

## **FOREST HILLS CENTRAL HIGH SCHOOL**

5901 Hall Street SE  
Grand Rapids, Michigan 49546  
Telephone (616) 493-8700

Mrs. Kathy Vruggink Westdorp, Principal  
Mrs. Nancy Flink, Assistant Principal  
Mr. Jon Gregory, Assistant Principal  
Mr. Robert Stefanowski, Athletic Director

Forest Hills Public Schools  
Dr. J. Michael Washburn, Superintendent  
6590 Cascade Road, SE  
Grand Rapids, Michigan 49546  
Telephone (616) 493-8800

### **FOREST HILLS PUBLIC SCHOOLS MISSION STATEMENT**

In partnership with our community,  
Forest Hills Public Schools will provide all learners with opportunities  
to acquire the knowledge, skills and experiences necessary  
to build meaningful and productive lives.

### **FOREST HILLS CENTRAL HIGH SCHOOL MISSION STATEMENT**

The Forest Hills Central High community  
is committed to providing opportunities empowering students  
to become well-rounded, independent, lifelong learners  
prepared to meet the challenges of an ever-changing world.

### **FOREST HILLS PUBLIC SCHOOLS VISION STATEMENT**

Forest Hills Public Schools...  
all learners achieving individual potential

# GUIDING PRINCIPLES FOR FOREST HILLS PUBLIC SCHOOLS

We believe Forest Hills Public Schools is a learning organization, built upon integrity, and to this end:

## **Caring**

We are committed to the principle of Caring.

We believe in:

- maintaining a family atmosphere
- supporting each other
- being warm, sincere and genuine
- accepting and including everyone
- confronting the tough issues
- keeping each other safe and secure

## **Collaboration**

We are committed to the principle of Collaboration.

We believe in:

- solving problems together
- working toward win/win
- building partnerships
- sharing best practices
- volunteering
- being generous
- engaging parents as full partners

## **Open Communication**

We are committed to the principle of Open Communication.

We believe in:

- listening
- sharing
- promoting trust
- building community through dialogue
- encouraging participation from all

## **Diversity and Inclusiveness**

We are committed to the principle of Diversity and Inclusiveness.

We believe in:

- helping students value their unique talents and gifts
- knowing, understanding and appreciating each other
- valuing individual differences
- celebrating our heritage
- healing racism
- embracing differences to enrich, strengthen, and connect our community
- striving for equity
- considering all viewpoints to arrive at better decisions

## **High Expectations**

We are committed to the principle of High Expectations.

We believe in:

- expecting all children to learn
- requiring all to give their best
- providing opportunities for all to contribute
- assuming parents want what's best for their child
- maintaining high academic standards
- offering challenging opportunities
- helping students make healthy choices
- contributing to the development of good character

## **Learning**

We are committed to the principle of Learning.

We believe in:

- learning for its own sake
- offering a range of educational opportunities
- providing diverse experiences
- individualizing learning programs
- accommodating multiple intelligences and learning styles
- preparing students for lifelong learning
- providing quality resources
- accessing the world beyond our classrooms

## **Respect**

We are committed to the principle of Respect.

We believe in:

- fostering high regard for self and others
- modeling civility
- appreciating differences
- adhering to our code of conduct
- having zero tolerance for inappropriate behaviors

## **Trust**

We are committed to the principle of Trust.

We believe in:

- being honest
- being consistent
- being loyal
- assuming others' intentions are good
- keeping promises
- demonstrating good stewardship

# TABLE OF CONTENTS

| TOPIC  | PAGE |
|--|------|
| Guidance and Counseling  | 4    |
| Registration Process   | 4    |
| Guide to Program Selection                                       | 4    |
| Curriculum Guide   | 4    |
| Affective Education  | 4    |
| Schedule Changes   | 5    |
| Grade Policy for Repeated Courses                                | 5    |
| Testing Out  | 5    |
| Courses Taken Outside Forest Hills Public Schools                | 5    |
| MEAP Endorsement   | 5    |
| Accreditation  | 5    |
| Graduation Requirements  | 6    |
| College Preparatory Curriculum                                   | 7    |
| NCAA Eligibility Requirements                                    | 8    |
| Flexible Scheduling  | 10   |
| First Hour Course Offerings                                      | 11   |
| New Course Offerings   | 12   |
| Advanced Placement and Honors Course Offerings                   | 13   |
| The ACT World-of-Work Map  | 14   |
| Pathways to Careers  | 15   |
| Art Department   | 27   |
| Business Department  | 30   |
| Co-op and Work Experience  | 33   |
| Communications Department  | 39   |
| Engineering, Manufacturing, and Industrial Technology Department | 42   |
| Foreign Language Department                                      | 45   |
| Language Arts Department   | 49   |
| Mathematics Department   | 54   |
| Music Department   | 59   |
| Physical Education Department                                    | 62   |
| Science Department   | 64   |
| Social Studies Department  | 68   |
| Special Education Department                                     | 73   |
| Special Opportunities  | 76   |
| Kent Career/Technical Center                                     | 81   |
| Clubs/Co-Curricular and Athletic Activities                      | 83   |
| Index by Department  | 84   |

## GUIDANCE AND COUNSELING SERVICES

Students are encouraged to visit the Guidance Center for personal, social and academic counseling, educational program planning, test interpretation, and information about post-secondary education, financial aid and careers. Many booklets, pamphlets and catalogs are available and may be checked out. Students are free to browse in the career center or to make an appointment with one of the counselors.

### REGISTRATION PROCESS

Counselors will meet with all students individually or in small groups to help them with course selections. **Students should consult with their present math and science teachers to ensure appropriate course selections in those areas.** Students should also discuss course selections with their parents.

The initial choices turned in by students are very important because they determine which courses and the number of sections of each course to be offered. If courses are not scheduled because of low demand, students who requested them will be scheduled into their alternate choices or will be asked to make another selection. Development of the master schedule will precede computer scheduling of student course requests.

### GUIDE TO PROGRAM SELECTION

We encourage all high school students to develop a four-year academic career plan helping them become life long learners. This plan should lead to advanced study at a four-year college or university, community college, technical institution, military program, or direct entry into the world of work. Together with school, home, and community it is our responsibility to provide appropriate counseling assisting students in making decisions about college and career opportunities.

Forest Hills Public Schools has a K-12 career education program. Industry partnerships, career awareness activities, and learning style activities are incorporated into the elementary program. Middle school continues with career awareness activities and interest inventories. A well-developed mentorship program is a part of every 8<sup>th</sup> grade student's curriculum. Our high school program continues with aptitude testing, career interest inventories, volunteer and mentorship opportunities, career speakers, research projects, and career awareness activities incorporated into daily lesson plans. The high

school curriculum expands career related knowledge through a variety of courses related to career pathways. These pathways, along with related high school coursework, are listed on pages 7-18.

Students meet with their guidance counselors individually in 9<sup>th</sup> and 11<sup>th</sup> grade to develop their academic plans and review their academic experiences. Guidance counselors, teachers, administrators, and support staff are available to assist students and parents as they explore options and make academic and career decisions.

### CURRICULUM GUIDE

Over 130 course offerings are available in twelve departments. In addition, other special opportunity courses are offered for students to earn credits toward graduation. The school operates on a two-semester plan. Most classes meet five days per week for 57 minutes.

### AFFECTIVE EDUCATION

Courses having affective content teach practices and subject matter which focus on educational objectives related to believing, valuing, intuitive thinking, self-awareness and social awareness. The following courses have been identified as including affective content:

- Advanced Psychology
- Advanced Placement Environmental Science
- Child Psychology
- Communication
- Creative Writing
- Current Issues
- Film Study and Projects
- Goodwillie Seminar
- Health
- Interpersonal Relationships
- Introduction to Philosophy
- Political Geography/Inquiry
- Psychology
- Sociology

## **SCHEDULE CHANGES**

After the scheduling process is completed, schedule changes will be permitted only for legitimate educational reasons, upon approval of the student's counselor. Students requesting a change are to complete the appropriate form in the Guidance Center, and counselors will assist students in changing schedules when a change is necessary. Any course officially dropped before the 20<sup>th</sup> day of classes will be dropped without record. Courses dropped after 20 school days will be recorded with a final grade of "E" on the permanent record.

## **GRADE POLICY FOR REPEATED COURSES**

To encourage a student to repeat a course in which he/she has not demonstrated a satisfactory level of achievement, the following policy will apply for courses repeated at a Forest Hills school, including Summer Academy:

If a student repeats a course in which his/her semester grade is C- or lower, only the higher grade will be included in the grade point average (GPA), although the original grade for the course will remain on the transcript. A student will receive credit only once for each semester passed.

## **TESTING OUT (Credit by Examination)**

Michigan school law permits students to meet course requirements by testing out of certain courses. The purpose of the testing out policy is to give students the opportunity to demonstrate mastery of course material without taking the course, in order to use their time in high school most effectively. Students interested in discussing the advisability of testing out should contact their high school counselor. Testing dates and application deadlines will be announced.

## **COURSES TAKEN OUTSIDE FOREST HILLS PUBLIC SCHOOLS**

When transfer students enter Forest Hills Central from another high school, prior coursework will generally be given credit equivalent to that originally granted. Prior grades will be converted to the Forest Hills Central grading system, and both the original transcript and the Forest Hills Central transcript will be part of the student's permanent record. Because there is significant variation among credit systems, grading systems, and graduation requirements, adjustments will often be necessary.

Courses taken through correspondence or distance learning may be allowed for credit, provided such arrangements have been approved **in advance of enrollment in such courses** by the student's counselor and the principal. A limited number of such credits may be approved.

## **MEAP ENDORSEMENT**

Students may earn state endorsements by passing the Michigan High School MEAP Test in mathematics, science, reading, writing, and social studies with a score of 1, 2, or 3 on each test. Students are eligible for the Michigan Educational Assessment Program Scholarship worth \$2500 for in-state colleges and universities and up to \$1000 for out-of-state colleges and universities when they take the test during the spring semester of their junior year. Students must pass the reading, writing, mathematics, and science tests with a score of 1 or 2 to receive this scholarship. Students have the opportunity to re-test in any subject where they did not earn the desired score. Specific information is distributed to students when they receive their MEAP scores.

## **ACCREDITATION**

Forest Hills Central High School is accredited by the North Central Association of Colleges and Schools. The school is an institutional member of the College Board and the National Association for College Admission Counseling and subscribes to the NACAC Statement of Principles of Good Practice.

## GRADUATION REQUIREMENTS

Requirements for graduation from Forest Hills Public Schools are established to ensure that students gain a broad and diverse background of knowledge and skills to enable them to choose and pursue future goals. The purposes of requirements for graduation are:

1. To lay out courses in which students will have the opportunity to gain a common background of knowledge while learning and practicing specific academic skills;
2. To provide an opportunity for each student to plan, pursue and complete an elective program geared to individual needs, interests and goals;
3. To assist students to develop appropriate thinking, communication and problem solving skills.

All students must successfully complete four years of high school attendance and receive 22.5 credits to graduate. Required courses are classified by core requirements in four major categories.

1. Language Arts and Communication (3 credits English and ½ credit communication required)
2. Computation/Mathematics (2 credits required)
3. Science (2 credits required)
4. Social Studies (½ credit Economics and Civics, 1 credit U.S. History, ½ credit Government and ½ credit World Studies required)

Also required are 1½ credits in Physical Education and Health, 1 credit from the Humanities cluster and 1 credit from the Applied Science and Technology cluster. A diversified choice of courses comprises each cluster which allows for flexibility and individual interests. A total of 9 elective credits complete the credits required for graduation.

Courses offered in the following departments fulfill the **Humanities Cluster**:

Art  
Foreign Language  
Music  
Additional courses: Theatre International Relations Seminar  
Advanced Theatre World History  
Certain KC/TC courses Introduction to Philosophy  
Topics in Philosophy

Courses offered in the following department fulfill the **Applied Science and Technology Cluster**:

All courses in the *Business* Department  
All courses in the *Engineering, Manufacturing and Industrial Technology* Department  
Additional Courses: TV Broadcast Lab Human Anatomy & Physiology  
Yearbook Journalism Advanced Placement Chemistry  
Journalism I Advanced Placement Biology  
Advanced Journalism Cooperative Education (Co-op)  
Chem Com Certain KC/TC courses  
Chemistry Work Experience  
Physics Goodwillie and AP Environmental  
Environmental Science Science

## COLLEGE PREPARATORY CURRICULUM

College preparatory students should consult catalogs or on-line information from the colleges to which they intend to apply. Many of these resources are available in our career resource center. This is especially recommended with regard to out-of-state colleges as their admission requirements may differ from those of Michigan colleges. While some colleges are more flexible, others are quite specific as to the subjects they require a student to take in high school.

**The public universities in Michigan have agreed that students must meet the following requirements in order to be eligible for regular admission to four-year degree programs. Students who are unable to complete these requirements may still be considered for admission, and they are encouraged to apply to the university of their choice.**

### REQUIREMENTS

|                                 |   |
|---------------------------------|---|
| English                         | - 4 years required  |
| Mathematics                     | - 3 years required; 4 strongly recommended  |
| Biological and Physical Science | - 2 years required, including 1 year of biological science and 1 year of physical science; 3 years strongly recommended |
| History and the Social Sciences | - 3 years required; 1 year of world history and 1 year of American history strongly recommended                         |

### RECOMMENDATIONS

|                          |  |
|--------------------------|--|
| Foreign Language         | - 3 years strongly recommended                       |
| Computer Literacy        | - 1 year of hands-on experience strongly recommended |
| Fine and Performing Arts | - 2 years strongly recommended                       |

## NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA) ELIGIBILITY REQUIREMENTS

Students who wish to play NCAA Division I or II intercollegiate athletics must be certified by the NCAA Clearinghouse. To be certified, you must:

1. Graduate from high school. You should apply for certification before graduation if you are sure you wish to participate in athletics as a freshman at the college to which you will be admitted. The Clearinghouse will issue a preliminary certification report when you have had all your materials submitted. After you graduate, the Clearinghouse will review your final transcript to make a final certification decision according to NCAA standards. Information will be available from the Guidance Office in the fall.
2. Earn a grade point average of at least 2.00 (on a 4.00 scale) in a core curriculum of at least 13 academic courses which were successfully completed during grades 9 through 12. Only courses that satisfy the NCAA definition of a core course can be used to calculate your NCAA GPA. No special values are allowed for “+” or “-” grades. The chart below shows what your core courses must include at a minimum.

### Core Units Required for NCAA Certification

|  | Division I  | Division II |
|--|-------------|-------------|
| English Core   | 4 years     | 3 years     |
| Math Core*   | 2 years*    | 2 years     |
| Science Core   | 2 years     | 2 years     |
| Social Science Core  | 2 years     | 2 years     |
| From English, Math or Science  | 1 year      | 2 years     |
| <br>Additional Core (English, Math, Science, Social Science, Foreign Language, Computer Science, Philosophy, Non-doctrinal Religion) | <br>2 years | <br>2 years |
| <b>TOTAL CORE UNITS REQUIRED</b>   | <b>13</b>   | <b>13</b>   |

\*IMPORTANT NOTE: Division I certification requires 2 years of math, including at least 1 year of algebra and 1 year of geometry (or a course for which geometry is a prerequisite).

3. Earn a sum of scores of at least 68 on the ACT or a combined score of at least 820 on the recentered SAT (or 700 on the non-recentered SAT) on a national test date.

For Division I: The minimum grade point average in the 13 core courses and required ACT or SAT score vary according to the Initial Eligibility Index below.

| Core GPA  | ACT Sum | RC SAT  | SAT |
|-----------|---------|---------|-----|
| above 2.5 | 68      | 820     | 700 |
| 2.500     | 68      | 820     | 700 |
| 2.475     | 69      | 830     | 710 |
| 2.450     | 70      | 840-850 | 720 |
| 2.425     | 70      | 860     | 730 |
| 2.400     | 71      | 860     | 740 |
| 2.375     | 72      | 870     | 750 |
| 2.350     | 73      | 880     | 760 |
| 2.325     | 74      | 890     | 770 |
| 2.300     | 75      | 900     | 780 |
| 2.275     | 76      | 910     | 790 |

| Core GPA | ACT Sum | RC SAT | SAT |
|----------|---------|--------|-----|
| 2.250    | 77      | 920    | 800 |
| 2.225    | 78      | 930    | 810 |
| 2.200    | 79      | 940    | 820 |
| 2.175    | 80      | 950    | 830 |
| 2.150    | 80      | 960    | 840 |
| 2.125    | 81      | 960    | 850 |
| 2.100    | 82      | 970    | 860 |
| 2.075    | 83      | 980    | 870 |
| 2.050    | 84      | 990    | 880 |
| 2.025    | 85      | 1000   | 890 |
| 2.000    | 86      | 1010   | 900 |



## FOREST HILLS CENTRAL HIGH SCHOOL NCAA APPROVED CORE COURSES

The following Forest Hills Central High School courses were determined by the NCAA to be approved core courses for the 2001-2002 school year. Courses to be approved for the 2001-2002 school year will be determined this summer.

### ENGLISH

\*Applied English 9  
\*Applied English 10  
\*Applied English 11  
English 9  
English 9 Honors  
English 10  
English 10 Honors  
English 11  
English 11 Honors  
College Reading  
Reading Comp and Writing  
Creative Writing  
Senior Composition  
Shakespeare  
World Literature I  
World Literature II  
English AP  
Basic Debate  
Communications  
Film Study and Projects  
Forensics/Public Speaking  
Strategic Debate  
Telecommunications I

### MATHEMATICS

Algebra  
Algebra III +  
Algebra, Advanced  
Calculus AP  
Functions/Statistics/Trigonometry  
Geometry  
High School Algebra  
Pre-algebra I & II (.5 units/year)  
Pre-calculus and Discrete Math  
Statistics AP

### SOCIAL SCIENCE

Child Psychology  
Economics  
Civics & Economics

### SOCIAL SCIENCE CONTINUED

Current Events  
Government  
Government AP  
International Relations Seminar  
Macroeconomics  
Political Geography  
Psychology  
Psychology, Advanced  
Sociology  
US History  
US History AP  
US Judicial Law  
World History  
World Studies

### NATURAL/PHYSICAL SCIENCE

Biology  
Biology AP  
Biology B  
Chem Com  
Chemistry  
Chemistry AP  
Environmental Science AP  
Environmental Seminar  
Human Anatomy  
Introductory Science  
Introductory Science Accelerated  
Physics

### ADDITIONAL CORE COURSES

Administrating MS Windows  
Computer Programming AP  
Computer Science Programming  
French I, II, III, IV, V AP  
Japanese I, II, III  
Latin I, II, III, IV AP  
Spanish I, II, III, IV, V AP  
Introduction to Philosophy  
Topics in Philosophy

\* Only for students who have received NCAA approval for diagnosed learning disability.

## FLEXIBLE SCHEDULING

The daily schedule for the **2002-2003** school day is printed below. The normal school day will begin with second hour and end with 7<sup>th</sup> hour. However, students may have the option to choose from classes scheduled specifically for the early morning, 1<sup>st</sup> hour. The principal must approve of any student's schedule which includes a total of 7 hours. **There will be no transportation provided by the district for a first hour course.**

|                      |  |
|----------------------|--|
| 1 <sup>st</sup> Hour | 7:00 - 7:50                                |
|                      |  |
| 2 <sup>nd</sup> Hour | 7:55 - 8:57 (includes communication break) |
| 3 <sup>rd</sup> Hour | 9:03 - 10:01                               |
| 4 <sup>th</sup> Hour | 10:07 - 11:05                              |
| 5 <sup>th</sup> Hour | 11:11 - 12:40                              |
| Lunch A:             | 11:11 - 11:36                              |
| Lunch A Class:       | 11:42 - 12:40                              |
| Lunch B:             | 11:42 - 12:07                              |
| Lunch B Class:       | 11:11 - 11:42 & 12:13 - 12:40              |
| Lunch C:             | 12:15 - 12:40                              |
| Lunch C Class:       | 11:11 - 12:09                              |
| 6 <sup>th</sup> Hour | 12:46 - 1:44                               |
| 7 <sup>th</sup> Hour | 1:50 - 2:48                                |

The classes offered during the 1<sup>st</sup> hour time period are listed on page 11. Note that the course numbers for these courses are different than those used for the regular school day. For example, Advanced Algebra, offered during hours 2 - 7 has B201 as the course number while Advanced Algebra offered during 1<sup>st</sup> hour has a course number of B2011. Crafts, Sculpture & Ceramics, TV Broadcasting Lab, Jazz Ensemble III, Percussion Ensemble, Literature & Structure of Music AP, and Advanced Physical Education will be offered **only** during 1<sup>st</sup> hour, therefore having only one course number for each of those courses. If you are interested in taking one of these optional hour courses, please use the course number printed on page 11. The description of these courses is printed on the page number listed.

If you have requested a first hour, another course from your request list that is also offered first hour may be substituted in order to balance classes. In scheduling first hour courses, priority will be given to students requesting a total of 7 hours over those requesting a 1<sup>st</sup> hour and leaving school at the end of 6<sup>th</sup> hour.

The Michigan State Law states that all school districts **MUST** provide each pupil with a minimum of 180 days of instruction for the 2002-2003 school year along with the required number of 1098 pupil instructional hours. Consequently, all students are expected to be enrolled in at least six periods each semester.

## FIRST HOUR COURSE OFFERINGS

The principal must approve of any student's schedule that includes a total of 7 hours. **There will be no transportation provided by the district for a first hour course.**

|   |                                    |   | PAGE |
|---|------------------------------------|---|------|
| <b>ART DEPARTMENT</b>   |                                    |   |      |
| L1101   | Introduction to Art                | 1 <sup>st</sup> hour daily                              | 27   |
| L111  | Crafts                             | 1 <sup>st</sup> & 2 <sup>nd</sup> hour for 9 weeks only | 28   |
| L113  | Sculpture & Ceramics               | 1 <sup>st</sup> & 2 <sup>nd</sup> hour for 9 weeks only | 28   |
| L1141   | Photo & Graphic Design             | 1 <sup>st</sup> & 2 <sup>nd</sup> hour for 9 weeks      | 28   |
| <br>  |                                    |   |      |
| <b>COMMUNICATIONS DEPARTMENT</b>  |                                    |   |      |
| H350  | TV Broadcast Lab                   | 1 <sup>st</sup> hour/evening hour split only            | 41   |
| <br>  |                                    |   |      |
| <b>ENGINEERING, MANUFACTURING, AND INDUSTRIAL TECHNOLOGY DEPARTMENT</b> |                                    |   |      |
| I2201, 3201, 4201   | Woodworking Technology I, II, III  | 1 <sup>st</sup> hour daily                              | 42   |
| <br>  |                                    |   |      |
| <b>FOREIGN LANGUAGE DEPARTMENT</b>                                      |                                    |   |      |
| F2211   | Spanish II                         | 1 <sup>st</sup> hour daily                              | 47   |
| <br>  |                                    |   |      |
| <b>LANGUAGE ARTS DEPARTMENT</b>   |                                    |   |      |
| A2011   | English 10                         | 1 <sup>st</sup> hour daily                              | 50   |
| A3011   | English 11                         | 1 <sup>st</sup> hour daily                              | 51   |
| <br>  |                                    |   |      |
| <b>MATHEMATICS DEPARTMENT</b>   |                                    |   |      |
| B2011   | Advanced Algebra                   | 1 <sup>st</sup> hour daily                              | 55   |
| B3021   | FST                                | 1 <sup>st</sup> hour daily                              | 55   |
| <br>  |                                    |   |      |
| <b>MUSIC DEPARTMENT</b>   |                                    |   |      |
| J222  | Jazz Ensemble III                  | 1 <sup>st</sup> hour daily only                         | 61   |
| J430  | Percussion Ensemble II/Steel Band  | 1 <sup>st</sup> hour daily only                         | 61   |
| J550  | Literature & Structure of Music AP | 1 <sup>st</sup> hour daily only                         | 61   |
| <br>  |                                    |   |      |
| <b>PHYSICAL EDUCATION DEPARTMENT</b>                                    |                                    |   |      |
| D3011   | Aerobics                           | 1 <sup>st</sup> hour daily                              | 62   |
| D304  | Advanced Physical Education        | 1 <sup>st</sup> hour only                               | 63   |
| <br>  |                                    |   |      |
| <b>SCIENCE DEPARTMENT</b>   |                                    |   |      |
| C2021   | Biology                            | 1 <sup>st</sup> hour daily                              | 65   |
| C3011   | Chemistry                          | 1 <sup>st</sup> hour daily                              | 66   |

## NEW COURSE OFFERINGS

The following are new course offerings for the 2002-2003 school year:

|   |   | <b>PAGE</b> |
|---|---|-------------|
| Engineering, Manufacturing, and<br>Industrial Technology Department | Bench Woodworking   | 42          |
|   | Power Mechanics   | 42          |
|   | Architectural Rendering and Design                        | 43          |
| Foreign Language Department   | Japanese IV   | 45          |
| Mathematics Department:   | FST/PDM   | 55          |
| Music Department  | Vocal Jazz Ensemble                                       | 61          |
| Social Studies Department:  | Advanced Placement Comparative<br>Government and Politics | 72          |
| Special Education Department  | Writing Strategies  | 74          |
|   | Reading Comprehension Strategies                          | 74          |

## ADVANCED PLACEMENT COURSE OFFERINGS

A weighted grading system is in effect for Advanced Placement courses to recognize the added rigor of these courses and provide incentive for students to undertake challenging courses.

Students who have taken Advanced Placement courses will have 0.021 added to the **cumulative grade point average** for each semester of each course. Class rank will be based on this weighted GPA. At the end of each semester, when final grades are reported, the adjustment will be made to the GPA.

Listed below are the Advanced Placement courses offered for the 2002-2003 school year.

Advanced Placement Studio Art  
Advanced Placement Computer Science  
Advanced Placement French V  
Advanced Placement Spanish V  
Advanced Placement Latin IV  
Advanced Placement English  
Advanced Placement Statistics  
Advanced Placement Calculus B/C  
Advanced Placement Literature & Structure of Music  
Advanced Placement Biology  
Advanced Placement Chemistry  
Advanced Placement Environmental Science  
Advanced Placement United States History  
Advanced Placement United States Government and Politics  
Advanced Placement Comparative Government and Politics

## HONORS ENGLISH COURSE OFFERINGS

(Please note that grades for Honors English are not weighted.)

Honors English 9

Honors English 10

Honors English 11

## THE ACT WORLD-OF-WORK MAP

- ❖ The World-Of-Work Map arranges career areas (groups of similar jobs) into 12 regions. Together, the career families cover nearly all U.S. jobs. Although the jobs in a family differ in their locations, most are located near the point shown.
- ❖ A Career Area's location is based on its primary work tasks, working with DATA, IDEAS, PEOPLE, AND THINGS.
- ❖ Students who have taken the PLAN or ACT can use the ACT World-Of-Work Map to relate to Career Pathways on pages 15-26.

### CAREER WEBSITES

[www.talentfreeway.org](http://www.talentfreeway.org)  
[www.acinet.org/acinet](http://www.acinet.org/acinet)  
[www.careerexplorer.net](http://www.careerexplorer.net)

[www.ajb.dni.us](http://www.ajb.dni.us) (America's Job Bank)  
[www.careermag.com](http://www.careermag.com) (Career magazine)  
[www.jobprofiles.com](http://www.jobprofiles.com) (good job profiles for Pathways)  
[www.nap.edu/readinngroom/books/careers](http://www.nap.edu/readinngroom/books/careers) (Careers in Science)

## ARTS AND COMMUNICATION CAREER PATHWAY

Do you . . . .

- Like to write, speak, sing, draw, or perform?
- Want an exciting career in television, radio, movies, music, or art?
- Like to promote concerts and sporting events?
- Want to write for a newspaper?
- Like to design clothing, costumes, buildings, or interiors?

The **Arts and Communication Career Pathway** includes careers related to humanities, and the performing, visual, literary, and media arts. Sample careers include artists, journalists, and graphic designers. These careers are interesting to people who value creativity.

ARTS AND COMMUNICATION PATHWAY CURRICULUM OPTIONS (courses in *italics* are required for graduation):

| <b>GRADE 9</b>            |               |
|---------------------------|---------------|
| <u>COURSE</u>             | <u>CREDIT</u> |
| <i>English</i>            | 1.00          |
| <i>Mathematics</i>        | 1.00          |
| <i>Science</i>            | 1.00          |
| <i>Physical Education</i> | .50           |
| <i>Economics/Civics</i>   | .50           |
| Electives                 | 2.00          |

| <b>GRADE 10</b>     |               |
|---------------------|---------------|
| <u>COURSE</u>       | <u>CREDIT</u> |
| <i>English</i>      | 1.00          |
| <i>Mathematics</i>  | 1.00          |
| <i>Science</i>      | 1.00          |
| <i>U.S. History</i> | 1.00          |
| Electives           | 2.00          |

| <b>GRADE 11</b>      |               |
|----------------------|---------------|
| <u>COURSE</u>        | <u>CREDIT</u> |
| <i>English</i>       | 1.00          |
| <i>Mathematics</i>   | 1.00          |
| <i>Science</i>       | 1.00          |
| <i>Government</i>    | .50           |
| <i>World Studies</i> | .50           |
| Electives            | 2.00          |

| <b>GRADE 12</b> |               |
|-----------------|---------------|
| <u>COURSE</u>   | <u>CREDIT</u> |
| English         | 1.00          |
| Social Studies  | .50           |
| Electives       | 4.50          |

| <b>ADDITIONAL REQUIREMENTS</b> |               |
|--------------------------------|---------------|
| <u>REQUIREMENT</u>             | <u>CREDIT</u> |
| <i>Physical Education</i>      | .50           |
| <i>Communications</i>          | .50           |
| <i>Health</i>                  | .50           |
| <i>Humanities</i>              | 1.00          |
| <i>Applied Science/Tech</i>    | 1.00          |

**Arts and Communication Pathway Recommended Electives:**

- Art Survey
- Introduction to Art
- Crafts
- Drawing/Painting
- Sculpture/Ceramics
- Photo/Graphic Design I, II, III
- AP Studio Art
- Computer Literacy
- Personal Computing
- Computer Information Systems I, II
- Communications
- Forensics
- Basic Debate
- Strategic Debate
- Telecommunications
- Theatre
- Adv Theatre
- TV Broadcast Lab
- Film Study and Projects
- Foreign Languages
- Shakespeare
- Senior Composition
- Creative Writing
- Yearbook Journalism
- Journalism I
- Adv Journalism
- Math Mentor
- Concert Band
- Symphonic Band
- Wind Ensemble
- Concert Orchestra
- Symphonic Orchestra
- Concert Choir
- Central Singers
- Women's Chorus
- Chamber Singers
- Jazz Ensemble I, II, III
- Percussion Ensemble/ Steel Band
- AP Literature and Structure of Music
- Aerobic Fitness
- Yoga I, II
- Political Geography/Inquiry
- Current Events
- Interpersonal Relationships
- Psychology
- Child Psychology
- Adv Psychology
- Sociology
- Introduction to Philosophy
- US Judicial Law
- International Relations Seminar
- Office/Teacher/ Media/Tech Aide
- LINK Experience
- PreTeaching
- Dual Enrollment
- Just In Time
- Mentorship/Internship
- KCTC Graphic Communication Cluster
- KCTC Regional Theatre Technology
- Co-op/Work Experience

**Opportunities Outside the Central High Classroom:**

- Blue Lake Fine Arts Camp
- Boys' and Girls' State
- CHS Diversity Club
- CHS Job Shadow
- CHS Multi-Cultural Youth Ambassadors
- CHS National Honor Society
- CHS Odyssey of the Mind
- CHS PALS
- CHS SADD
- CHS School musical and drama
- CHS Student Council
- CHS Volunteer Program
- Grand Rapids Amateur Radio Association
- Grand Rapids Ballet
- Grand Rapids Festival
- Grand Rapids Youth Symphony
- GRTV Intern
- Interlochen
- Kendall's continuing studies
- Local theater groups
- St. Cecilia
- Summer college experiences
- Summer Institute
- Up With People



## BUSINESS AND MANAGEMENT CAREER PATHWAY

Do you . . . . .

- Like working with people?
- Feel good when you get your assignments done on time or early?
- Enjoy working with numbers or words?
- Like the idea of being your own boss?
- Enjoy being a leader in group activities?
- Like the possibility of working a non-traditional day?

The **Business and Management Career Pathway** includes careers related to all aspects of business including accounting, business administration, finance, information processing, and marketing. Examples of careers in this pathway include accountants, business managers, and auto salesperson. You may be interested in this career if you are good in math, and enjoy being the leader of a club or captain of a team.

BUSINESS AND MANAGEMENT PATHWAY CURRICULUM OPTIONS: (courses in *italics* are required for graduation):

| <b>GRADE 9</b>            |               |
|---------------------------|---------------|
| <u>COURSE</u>             | <u>CREDIT</u> |
| <i>English</i>            | 1.00          |
| <i>Mathematics</i>        | 1.00          |
| <i>Science</i>            | 1.00          |
| <i>Physical Education</i> | .50           |
| <i>Economics/Civics</i>   | .50           |
| Electives                 | 2.00          |

| <b>GRADE 10</b>     |               |
|---------------------|---------------|
| <u>COURSE</u>       | <u>CREDIT</u> |
| <i>English</i>      | 1.00          |
| <i>Mathematics</i>  | 1.00          |
| <i>Science</i>      | 1.00          |
| <i>U.S. History</i> | 1.00          |
| Electives           | 2.00          |

| <b>GRADE 11</b>      |               |
|----------------------|---------------|
| <u>COURSE</u>        | <u>CREDIT</u> |
| <i>English</i>       | 1.00          |
| <i>Mathematics</i>   | 1.00          |
| <i>Science</i>       | 1.00          |
| <i>Government</i>    | .50           |
| <i>World Studies</i> | .50           |
| Electives            | 2.00          |

| <b>GRADE 12</b>       |               |
|-----------------------|---------------|
| <u>COURSE</u>         | <u>CREDIT</u> |
| <i>English</i>        | 1.00          |
| <i>Social Studies</i> | .50           |
| Electives             | 4.50          |

| <b>ADDITIONAL REQUIREMENTS</b> |               |
|--------------------------------|---------------|
| <u>REQUIREMENT</u>             | <u>CREDIT</u> |
| <i>Physical Education</i>      | .50           |
| <i>Communications</i>          | .50           |
| <i>Health</i>                  | .50           |
| <i>Humanities</i>              | 1.00          |
| <i>Applied Science/Tech</i>    | 1.00          |

**Business and Management Pathway Recommended Electives:**

- Introduction to Business
- Business Communications
- Computerized Accounting I, II
- Business Law
- Personal Finance
- Introduction to Marketing
- Entrepreneurial Marketing
- Marketing Management
- Computer Literacy
- Personal Computing
- Computer Information Systems I, II, III
- Computer Science Programming
- AP Computer Science Programming
- CISCO Networking
- MCP Networking
- Communications
- Telecommunications
- Yearbook Journalism
- Journalism I
- Adv Journalism
- Creative Writing
- Senior Composition
- Current Events
- Macroeconomics
- US Judicial Law
- Office/Teacher/ Media/Tech Aide
- Dual Enrollment
- Just In Time
- Mentorship/Internship
- KCTC Business Services Technology Cluster
- Co-op/Work Experience

**Opportunities Outside the Central High Classroom:**

- Boy Scouts and Girl Scouts
- CHS Athletics
- CHS DECA
- CHS Diversity Club
- CHS Job Shadow
- CHS Multicultural Youth Ambassadors
- CHS National Honor Society
- CHS Odyssey of the Mind
- CHS PALS
- CHS SADD
- CHS Science Olympiad
- CHS Student Council
- CHS Student Government
- CHS Volunteer Program
- Coaching or officiating youth sports
- Junior Achievement
- Summer college experiences
- Summer Institute
- Teen Leaders Coalition of Michigan

## ENGINEERING/MANUFACTURING AND INDUSTRIAL TECHNOLOGY CAREER PATHWAY

Do you . . . . .

- Like working with your hands?
- See differences in size, form, shape, and visualizing relationships?
- Like drawing, decorating, designing, and painting?
- Like working with computers, machines, tools, or repairing things and understanding how things work?
- Like solving math problems and understanding arithmetic reasoning?

The **Engineering/Manufacturing and Industrial Technology Career Pathway** includes careers related to technologies necessary to design, develop, install, or maintain physical systems. Working with tools, equipment and other kinds of machinery is important to people who have careers in this pathway. Sample careers include mechanics, airplane pilots, and engineers.

ENGINEERING/MANUFACTURING AND INDUSTRIAL TECHNOLOGY PATHWAY  
CURRICULUM OPTIONS: (courses in *italics* are required for graduation):

| <b>GRADE 9</b>            |               |
|---------------------------|---------------|
| <u>COURSE</u>             | <u>CREDIT</u> |
| <i>English</i>            | 1.00          |
| <i>Mathematics</i>        | 1.00          |
| <i>Science</i>            | 1.00          |
| <i>Physical Education</i> | .50           |
| <i>Economics/Civics</i>   | .50           |
| Electives                 | 2.00          |

| <b>GRADE 10</b>     |               |
|---------------------|---------------|
| <u>COURSE</u>       | <u>CREDIT</u> |
| <i>English</i>      | 1.00          |
| <i>Mathematics</i>  | 1.00          |
| <i>Science</i>      | 1.00          |
| <i>U.S. History</i> | 1.00          |
| Electives           | 2.00          |

| <b>GRADE 11</b>      |               |
|----------------------|---------------|
| <u>COURSE</u>        | <u>CREDIT</u> |
| <i>English</i>       | 1.00          |
| <i>Mathematics</i>   | 1.00          |
| <i>Science</i>       | 1.00          |
| <i>Government</i>    | .50           |
| <i>World Studies</i> | .50           |
| Electives            | 2.00          |

| <b>GRADE 12</b> |               |
|-----------------|---------------|
| <u>COURSE</u>   | <u>CREDIT</u> |
| English         | 1.00          |
| Mathematics     | 1.00          |
| Science         | 1.00          |
| Social Studies  | .50           |
| Electives       | 2.50          |

| <b>ADDITIONAL REQUIREMENTS</b> |               |
|--------------------------------|---------------|
| <u>REQUIREMENT</u>             | <u>CREDIT</u> |
| <i>Physical Education</i>      | .50           |
| <i>Communications</i>          | .50           |
| <i>Health</i>                  | .50           |
| <i>Humanities</i>              | 1.00          |
| <i>Applied Science/Tech</i>    | 1.00          |

**Engineering/Manufacturing and Industrial Technology Pathway Recommended Electives:**

- Photo/Graphic Design I, II, III
- Computer Information Systems I, II
- Communications
- Telecommunications
- Survey of Technical Design
- Bench Woodworking
- Power Mechanics
- Woodworking Technology I, II, III
- Architectural Rendering and Design
- Intro to Mechanical Drawing/CAD
- Technical Drawing I, II, III
- Senior Applied and Technical English
- Senior Composition
- Creative Writing
- Journalism I
- Adv Journalism
- All mathematics courses
- All science courses
- Current Events
- Technical Aide
- Dual Enrollment
- Just In Time
- Mentorship/Internship
- KCTC Construction Technology Cluster
- KCTC Electromechanical Cluster
- KCTC Geographic Information Systems
- KCTC Manufacturing Technology Cluster
- KCTC Transportation Technology Cluster
- Co-op/Work Experience

**Opportunities Outside the Central High Classroom:**

- CHS Athletics
- CHS Diversity Club
- CHS Job Shadow
- CHS Multicultural Youth Ambassadors
- CHS National Honor Society
- CHS Odyssey of the Mind
- CHS PALS
- CHS SADD
- CHS Science Olympiad
- CHS Space is Special
- CHS Student Council
- CHS Volunteer Program
- Coaching or officiating youth sports
- NASA Program
- Summer college experiences
- Summer Institute

## HEALTH SCIENCES CAREER PATHWAY

Are you interested in . . . . .

- How your body works?
- How to save people's lives?
- How to maintain a healthy lifestyle?
- Helping people prevent and treat disease?
- Reacting to emergency situations and making quick, lifesaving decisions?

The **Health Sciences Career Pathway** includes careers related to the promotion of health as well as the treatment of injuries and disease. Examples of careers in this pathway are physicians, nurses, and veterinarians.

HEALTH SCIENCES PATHWAY CURRICULUM OPTIONS: (courses in *italics* are required for graduation):

| <b>GRADE 9</b>            |               |
|---------------------------|---------------|
| <u>COURSE</u>             | <u>CREDIT</u> |
| <i>English</i>            | 1.00          |
| <i>Mathematics</i>        | 1.00          |
| <i>Science</i>            | 1.00          |
| <i>Physical Education</i> | .50           |
| <i>Economics/Civics</i>   | .50           |
| Foreign Language          | 1.00          |
| Electives                 | 1.00          |

| <b>GRADE 10</b>     |               |
|---------------------|---------------|
| <u>COURSE</u>       | <u>CREDIT</u> |
| <i>English</i>      | 1.00          |
| <i>Mathematics</i>  | 1.00          |
| <i>Science</i>      | 1.00          |
| <i>U.S. History</i> | 1.00          |
| Foreign Language    | 1.00          |
| Electives           | 1.00          |

| <b>GRADE 11</b>      |               |
|----------------------|---------------|
| <u>COURSE</u>        | <u>CREDIT</u> |
| <i>English</i>       | 1.00          |
| <i>Mathematics</i>   | 1.00          |
| <i>Science</i>       | 1.00          |
| <i>Government</i>    | .50           |
| <i>World Studies</i> | .50           |
| Foreign Language     | 1.00          |
| Electives            | 1.00          |

| <b>GRADE 12</b> |               |
|-----------------|---------------|
| <u>COURSE</u>   | <u>CREDIT</u> |
| English         | 1.00          |
| Mathematics     | 1.00          |
| Science         | 1.00          |
| Social Studies  | .50           |
| Electives       | 2.50          |

| <b>ADDITIONAL REQUIREMENTS</b> |               |
|--------------------------------|---------------|
| <u>REQUIREMENT</u>             | <u>CREDIT</u> |
| <i>Physical Education</i>      | .50           |
| <i>Communications</i>          | .50           |
| <i>Health</i>                  | .50           |
| <i>Humanities</i>              | 1.00          |
| <i>Applied Science/Tech</i>    | 1.00          |

**Health Sciences Pathway Recommended Electives:**

- Drawing and Painting
- Sculpture and Ceramics
- Computer Information Systems I, II
- Communication
- Telecommunication
- Foreign Languages
- Senior Composition
- Creative Writing
- All mathematics courses
- Health
- Introduction to Fitness 9
- Fitness Activities 9
- Aerobic Fitness
- Lifetime/Team Sports
- Strength and Conditioning
- Adv Physical Education
- Yoga I, II
- All science courses
- Current Events
- Interpersonal Relationships
- Psychology
- Child Psychology
- Adv Psychology
- PreTeaching Experience
- Dual Enrollment
- Just In Time
- Mentorship/Internship
- KCTC Health Careers Cluster
- Co-op/Work Experience

**Opportunities Outside the Central High Classroom:**

- Athletic team manager or statistician
- Athletic Training
- CHS Athletics
- CHS Club Sports
- CHS Diversity Club
- CHS Fall, Winter, and Spring Sports
- CHS Intramural Program
- CHS Job Shadow
- CHS Multicultural Youth Ambassadors
- CHS National Honor Society
- CHS Odyssey of the Mind
- CHS PALS
- CHS SADD
- CHS Science Olympiad
- CHS Ski Club
- CHS Student Council
- CHS Volunteer Program
- Coaching or officiating youth sports
- Special Olympics
- Summer college experiences
- Summer Institute

## HUMAN SERVICES CAREER PATHWAY

Are you . . . . .

- Interested in people?
- Concerned about your community?
- Willing to work as a member of a team?
- Committed to making a positive difference?
- Considerate and caring?
- A good communicator and listener?

The **Human Services Career Pathway** includes careers in child care, civil service, education, hospitality, and the social services. Careers in the pathway include counselors, teachers, and religious leaders (rabbi, priest, minister).

HUMAN SERVICES PATHWAY CURRICULUM OPTIONS: (courses in *italics* are required for graduation):

| <b>GRADE 9</b>            |               |
|---------------------------|---------------|
| <u>COURSE</u>             | <u>CREDIT</u> |
| <i>English</i>            | 1.00          |
| <i>Mathematics</i>        | 1.00          |
| <i>Science</i>            | 1.00          |
| <i>Physical Education</i> | .50           |
| <i>Economics/Civics</i>   | .50           |
| Foreign Language          | 1.00          |
| Electives                 | 1.00          |

| <b>GRADE 10</b>     |               |
|---------------------|---------------|
| <u>COURSE</u>       | <u>CREDIT</u> |
| <i>English</i>      | 1.00          |
| <i>Mathematics</i>  | 1.00          |
| <i>Science</i>      | 1.00          |
| <i>U.S. History</i> | 1.00          |
| Foreign Language    | 1.00          |
| Electives           | 1.00          |

| <b>GRADE 11</b>      |               |
|----------------------|---------------|
| <u>COURSE</u>        | <u>CREDIT</u> |
| <i>English</i>       | 1.00          |
| <i>Mathematics</i>   | 1.00          |
| <i>Science</i>       | 1.00          |
| <i>Government</i>    | .50           |
| <i>World Studies</i> | .50           |
| Foreign Language     | 1.00          |
| Electives            | 1.00          |

| <b>GRADE 12</b> |               |
|-----------------|---------------|
| <u>COURSE</u>   | <u>CREDIT</u> |
| English         | 1.00          |
| Social Studies  | .50           |
| Electives       | 4.50          |

| <b>ADDITIONAL REQUIREMENTS</b> |               |
|--------------------------------|---------------|
| <u>REQUIREMENT</u>             | <u>CREDIT</u> |
| <i>Physical Education</i>      | .50           |
| <i>Communications</i>          | .50           |
| <i>Health</i>                  | .50           |
| <i>Humanities</i>              | 1.00          |
| <i>Applied Science/Tech</i>    | 1.00          |

**Human Services Pathway Recommended Electives:**

- Art Survey
- Introduction to Art
- Crafts
- Drawing and Painting
- Sculpture and Ceramics
- Photo/Graphic Design I, II, III
- Personal Finance
- Computer Information Systems I, II
- Communications
- Telecommunication
- Basic/Strategic Debate
- Foreign Language
- Senior Composition
- Creative Writing
- Yearbook Journalism
- Journalism I
- Adv Journalism
- Math Mentor
- Music courses
- Physical Education courses
- Environmental Science
- Goodwillie Environmental Seminar
- AP Environmental Science
- World History
- Political Geography/Inquiry
- Current Events
- Interpersonal Relationships
- Psychology
- Child Psychology
- Adv Psychology
- Sociology
- Introduction to Philosophy
- Macroeconomics
- US Judicial Law
- International Relations Seminar
- Office/Teacher/ Media/Tech Aide
- LINK Experience
- PreTeaching
- Dual Enrollment
- Just In Time
- Mentorship/Internship
- KCTC Cosmetology Services Cluster
- KCTC Hospitality Cluster
- Co-op/Work Experience

**Opportunities Outside the Central High Classroom:**

- Big Brothers and Big Sisters
- Boy Scouts and Girl Scouts
- Boys' and Girls' State
- Camp counselor
- CHS Diversity Club
- CHS Job Shadow
- CHS Multicultural Youth Ambassadors
- CHS National Honor Society
- CHS Odyssey of the Mind
- CHS PALS
- CHS SADD
- CHS Science Olympiad
- CHS Student Council
- CHS Volunteer Program
- Church/Synagogue involvement
- Citizen Police Academy
- Coaching or officiating youth sports
- Exchange Student Programs
- Grand Rapids Area Service Project (GRASP)
- Grand Rapids Opportunities for Women (GROW)
- Neighborhood Associations
- Santa Claus Girls
- Space is Special
- Special Olympics
- Summer college experiences
- Summer Institute
- Teen Leaders Coalition of Michigan
- Up With People
- Young Democrats and Young Republicans



## NATURAL RESOURCES AND AGRISCIENCE CAREER PATHWAY

Are you interested in . . . . .

- Doing lab experiments and understanding scientific principles?
- Working outside a great deal of the time?
- Environmental issues?
- Reading and researching new scientific findings?

The **Natural Resources and Agriscience Career Pathway** includes careers related to natural resources, agriculture, and the environment. Fish and game wardens, marine biologists, and farmers are careers in this pathway.

NATURAL RESOURCES AND AGRISCIENCE PATHWAY CURRICULUM OPTIONS:  
(courses in *italics* are required for graduation):

| <b>GRADE 9</b>            |               |
|---------------------------|---------------|
| <u>COURSE</u>             | <u>CREDIT</u> |
| <i>English</i>            | 1.00          |
| <i>Mathematics</i>        | 1.00          |
| <i>Science</i>            | 1.00          |
| <i>Physical Education</i> | .50           |
| <i>Economics/Civics</i>   | .50           |
| Electives                 | 2.00          |

| <b>GRADE 10</b>     |               |
|---------------------|---------------|
| <u>COURSE</u>       | <u>CREDIT</u> |
| <i>English</i>      | 1.00          |
| <i>Mathematics</i>  | 1.00          |
| <i>Science</i>      | 1.00          |
| <i>U.S. History</i> | 1.00          |
| Electives           | 2.00          |

| <b>GRADE 11</b>      |               |
|----------------------|---------------|
| <u>COURSE</u>        | <u>CREDIT</u> |
| <i>English</i>       | 1.00          |
| <i>Mathematics</i>   | 1.00          |
| <i>Science</i>       | 1.00          |
| <i>Government</i>    | .50           |
| <i>World Studies</i> | .50           |
| Electives            | 2.00          |

| <b>GRADE 12</b> |               |
|-----------------|---------------|
| <u>COURSE</u>   | <u>CREDIT</u> |
| English         | 1.00          |
| Social Studies  | .50           |
| Electives       | 4.50          |

| <b>ADDITIONAL REQUIREMENTS</b> |               |
|--------------------------------|---------------|
| <u>REQUIREMENT</u>             | <u>CREDIT</u> |
| <i>Physical Education</i>      | .50           |
| <i>Communications</i>          | .50           |
| <i>Health</i>                  | .50           |
| <i>Humanities</i>              | 1.00          |
| <i>Applied Science/Tech</i>    | 1.00          |

**Natural Resources and Agriscience Pathway Recommended Electives:**

- Computer Information Systems I, II
- Communication
- Telecommunication
- Senior Applied and Technical English
- Senior Composition
- Creative Writing
- Journalism I
- Adv Journalism
- Chemistry
- Environmental Science
- Physics
- Human Anatomy and Physiology
- Goodwillie Environmental Seminar
- AP Biology
- AP Chemistry
- AP Environmental Science
- World History
- Political Geography/Inquiry
- Current Events
- Macroeconomics
- US Judicial Law
- International Relations Seminar
- Dual Enrollment
- Just In Time
- Mentorship/Internship
- KCTC Agriscience Cluster
- KCTC Geographic Information Systems
- Co-op/Work Experience

**Opportunities Outside the Central High Classroom:**

- Athletics
- CHS Diversity Club
- CHS Job Shadow
- CHS Multicultural Youth Ambassadors
- CHS National Honor Society
- CHS Odyssey of the Mind
- CHS PALS
- CHS SADD
- CHS Science Olympiad
- CHS Student Council
- CHS Volunteer Program
- Coaching or officiating youth sports
- Local environmental groups
- NASA Program
- Outward Bound
- Space is Special
- Summer college experiences
- Summer Institute
- Volunteer in Environmental School

## ART DEPARTMENT

| COURSE<br>NUMBER | TITLE                            | GRADE              | CREDIT | PREREQUISITE  |
|------------------|----------------------------------|--------------------|--------|---|
|                  |                                  | LEVEL<br>AVAILABLE |        |   |
| L109             | Art Survey                       | 10, 11, 12         | .50    |   |
| L110             | Introduction to Art*             | 9, 10, 11, 12      | 1.00   |   |
| L111             | Crafts***                        | 10, 11, 12         | .50    | Introduction to Art   |
| L112             | Drawing and Painting             | 10, 11, 12         | .50    | Introduction to Art   |
| L113             | Sculpture and Ceramics***        | 10, 11, 12         | .50    | Introduction to Art   |
| L114             | Photography and Graphic Design** | 10, 11, 12         | .50    | Introduction to Art   |
| L115             | Photo & Graphic Design II        | 10, 11, 12         | .50    | Photography and Graphic Design  |
| L116             | Photo & Graphic Design III       | 11, 12             | .50    | Photo and Graphic Design II and<br>Instructor Approval                                      |
| L500             | Advanced Placement Studio Art    | 12                 | 1.00   | Introduction to Art and Instructor<br>Approval; Drawing and Painting<br>strongly encouraged |

\*Offered during first hour also. See page 11 for course number.

\*\*Offered also as block courses, 9 weeks, first and second hours. See page 11 for course numbers.

\*\*\*Offered only as block courses, 9 weeks, first and second hours. See page 11.

Supplies for required assignments and basic projects will be available at no charge. If students elect to do additional projects, a fee may be applied for supplies.

### ART SURVEY - L109

Open to grades 10, 11, 12                      Credit: .50  
 This course is for students who want a concentrated introductory art class. Students will learn about the elements and principles of two- and three-dimensional design, color theory and drawing techniques. Grading will be based on satisfactory completion of assigned work, meeting deadlines, effort, progress, weekly sketchbooks, research work, and exams. With teacher permission, this course may be used as a prerequisite for advanced art classes.

### INTRODUCTION TO ART - L110

Open to grades 9, 10, 11, 12                      Credit: 1.00  
 Students who plan to continue in art should take the full year Introduction to Art as their basic class. Students are encouraged to learn a variety of techniques and to experiment with many different media. Basic concepts and terminology needed for advanced art courses are taught. Through this course, students may develop their artistic abilities and carry them on to advanced levels. The following may be covered: drawing, design, perspective, color theory, tempera painting, linoleum block printing, photography, computer graphics, lettering, ceramics, sculpture and watercolor. Grading will be based on satisfactory completion of assigned work, meeting deadlines, effort, progress, weekly sketchbooks, research work, and exams.

### **CRAFTS - L111**

Open to grades 10, 11, 12                      Credit: .50

Prerequisite: Introduction to Art.

Students will explore the major craft areas and experiment with many different kinds of media and techniques. Areas to be studied may include fabric design (weaving, batik, tie-die, macrame, etc.), metal work and casting, ceramics, plaster, and stained glass. Students will work at their own levels of ability and will have the opportunity to evaluate their own work and the work of others. Craftsmanship and individual growth will be stressed. Grading will be based on satisfactory completion of assigned work, meeting deadlines, participation in critiques, effort, progress, homework, research, quizzes, and exams. This course is a 1<sup>st</sup> and 2<sup>nd</sup> hour block class, running for nine weeks. This course may be selected for more than one semester for advanced work, pending teacher approval.

### **DRAWING AND PAINTING - L112**

Open to grades 10, 11, 12                      Credit: .50

Prerequisite: Introduction to Art.

In this one semester course, students will study different styles and techniques of drawing and painting and will be introduced to many new media and materials. The course will include figure drawings, portraiture, a more advanced look at color theory, and a continued study of the elements and principles of good design. Pastels, acrylic paint, watercolor, pen and ink, charcoal, and pencil are among the media that will be used. Grading will be based on satisfactory completion of assigned work, meeting deadlines, participation in critiques, effort, progress, weekly sketchbooks, research work, and exams. This course may be selected for more than one semester for advanced work, pending teacher approval. Students are strongly encouraged to take Drawing and Painting before taking AP Studio Art.

### **SCULPTURE AND CERAMICS - L113**

Open to grades 10, 11, 12                      Credit: .50

Prerequisite: Introduction to Art.

This course is designed to provide an opportunity for students to explore the area of three-dimensional form using clay and other materials. This is a 1<sup>st</sup> and 2<sup>nd</sup> hour block class which runs for nine weeks. Most of the time will be spent using clay, with different assignments given for each level of experience.

The remaining time will be spent using a variety of other sculpture materials (wood, plaster, etc.) and consideration will be given to both additive and subtractive types of construction. Grading will be based on satisfactory completion of assigned work, meeting deadlines, participation in critiques, effort, progress, homework, research, quizzes, and exams. This course may be selected for more than one semester for advanced work, pending teacher approval.

### **PHOTOGRAPHY AND GRAPHIC DESIGN - L114**

Open to grades 10, 11, 12                      Credit: .50

Prerequisite: Introduction to Art.

This course is a combination of photography and graphic design, including darkroom work and various printmaking and commercial art techniques. Photography as an expressive medium will be explored as students will learn how to creatively use the 35 millimeter camera, develop film, and enlarge, mount, and evaluate their own black and white pictures. Classroom work may include such things as basic layout and typography, illustration techniques, various printmaking methods, and computer graphics. Basic composition, craftsmanship, and individual creativity will be stressed. Grading will be based on satisfactory completion of assigned work, meeting deadlines, participation in critiques, effort, progress, homework, research, quizzes, and exams. This course is offered as a 1<sup>st</sup> and 2<sup>nd</sup> hour block class running for nine weeks, as well as one hour for the semester.

### **PHOTOGRAPHY AND GRAPHIC DESIGN II - L115**

Open to grades 10, 11, 12                      Credit: .50

Prerequisite: Photography and Graphic Design

This course is a continuation of Photography and Graphic Design. Students will do advanced graphics including computer imagery and digital photography, as well as camera and darkroom work with emphasis on a more personal, experimental approach. Grading will be based on satisfactory completion of assigned work, meeting deadlines, participation in critiques, effort, progress, homework, research, quizzes, and exams.

**PHOTOGRAPHY AND GRAPHIC DESIGN  
III - L116**

Open to grades 11, 12                              Credit: .50

Prerequisite: Photo and Graphic Design II.

This course builds upon skills learned in the first two semesters of photo. Students will learn more advanced, experimental techniques and will build a photo portfolio incorporating their own personal style. Grading will be based on satisfactory completion of assigned work, meeting deadlines, participation in critiques, effort, progress, homework, research, quizzes, and exams. The course is largely independent, so teacher permission is required.

**ADVANCED PLACEMENT STUDIO ART -  
L500**

Open to grade 12                                      Credit: 1.00

Prerequisite: Introduction to Art and instructor approval; Drawing and Painting strongly encouraged.

This course allows advanced art students to complete portfolios for college credit and/or art school admission. The Advanced Placement requirements for studio art determine the course curriculum. Grading will be based on satisfactory completion of assigned work, meeting deadlines, effort, progress, participation in critiques, weekly sketchbooks, research work, and exams. The student and teacher work closely to prepare the portfolio which students may choose to have judged by the College Board committee in May. Students are strongly encouraged to take Drawing and Painting before taking AP Studio Art

## BUSINESS DEPARTMENT

| COURSE<br>NUMBER  | TITLE                            | GRADE<br>LEVEL<br>AVAILABLE | CREDIT | PREREQUISITE  |
|---|----------------------------------|-----------------------------|--------|---|
| <b>Business Management Courses</b>  |                                  |                             |        |   |
| G110  | Introduction to Business         | 9, 10                       | .50    |   |
| G112  | Business Communications          | 10, 11, 12                  | .50    |   |
| G114  | Computerized Accounting I        | 10, 11, 12                  | .50    |   |
| G116  | Computerized Accounting II       | 11, 12                      | .50    | Computerized Accounting I   |
| G118  | Business Law                     | 11, 12                      | .50    |   |
| G120  | Personal Finance                 | 11, 12                      | .50    |   |
| <b>Marketing Courses</b>  |                                  |                             |        |   |
| G130  | Introduction to Marketing        | 10, 11, 12                  | .50    |   |
| G132  | Entrepreneurial Marketing        | 10, 11, 12                  | .50    |   |
| G230  | Marketing Management             | 11, 12                      | 1.00   | Introduction to Marketing and<br>Entrepreneurial Marketing                |
| G401  | Cooperative Education (Co-op)    | 11, 12                      | 2.00   | Currently taking any marketing<br>or KC/TC course                         |
| G402  | Work Experience                  | 11, 12                      | 1.00   | Related course  |
| <b>Computer Information Systems</b>   |                                  |                             |        |   |
| G122  | Computer Literacy                | 9, 10, 11, 12               | .50    |   |
| G220  | Personal Computing               | 9, 10, 11, 12               | .50    |   |
| G222  | Computer Information Systems I   | 9, 10, 11, 12               | .50    |   |
| G322  | Computer Information Systems II  | 9, 10, 11, 12               | .50    | Computer Information Systems I  |
| G422  | Computer Information Systems III | 9, 10, 11, 12               | 1.00   | Teacher Recommendation  |
| G430  | Computer Science Programming     | 9, 10, 11, 12               | .50    | Successful completion of Algebra  |
| G530  | Adv Placement Computer Science   | 11, 12                      | .50    | Successful completion of Adv<br>Algebra & Computer Science<br>Programming |
| <b>Networking Courses</b>   |                                  |                             |        |   |
| The following Network course is a semester long, after school course, completing the coursework in 2 years. |                                  |                             |        |   |
| G450  | CISCO Networking I               | 10, 11, 12                  | .50    |   |
| G452  | CISCO Networking II              | 11, 12                      | .50    |   |
| The following MCP Network course is a year long, 2 hour block course, completing the coursework in 1 year.  |                                  |                             |        |   |
| G432  | Microsoft Professional Block     | 11, 12                      | 2.00   |   |
| The following two MCP Network courses are year long, 1 hour courses, completing the coursework in 2 years.  |                                  |                             |        |   |
| G434  | Microsoft Professional I         | 10, 11, 12                  | 1.00   |   |
| G436  | Microsoft Professional II        | 11, 12                      | 1.00   | Microsoft Professional I  |

## **BUSINESS MANAGEMENT COURSES:**

### **INTRODUCTION TO BUSINESS - G110**

Open to grades 9, 10                      Credit: .50  
This class is an introduction for freshmen and sophomores interested in exploring some basic fundamentals of business. It is designed to establish business principles and practices that form the groundwork for all business operations. Junior Achievement will play an important role in this class. JA will provide a business leader to meet with the students on a weekly basis as well as provide a product to market and sell.

### **BUSINESS COMMUNICATION – G112**

Open to grades 10, 11, 12                      Credit: .50  
This course is designed to provide the student with the communication skills used in the field of business and the world of work. The course will focus on both written and verbal communication skills. In addition, students will demonstrate presentation skills using multi-media technology. Students will inquire, analyze, and be able to produce and articulate concepts related to the field of business and entrepreneurship.

### **COMPUTERIZED ACCOUNTING I - G114**

Open to grades 10, 11, 12                      Credit: .50  
Accounting is recording, analyzing and interpreting financial information. Accounting is the language of business. *U.S.A. Today* reports that by the year 2000, the number of individuals owning their own businesses is expected to increase from 7.5 million to 12.2 million. *The Accounting Review* reports that the failure rate for the first accounting course in college is approximately 60% for those with no background in accounting. Also, most people use knowledge of accounting for their personal needs. Those who know basic accounting principles and concepts are better able to plan and keep adequate personal records.

### **COMPUTERIZED ACCOUNTING II - G116**

Open to grades 11, 12                      Credit: .50  
Prerequisite: Computerized Accounting I.  
Most students graduating from Forest Hills Central go into some type of business related study. A required business course in college is Accounting 101. Research shows that more than 60% of college students who fail accounting did not take accounting in high school. Don't be a statistic! Sign up for Accounting II! This course will study accounting concepts of a corporation as it relates to our global economy.

### **BUSINESS LAW - G118**

Open to grades 11, 12                      Credit: .50  
Business Law is concerned with the rules that apply to business situations and transactions. A look at the topics covered will make clear that the scope of business law is very broad. Some of the topics are contracts, buying and selling, credit and business organization. Most of the topics covered are of importance to all, not only business people. From buying a can of pop at the school store to buying a multi-million dollar business, everyone engages in activities governed by business law.

### **PERSONAL FINANCE - G120**

Open to grades 11, 12                      Credit: .50  
This course is designed to teach personal money management as well as reinforce basic math skills. Students will discuss fundamentals of finance, work on solving business math problems, and deal with "real-life" financial situations. The concepts that are covered include savings and checking accounts, investing, budgeting and financial records, individual taxes, and insurance and credit. This course can be used as credit towards the applied science graduation requirements or as a math credit with prior teacher and counselor approval

## **MARKETING COURSES:**

All marketing classes are related courses for Cooperative Education.

### **INTRODUCTION TO MARKETING - G130**

Open to grades 10, 11, 12 or teacher permission  
Credit: .50 (a one semester course offered in the fall)

This course introduces the student to the various functions of marketing and business. Topics include an overview of business, marketing strategies and principles and the sales process. The course also addresses employability skills within the cooperative education setting. This course is designed around class discussion, some lecture, projects and group learning. The course also integrates DECA (Distributive Education Clubs of America) co-curricular activities. Each student is given the opportunity and encouraged to participate in the DECA Chapter outside of class.

### **ENTREPRENEURIAL MARKETING - G132**

Open to grades 10, 11, 12 or teacher permission  
Credit: .50 (a one semester course offered in the spring)

This course is designed to allow students to start or continue their study of marketing and business. Topics of the course include economics and the free enterprise system, advertising and marketing as it relates to small business, and business entrepreneurship. Students in the course also participate in a state-wide stock market contest throughout the semester. This course is designed around class discussion, some lecture and group learning. The course also integrates DECA (Distributive Education Clubs of America) co-curricular activities. Each student is given the opportunity and encouraged to participate in the DECA Chapter outside of class.

### **MARKETING MANAGEMENT - G230**

Open to grades 11, 12                      Credit: 1.00

Prerequisite: Introduction to Marketing *and* Entrepreneurial Marketing.

Students will learn the principles involved in the marketing and management of a retail operation through the experience of the school store. Problem based learning is utilized to gain competencies in store management and entrepreneurship including inventory control, purchasing, cash management, merchandising, promotion and human relations. DECA (Distributive Education Clubs of America) Chapter activities and participation are utilized to enhance the learning of marketing and business principles. All students in the course are required to attend and pay for the first DECA conference of the school year and are encouraged to participate in subsequent conferences.



## COOPERATIVE EDUCATION (CO-OP) and WORK EXPERIENCE

The **Co-op** program is open to students enrolled in a marketing class or in a vocational program at the Kent Career Technical Center. Related job training sites are approved by the school teacher/coordinator. Students enrolled in a marketing Co-op or KCTC program are required to be in a job primarily engaged in marketing functions or a related work environment to their program. The goal of the Co-op program is to provide each student with a connecting job experience from the marketing classes or KCTC program to the work outside of school.

The **Work Experience** program is designed to provide students with related employment experiences outside the school setting. The goal of Work Experience is to provide connecting links between school and work. Each student is required to be in a class related to his or her work experience. Related training sites and classes are approved by the teacher/coordinator.

### CO-OP - G401

2 credits for a full year

#### Student requirements:

1. Open to grades 11 and 12
2. Employment at an approved training site that provides an average of 15 hours of work a week
3. Enrollment in a marketing course at Forest Hills Central High School or Kent Career/Technical Center
4. Time cards submitted bi-weekly (time cards are provided by Forest Hills Central High School)
5. Attendance at bi-weekly class meeting with coordinator

#### Related courses for Co-op:

1. Courses at Kent Career/Technical Center
2. Introduction to Marketing
3. Entrepreneurial Marketing
4. Marketing Management

Co-op students must meet with the coordinator prior to being accepted into the program.

### WORK EXPERIENCE - G402

1.00 credit for a full year

.50 credit for one semester

#### Student Requirements:

1. Open to grades 11 and 12
2. Employment at an approved training site that provides an average of 10 hours of work a week
3. Must be enrolled in a related course at Forest Hills Central High School
4. Time cards submitted weekly (time cards are provided by Forest Hills Central High School)
5. Attendance at bi-weekly class meeting with coordinator

#### Related courses for Work Experience:

1. All courses offered in the Business Department
2. Courses approved by coordinator

## Computer Information System Courses

FHCHS offers computer courses for varying levels of expertise. A student with no or little computer experience should begin with Computer Literacy or Computer Information Systems I. The Business Department suggests that students with computer experience start with Computer Information Systems I and move progressively to the advanced courses. We are excited to offer Microsoft certification to those students who would like to be certified in Microsoft Word, Excel, Access or in Systems Engineering. All you have to do is take Computer Systems I, II, III or Networking and then pass the Microsoft certification test to be certified. If interested, please read the following about Microsoft certification.

### What is a Microsoft Certified Professional?

If you want to be a computer professional, it's the best way to show employers, clients, and colleagues that you have the knowledge and skills required. Microsoft's certification program is one of the industry's most comprehensive programs for assessing and maintaining software related skills, and the MCP designation is recognized by technical managers worldwide as a mark of quality.

Forest Hills Public Schools is a Microsoft Authorized Technical Education Center.

### Certifications Available at Forest Hills

- MCPS★**      **Microsoft Certified Product Specialists** demonstrate in-depth knowledge of at least one Microsoft operating system. Students seeking MCPS designation should take Computer Information Systems I and II.
- MOUS★**      **Microsoft Office User Specialist Program** gives students the credentials to prove they know how to use Microsoft Office applications efficiently and productively. There are three levels of expertise available: Expert, Expert Specialist, and Proficient Specialist. Students seeking MOUS designation should take Computer Information Systems I and II.
- MCSE★**      **Microsoft Certified Systems Engineers** are qualified to effectively plan, implement, maintain, and support information systems in a wide range of computing environments with Windows NT Server and the Microsoft BackOffice integrated family of server products. Students seeking the MCSE designation should take the Networking block class.

**★ In order to receive Microsoft Certification, students must pay for and pass at least one certification exam.**

## **COMPUTER INFORMATION SYSTEMS COURSES:**

### **COMPUTER LITERACY - G122**

Open to grades 9, 10, 11, 12      Credit: .50  
Computer Literacy is designed to give students fundamental computer skills. The course will focus on touch-typing and word processing. The students will also be introduced to basic spreadsheet, database, and Internet usage. The students will gain a basic understanding of computer applications using Microsoft Works. This course is ideal for the student who has little or no previous computer experience.

### **PERSONAL COMPUTING – G220**

Open to grades 9, 10, 11, 12      Credit: .50  
This course allows you to choose a specific area for individualized instruction in computers. With guidance from the teacher, you may select course objectives and proceed at your own rate. If you are longing to discover more about the computer without being held back, then this course is for you. Whether you are a beginner or an expert in computers, the curriculum will be designed around your individual needs and wants. Maybe you want to learn about Microsoft applications such as Word, Excel, Access, or PowerPoint. Or maybe you want to get your Microsoft certification (Microsoft Office User Specialist) or learn how to build a computer. Would you like to do a first class project for another course or create that perfect web site? Finally, there is an opportunity for plenty of lab time! This class would give you that freedom and earn a computer credit simultaneously.

### **COMPUTER INFORMATION SYSTEMS I - G222**

Open to grades 9, 10, 11, 12      Credit: .50  
Microsoft Certification Available!  
Keep your computer skills up to date. This course provides an overview of microcomputer applications including a brief introduction to computer concepts, Microsoft Windows, Microsoft Office package including: Word, Excel, Access, PowerPoint, creating Web pages, and using applications together. This class will further develop the basic computer skills students already possess to the level required by colleges and employers. Students will have the opportunity to earn Microsoft credentials. Microsoft certifications are internationally recognized, valued by employers, and would look great on any resume!

### **COMPUTER INFORMATION SYSTEMS II - G322**

Open to grades 9, 10, 11, 12      Credit: .50  
Prerequisite: Computer Information Systems I.  
Microsoft Certification Available!  
This course continues where Computer Information Systems I left off. This class covers advanced microcomputer applications including Microsoft Word 2000, Microsoft Excel 2000, Microsoft Access 2000, Microsoft PowerPoint 2000, and integration of the applications. Topics include form letters, merging, desktop publishing, financial functions, amortization schedules, data tables, creating and querying a worksheet database, templates, creating customized reports and forms in Access, Switchboard Manager, embedded visuals, and importing slips into PowerPoint. We will also develop web pages for personal and academic purposes. For a test fee, students will have the opportunity to earn official Microsoft credentials during this class. Microsoft Certified Professional (MCP) and Microsoft Office User Specialists (MOUS) certifications are available. Microsoft certifications are internationally recognized and would look great on any resume!

**COMPUTER INFORMATION SYSTEMS  
III– G422**

Open to grades 9, 10, 11, 12                      Credit: 1.00

Prerequisite: Teacher recommendation.

In Computer Information Systems III, students will apply web page design concepts and techniques to develop and maintain the Central High School web page, *Rangers Online*, on the World Wide Web. Students will create and maintain web pages revolving around our students, faculty, sport teams, clubs, and facilities to highlight life at FHC. Web techniques to be applied will include web page layout, Java Script, HTML, reading and writing to databases, graphics, animation, sound, and video.

**COMPUTER SCIENCE PROGRAMMING -  
G430**

Open to grades 9, 10, 11, 12                      Credit: .50

Prerequisite: Successful completion of Algebra.

Computer Science Programming will introduce students to computer programming using C++. Students will be able to design, document, write, and de-bug programs to solve business and scientific problems. Students will be able to understand and utilize algorithms, logical analysis, and flow charts to aide in the development of top-down computer programs. This course assumes no previous programming experience.

**ADVANCED PLACEMENT COMPUTER  
SCIENCE – G530**

Open to grades 11, 12                              Credit: 1.00

Prerequisite: Advanced Algebra and Computer Science Programming.

Advanced Placement Computer Science is considered a college entry level course in the area of computer science. Throughout the year studies will include problem solving skills, algorithm development and analysis, programming design, data structures, and hardware and software technologies. Students are expected to take the Advanced Placement Computer Science exam offered in May. This course is also listed in the Mathematics Department.

## NETWORKING COURSES

### **MICROSOFT CERTIFIED PROFESSIONAL (MCP):**

You will become an MCP at the end of one of these course options by paying for and passing at least one Microsoft evaluation. The Microsoft exams are not required to earn a passing grade for the course, but are required to obtain MCP credentials. During this challenging course, you will design, implement, and administer a computer network. You will learn how to control a computer network ranging in size from a few users to a several thousand users. You will gain valuable skills that are in demand in today's job market.

### **MICROSOFT PROFESSIONAL BLOC – G432**

Open to grades 11, 12 Credit: 2.00

A two-hour block class: Earn your MCP in one year. Designed for the student who can fit a two-hour block class in his/her schedule. This is the preferred way to earn your MCP.

Major units of study will include:

- Windows 2000 Professional
- Windows 2000 Advanced Server
- Networking Infrastructure
- Directory Services

### **MICROSOFT PROFESSIONAL I – G434**

Open to grades 10, 11, 12 Credit: 1.00

Designed for the student who cannot fit a block class in her/his schedule. This course is covers the first two major units of study.

- Windows 2000 Professional
- Windows 2000 Advanced Server

### **MICROSOFT PROFESSIONAL II – G436**

Open to grade 11, 12 Credit: 1.00

Prerequisite: Microsoft Professional I

Designed for the student who cannot fit a block class in her/his schedule. This course is covers the last two major units of study.

- Networking Infrastructure
- Directory Services

### **CISCO NETWORKING ACADEMY:**

This class will prepare students for the 21<sup>st</sup> century workplace and simultaneously serve as a valuable mode for successful E-learning. Students will design, build and maintain computer networks. Laboratory exercises provide opportunity for hands-on experimentation to hone network troubleshooting skills, as well as critical thinking and problem solving abilities. Networking provides a direct route to industry-standard certification. The Networking Academy Program qualifies students to pursue a number of industry standards certifications, including Cisco Certificated Networking Associates (CCNA). The courses will meet Monday and Wednesday afternoons from 4:00 to 6:30 at the Senior Learning Center. **Cisco semesters I and II need to be taken during the same school year.**

### **CISCO NETWORKING I – G450**

Open to Grades 10, 11, 12 Credit: .50

Cisco I covers computing basics and the Open Systems Interconnection model (OSI). The focus of the first class will be a discussion of how data is transferred across the network, as well as interconnectivity through TCP/IP. Cisco Networking I is the first half of the Cisco Networking Academy program.

### **CISCO NETWORKING II – G452**

Open to grades 11, 12 Credit: .50

Prerequisite: Cisco Networking I

Cisco Networking II provides a continuing study of data transfer including an in depth focus on routers, protocols, and network troubleshooting. Cisco Networking II completes the Cisco Networking Academy program.

# **Business Department**

## **Planned Programs**

### **Accounting**

|                   |     |
|-------------------|-----|
| Computerized Acct | .50 |
| Adv Accounting    | .50 |

### **Computer Technology**

|                       |      |
|-----------------------|------|
| Computer Inf Syst I   | .50  |
| Computer Inf Syst II  | .50  |
| Computer Inf Syst III | 1.00 |
| Computer Sci Program  | .50  |
| AP Comp Sci Program   | .50  |
| MCP Bloc              | 2.00 |
| MCP I                 | 1.00 |
| MCP II                | 1.00 |
| CISCO I               | 1.00 |
| CISCO II              | 1.00 |

### **Marketing**

|                       |      |
|-----------------------|------|
| Intro to Marketing    | .50  |
| Entrepreneurial Mkt   | .50  |
| Adv Marketing         | 1.00 |
| Cooperative Education | 2.00 |
| Work Experience       | 1.00 |

### **Business Electives**

|                          |     |
|--------------------------|-----|
| Personal Computing       | .50 |
| Introduction to Business | .50 |
| Business Law             | .50 |
| Computer Literacy        | .50 |
| Personal Finance         | .50 |
| Business Communications  | .50 |

Students may also take courses from any of the above planned programs as electives.

## COMMUNICATION DEPARTMENT

| COURSE<br>NUMBER | TITLE             | GRADE         | AVAILABLE | CREDIT | PREREQUISITE |
|------------------|-------------------|---------------|-----------|--------|--------------|
|                  |                   | LEVEL         |           |        |              |
| H200             | Communication     | 10, 11, 12    |           | .50    |              |
| H222             | Forensics         | 9, 10, 11, 12 |           | .50    |              |
| H330             | Basic Debate      | 9, 10, 11, 12 |           | .50    |              |
| H332             | Telecommunication | 10, 11, 12    |           | .50    |              |

The following courses do not fulfill the communications requirement:

|      |                          |               |      |     |                   |
|------|--------------------------|---------------|------|-----|-------------------|
| H100 | Theatre                  | 9, 10, 11, 12 |      | .50 |                   |
| H101 | Advanced Theatre         | 9, 10, 11, 12 |      | .50 | Theatre           |
| H331 | Strategic Debate         | 10, 11, 12    |      | .50 | Basic Debate      |
| H350 | TV Broadcast Lab*        | 11, 12        | 1.00 |     | Telecommunication |
| H360 | Movies and Film Projects | 11, 12        |      | .50 | Telecommunication |

\*Offered as an alternating 1<sup>st</sup> hour/evening hour split.

One semester of communication is required for graduation. The courses that may be used to fulfill the communication requirement are listed below. All other courses are offered as electives.

|               |                   |
|---------------|-------------------|
| Communication | Forensics         |
| Basic Debate  | Telecommunication |

### COMMUNICATION – H200

Open to grades 10, 11, 12                      Credit: .50  
 The communication class is designed to give the student formal and informal speech communication skills and experience in the areas of communication theory and practice, speech making, listening and perception, interpersonal, intrapersonal, and group communication. This course is structured for active participation and interaction. Students will be involved not only in speech making, but also in exercises and activities designed to promote communication skills. They will have the opportunity to present their thoughts, opinions, ideas, and values pertinent to communication survival on an everyday level. This course is specifically focused for those students who fear speaking as well as those who are interested in developing their personal communication skills.

### FORENSICS - H222

Open to grades 9, 10, 11, 12                      Credit: .50  
 Students are introduced to a competitive public speaking curriculum focusing on oratory skills. The basic principles of composition, delivery and criticism are introduced and practiced. The 12 specific individual events are broadcasting, sales speaking, original oratory, informative speaking, extemporaneous speaking, impromptu speaking, dramatic interpretation, duo interpretation, multiple interpretation, poetry, prose and storytelling. Students who are interested in intramural as well as extra-curricular competition may enjoy the challenges of this course. Students are required to participate in one league-level tournament.

**BASIC DEBATE - H330**

Open to grades 9, 10, 11, 12                      Credit: .50  
Educational debate is a structured activity that allows for the exchange of opposing arguments on current issues within clearly prescribed limits. Students will demonstrate a working knowledge of the speech communication process through participation in intramural competition. Students are encouraged to verbalize thoughts extemporaneously and listen critically to their opponents' arguments. Students will examine and study the national debate topic within the structure of cross-examination debate, Lincoln/Douglas debate, and the art of persuasion. This course is designed especially for academic-oriented students who are confident public speakers. Students enrolled in this course may be expected to participate in some competitive debate outside of class time.

**TELECOMMUNICATION - H332**

Open to grades 10, 11, 12                      Credit: .50  
This class studies the relationship between human communication and technology. It focuses on the impact of telecommunication on self and society through the medium of video production. This is a lab-based course that asks students to create video projects incorporating digital technology. The class highlights the communication skills necessary for the individual to become an effective team member and concentrates on the delivery of presentation skills through small group, multimedia presentations. This course allows students to gain needed experience to participate in both advanced level classes: *Central Sights* Broadcast TV Lab and Movies and Film Projects.

The final courses listed are elective communication offerings and do not fulfill the communication requirement.

**THEATRE - H100**

Open to grades 9, 10, 11, 12                      Credit: .50  
Theatre allows students an opportunity to explore the world of creativity through the eyes and experience of an actor's perspective. Students will study acting through the use of improvisation, monologue, and scene work as well as activities designed to enhance everyday participation skills and self-confidence. Students will apply their learning in a performance based, active setting which will allow them to build criteria to critically evaluate the theatre experience.

**ADVANCED THEATRE - H101**

Open to grades 9, 10, 11, 12                      Credit: .50  
Prerequisite: Theatre.  
In-depth study and application of skills learned in Theatre are the focus of Advanced Theatre. Activity projects such as scene cutting, one-act plays and development of original work are aimed at performance level for a class-selected audience. This course may be repeated for additional credit depending upon the student's intent and interest in selected areas of theatre.

**STRATEGIC DEBATE - H331**

Open to grades 10, 11, 12                      Credit: .50  
Prerequisite: Basic Debate.  
Students who wish to polish their skills as debaters and who wish to investigate the strategies involved in successful argumentation may select Strategic Debate. Students will brief and develop both affirmative and negative cases for the current national topic and learn how to judge and coach novice debaters. Students enrolled in this course must participate in extra-curricular, league-level competition and judge novice debaters.



**TV BROADCAST LAB I – H350**

Open to grades 11, 12                      Credit: 1.00  
Prerequisite:     Telecommunication I and  
application or instructor approval required.

“*Central Sites*” is an advanced level television broadcast class that meets outside of the regular day. The primary goals of the class will be determined by the production of the daily, live broadcast of *Central Sights*. The course focuses on the development of special feature video projects related to *Central Sights* programming. The responsibility of the class is to become an effective voice for the student body at FHCHS. Upon completion of this course the student should understand the power, effect, and influence of television and video production as a communication medium within our culture. Students will learn to identify personal roles, goals, and aspirations within the framework of telecommunication that affect individual learning, communication styles, and the future. A final personal video project portfolio piece is required and will premier at the annual Film Festival.

**MOVIES AND FILM PROJECTS – H360**

Open to grades 11, 12                      Credit: .50  
Prerequisite:     Telecommunication I and  
application required.

This is an advanced Telecommunication course that studies, watches, and critiques films, as well as creates them in the format of film short features! This class is designed around student small group projects, discussion, and participation dealing with subjects that relate to film: genre, history, directors, actors, film making process, in addition to the social, cultural, and personal connections presented through the powerful communication medium of film. A final semester long film project is required that will be presented at the FHCHS Film and Video Festival in the spring.

## ENGINEERING, MANUFACTURING, AND INDUSTRIAL TECHNOLOGY DEPARTMENT

| COURSE<br>NUMBER     | TITLE                              | GRADE<br>LEVEL |  | CREDIT | PREREQUISITE               |
|----------------------|------------------------------------|----------------|--|--------|----------------------------|
|                      |                                    | AVAILABLE      |  |        |                            |
| <b>Technology</b>    |                                    |                |  |        |                            |
| I100                 | Survey of Technical Design         | 9, 10, 11, 12  |  | 1.00   |                            |
| <b>Manufacturing</b> |                                    |                |  |        |                            |
| I110                 | Bench Woodworking                  | 9, 10, 11, 12  |  | .50    |                            |
| I210                 | Power Mechanics                    | 9, 10, 11, 12  |  | .50    |                            |
| I220                 | Woodworking Technology I*          | 10, 11, 12     |  | 1.00   | Survey of Technical Design |
| I320                 | Woodworking Technology II*         | 11, 12         |  | 1.00   | Woodworking Technology I   |
| I420                 | Woodworking Technology III*        | 12             |  | 1.00   | Woodworking Technology II  |
| <b>Engineering</b>   |                                    |                |  |        |                            |
| I140                 | Architectural Rendering and Design | 9, 10, 11, 12  |  | .50    |                            |
| I240                 | Intro to Mechanical Drawing/CAD    | 9, 10, 11, 12  |  | .50    |                            |
| I160                 | Technical Drawing I                | 10, 11, 12     |  | 1.00   | Survey of Technical Design |
| I260                 | Technical Drawing II               | 11, 12         |  | 1.00   | Technical Drawing I        |
| I360                 | Technical Drawing III              | 12             |  | 1.00   | Technical Drawing II       |

\*Offered first hour also. See page 11 for course numbers.

**Due to construction, some courses may be taught at a different site.**

### **SURVEY OF TECHNICAL DESIGN**

I100

Open to grades 9, 10, 11, 12      Credit: 1.00  
This class is an exciting new look at technology, engineering, woodworking and design. If you are technically minded, like to work with your hands, and enjoy computers, this class is for you. Students will focus on a variety of career fields including robotics, solar power, plastics, woodworking, small engines, and more. This course is designed for all students, especially those interested in the Engineering, Manufacturing and Industrial Technology career pathway. To continue this pathway, the survey course must be taken first. There is a lab fee of \$25 at the beginning of each semester.

### **BENCH WOODWORKING – I110**

Open to grades 9, 10, 11, 12      Credit: .50  
Bench Woodworking is a stand-alone introductory course. The student will learn how to use tools that are used in the woodworking industry. Emphasis will also be placed on developing team skills, proper industry behavior, and safety skills. Several small projects will be constructed using technical drawings.

### **POWER MECHANICS – I210**

Open to grades 9, 10, 11, 12      Credit: .50  
Students will learn the design and operating principles of 2-stroke and 4-stroke engines. Practical hands-on experience will be gained through the actual disassemble and reassemble of working engines. There will be an emphasis on work habits and career opportunities in the mechanical area.

### **WOODWORKING TECHNOLOGY I, II, III – I220, I320, I420**

Open to grades 10, 11, 12      Credit: 1.00  
Prerequisite: Survey of Technical Design  
This is a student directed lab class. The students will design and construct projects of their own choosing. Any or all of the woodworking tools can be used and a constant upgrading of skill is encouraged. Emphasis will be placed upon developing good work habits, positive attitudes, safety procedures, skills acquisition, and career experience. All materials used for individual projects will be paid for by the student.

**ARCHITECTURAL RENDERING AND DESIGN – I140**

Open to grades 9, 10, 11, 12                      Credit: .50  
This class will be a half-year introductory course in residential home design. The class will consist of designing plans for a single story residence with a walkout lower level. The coursework will include floor plans, exterior and interior elevations, roof design, wall sections, and will conclude with a color rendering of the front view of the house. A fun class to take!

**INTRODUCTION TO MECHANICAL DRAWING AND CAD – I240**

Open to grades 9, 10, 11, 12                      Credit: .50  
This mechanical design course will cover the basic manual orthographic and isometric projection systems. Computer aided drafting (CAD) using AutoCad 2002 will teach the future engineering student the fundamentals of “3D Solid Modeling”. Awesome AutoCad!

**TECHNICAL DRAWING I – I160**

Open to grades 10, 11, 12                      Credit: 1.00  
Prerequisite: Survey of Technical Design  
Technical Drawing I students will develop skills in manual drafting industrial techniques. Orthographic projection, 3D projection, on through architectural house plans will be the main part of this class.

**TECHNICAL DRAWING II –I260**

Open to grades 11, 12                      Credit: 1.00  
Technical Drawing II students will integrate advanced manual drafting skills and techniques with basic computer aided drafting skills using AutoCad 2002. This course will be more assembly oriented than single image oriented.

**TECHNICAL DRAWING III – I360**

Open to grade 12                      Credit: 1.00  
Technical Drawing III students will develop and solve an assortment of work related problems. AutoCad 2002 and Architectural Desktop will be used exclusively in this course.

## **INDUSTRIAL TECH GRID**

## FOREIGN LANGUAGE DEPARTMENT

| COURSE<br>NUMBER | TITLE                        | GRADE              | CREDIT | PREREQUISITE  |
|------------------|------------------------------|--------------------|--------|---|
|                  |                              | LEVEL<br>AVAILABLE |        |   |
| F110             | Conversational French        | 9, 10, 11, 12      | 1.00   |   |
| F1110            | French I                     | 9                  | 1.00   | 1 <sup>st</sup> semester French I, Grade C or better  |
| F111             | French I                     | 9, 10, 11, 12      | 1.00   |   |
| F210             | French I/II                  | 9, 10, 11, 12      | 1.00   | Teacher Recommendation                                |
| F211             | French II                    | 9, 10, 11, 12      | 1.00   | French I (Grade C or better)                          |
| F311             | French III                   | 10, 11, 12         | 1.00   | French II (Grade C or better)                         |
| F411             | French IV                    | 11, 12             | 1.00   | French III (Grade C or better)                        |
| F511             | Advanced Placement French V  | 12                 | 1.00   | French IV (Grade C or better)                         |
| F1210            | Spanish I                    | 9                  | .50    | 1 <sup>st</sup> semester Spanish I, Grade C or better |
| F121             | Spanish I                    | 9, 10, 11, 12      | 1.00   |   |
| F220             | Spanish I/II                 | 9, 10, 11, 12      | 1.00   | Teacher Recommendation                                |
| F221             | Spanish II*                  | 9, 10, 11, 12      | 1.00   | Spanish I   |
| F321             | Spanish III                  | 10, 11, 12         | 1.00   | Spanish II (Grade C or better)                        |
| F421             | Spanish IV                   | 11, 12             | 1.00   | Spanish III (Grade C or better)                       |
| F521             | Advanced Placement Spanish V | 12                 | 1.00   | Spanish IV (Grade C or better)                        |
| F341             | Latin III                    | 11, 12             | 1.00   | Latin II (Grade C or better)                          |
| F541             | Latin IV AP                  | 12                 | 1.00   | Latin III (Grade C or better)                         |
| F151             | Japanese I                   | 9, 10, 11, 12      | 1.00   |   |
| F251             | Japanese II                  | 10, 11, 12         | 1.00   | Japanese I (Grade C or better)                        |
| F351             | Japanese III                 | 11, 12             | 1.00   | Japanese II (Grade of C or better)                    |
| F451             | Japanese IV                  | 12                 | 1.00   | Japanese III (Grade of C or better)                   |

\*Offered during first hour also. See page 11 for course number.

Depending on the number of students registering, any foreign language course may be taught at Central High or Northern High or both.

### CONVERSATIONAL FRENCH - F110

Open to grades 9, 10, 11, 12 Credit: 1.00

This course is designed for the student who wants to learn to speak some “survival French”. It is aimed at first time language students as well as those who would like to start a second foreign language. It stresses the spoken word over the written word. The course will be centered around themes such as food, shopping, and travel. Students will be encouraged to speak French in the classroom along with completing several student projects. Learning about the

culture of French speaking countries will also be stressed. Students who complete this course may wish to continue with French I.

### FRENCH I – F1110

Open to grade 9

Credit: .50

Prerequisite: Grade of C or better in first semester of French I

This course is equivalent to second semester French I and is a continuation of French courses taken in the middle school. Upon completion the student should be able to advance to French II the following year.

**FRENCH I - F111**

Open to grades 9, 10, 11, 12      Credit: 1.00

The first year of French consists of common conversational situations set in cultural contexts, plus patterns of grammar, reading, writing, speaking and listening. Listening skills are developed by hearing spoken French and responding in actions as well as speaking. Culture capsules are designed to broaden the student's understanding and knowledge of basic cultural differences between the United States and French speaking countries. Stress is on communicative skills with paired and group activities.

**FRENCH I/II – F210**

Open to grades 9, 10, 11, 12      Credit: 1.00

Prerequisite: Teacher permission.

This course is for the unique and serious student who is capable of learning a language at a much faster pace than the traditional high school language course offers. One year of high school credit for foreign language will be earned in one semester. It is expected that students will be able to understand and apply concepts with minimal reinforcement from the teacher. Class time will be used applying concepts and ideas rather than reinforcing them. The homework load will be much higher than that of a regular language class. This class is ideal for students who have already had success with one foreign language and would like to add a second. Permission by instructor is required. This class will be scheduled for a full year, one hour only.

**FRENCH II - F211**

Open to grades 9, 10, 11, 12      Credit: 1.00

Prerequisite: Completion of French I with a grade of C or better or written teacher approval. French II students will further develop skills acquired in French I. Much of previously learned material is expanded and students are given many opportunities for paired and group learning. These activities will increase a student's ability to listen, read, write and speak.

**FRENCH III - F311**

Open to grades 10, 11, 12      Credit: 1.00

Prerequisite: Completion of French II with a grade of C or better or written teacher approval.

It is advisable for students to take advanced courses to polish the reading, writing, speaking and listening skills previously learned and to expand their knowledge of the many aspects of life and literature. At this level, students are expected to do most course work in French. The work includes continuing grammar and verb study, reading, music, viewing films, and studying culture in context. Literature is studied and conversation is stressed.

**FRENCH IV - F411**

Open to grades 11, 12      Credit: 1.00

Prerequisite: Completion of French III with a grade of C or better or written teacher approval.

The fourth year of French deals with perfecting the skills introduced in the first three years, namely speaking, comprehending, reading, and writing. The course is conducted in French. A survey of French history and literature is the main focus. Grammar and vocabulary review is also stressed. The class is student centered and includes several student projects. French films and a novel may also be included.

**ADVANCED PLACEMENT FRENCH V – F511**

Open to grade 12      Credit: 1.00

Prerequisite: Completion of French IV with a grade of C or better or written teacher approval.

This course will be conducted entirely in French. Students will continue to improve conversational and literary skills. Grammar will be reviewed and mastered. Literary works as well as articles from journals, magazines, and newspapers will be read and discussed. The class is student centered and may include several projects. After completion of this course, students should be well prepared to take the Advanced Placement exam and/or enter into advanced classes at the college level.

**SPANISH I – F1210**

Open to grade 9

Credit: .50

Prerequisite: Grade of C or better in first semester of Spanish I

This course is equivalent to second semester Spanish I and is a continuation of Spanish courses taken in the middle school. Upon completion the student should be able to advance to Spanish II the following year.

**SPANISH I - F121**

Open to grades 9, 10, 11, 12 Credit: 1.00

First year Spanish students will learn to understand, read, speak and write elementary conversations in Spanish. Listening skills will develop by hearing Spanish spoken and by participating in class activities. Special emphasis is placed on the Spanish and Latin American cultures as they relate to young adults. Classroom experiences will be enriched by the use of films, native guest speakers, music, Spanish magazines and newspapers and food. Emphasis will be placed on spelling and basic grammar.

**SPANISH I/II – F220**

Open to grades 9, 10, 11, 12 Credit: 1.00

Prerequisite: Teacher Permission.

This course is for the unique and serious student who is capable of learning a language at a much faster pace than the traditional high school language course offers. One year of high school credit for foreign language will be earned in one semester. It is expected that students will be able to understand and apply concepts with minimal reinforcement from the teacher. Class time will be used applying concepts and ideas rather than reinforcing them. The homework load will be much higher than that of a regular language class. This class is ideal for students who have already had success with one foreign language and would like to add a second. Permission by instructor is required. This class will be scheduled for a full year, one hour only.

**SPANISH II - F221**

Open to grades 9, 10, 11, 12 Credit: 1.00

Prerequisite: Completion of Spanish I with a grade of C or better or written teacher approval. Spanish II students will further develop skills acquired in Spanish I. They will increase their

knowledge of vocabulary and grammar as well as of culture and geography. As in first year Spanish, a special emphasis will be placed on active student involvement. Classroom experiences will be enriched through the use of films, guest speakers, music, Spanish magazines and newspapers and food.

**SPANISH III - F321**

Open to grades 10, 11, 12 Credit: 1.00

Prerequisite: Completion of Spanish II with a grade of C or better or written teacher approval. Students enrolled in this advanced course will be expected to do most course work in the Spanish language. In addition to the study of culture, geography and civilization, there will be films and occasional native guest speakers. Students will also be introduced to Hispanic literature.

**SPANISH IV - F421**

Open to grades 11, 12 Credit: 1.00

Prerequisite: Completion of Spanish III with a grade of C or better or written teacher approval. In the fourth year of Spanish students will continue to improve the conversational and literary skills introduced to them during the first three years. This course, which will be conducted entirely in Spanish, is designed for serious, advanced students who are interested in becoming more fluent in conversational and written Spanish as well as enriching their cultural, historical and geographical awareness of the Spanish-speaking world.

**ADVANCED PLACEMENT SPANISH V - F521**

Open to grade 12 Credit: 1.00

Prerequisite: Completion of Spanish IV with a grade of C or better or written teacher approval. In order to become fluent in conversation, this course will be conducted entirely in Spanish. Literary works will be read and discussed. The grammar learned during the first four years will be reviewed and mastered. After completion of this course, students will be well prepared to take the Advanced Placement exam and/or enter into advanced classes at the college level.

**Latin may be offered via an alternative medium, i.e. virtual high school, I.T.V., dual enrollment, or in cooperation with a neighboring school district.**

**LATIN III - F341**

Open to grades 11, 12                      Credit: 1.00  
Prerequisite: Completion of Latin II with a grade of C or better or written teacher approval. Reading the works of Ovid and Catullus will provide grammatical review. Students will study poems on love and marriage, friendship and humor, life and lifestyles, as well as some mythology.

**ADVANCED PLACEMENT LATIN IV – F541**

Open to grade 12                              Credit: 1.00  
Prerequisite: Completion of Latin III with a grade of C or better or written teacher approval. Preparedness for the Latin Advanced Placement examination on Virgil/Epic Poetry is the major outcome. Selections from Book VIII are used to review grammatical, historical and cultural information. All twelve books are read in English and Books I, II, IV and VI are read in Latin, as required by the AP syllabus. There is extensive practice both in scansion of verses and in writing essays.

**Course availability for all Japanese courses will depend on enrollment and could be taught either at Central High or Northern High. In addition, students may need to take the course at the college level through dual enrollment. See page 79 for dual enrollment information.**

**JAPANESE I - F151**

Open to grades 9, 10, 11, 12      Credit: 1.00  
During the first year of Japanese the student will learn to understand, read and write elementary conversations. Listening skills will be developed by hearing Japanese spoken and by participating daily in class. Language study will be further enhanced by exposure to Japanese culture in its many forms. Various films, cassettes, speakers, and readings will contribute to the student's overall understanding of Japan, its people and culture.

**JAPANESE II - F251**

Open to grades 10, 11, 12              Credit: 1.00  
Prerequisite: Completion of Japanese I with a grade of C or better or written teacher approval. Japanese II students will further develop skills acquired in Japanese I. Language and culture will continue to be emphasized with an increasing stress on reading and writing. Much of previously learned material is expanded and students are given many opportunities for paired and group learning.

**JAPANESE III – F351**

Open to grades 11, 12                      Credit: 1.00  
Prerequisite: Completion of Japanese II with a grade of C or better or written teacher approval. Japanese III will continue where Japanese II left off with a continued emphasis on speaking, reading, writing, and culture lessons. Students will learn increasingly sophisticated structures and become more adept at handling themselves in varied situations using entirely Japanese. Kanji will be learned at a faster rate to allow for more advanced reading.

**JAPANESE IV – F451**

Open to grade 12                              Credit: 1.00  
Prerequisite: Completion of Japanese III with a grade of C or better or written teacher approval. The fourth year of Japanese is an advanced course for the serious student. Starting with reviews of previous levels, Japanese IV will continue building the first three years of the language by using the same college level Japanese book. The course will emphasize the written form of Japanese Kanji, grammar structures, and computation skills. Readings will require students to know the characters and language with increasingly more difficult words.



## LANGUAGE ARTS DEPARTMENT

| COURSE<br>NUMBER TITLE | LEVEL<br>AVAILABLE | CREDIT | PREREQUISITE |
|------------------------|--------------------|--------|--------------|
|------------------------|--------------------|--------|--------------|

All ninth grade students are required to take one of the following courses:

|      |                   |   |      |                        |
|------|-------------------|---|------|------------------------|
| A100 | Applied English 9 | 9 | 1.00 | Teacher Recommendation |
| A101 | English 9         | 9 | 1.00 |                        |
| A102 | Honors English 9  | 9 | 1.00 | Entrance Test          |

All tenth grade students are required to take one of the following courses:

|       |                       |    |      |                        |
|-------|-----------------------|----|------|------------------------|
| A200  | Applied English 10    | 10 | 1.00 | Teacher Recommendation |
| A201  | English 10*           | 10 | 1.00 |                        |
| AE201 | English 10/US History | 10 | 2.00 |                        |
| A202  | Honors English 10     | 10 | 1.00 | Entrance Test          |

The following course will fulfill half of the English requirement for 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade.

|      |                                |            |     |  |
|------|--------------------------------|------------|-----|--|
| A320 | High School Reading Strategies | 10, 11, 12 | .50 |  |
|------|--------------------------------|------------|-----|--|

All eleventh grade students are required to take one of the following courses:

|      |                    |    |      |                        |
|------|--------------------|----|------|------------------------|
| A300 | Applied English 11 | 11 | 1.00 | Teacher Recommendation |
| A301 | English 11*        | 11 | 1.00 |                        |
| A302 | Honors English 11  | 11 | 1.00 | Entrance Test          |

The following course is open to 11<sup>th</sup> and 12<sup>th</sup> grade. Juniors must be taking English 11 concurrently. It will fulfill half the English requirement for 12<sup>th</sup> grade.

|      |             |        |     |  |
|------|-------------|--------|-----|--|
| A406 | Shakespeare | 11, 12 | .50 | Juniors must be taking English 11 concurrently |
|------|-------------|--------|-----|--|

Senior courses except Senior Applied & Technical English and Advanced Placement English are semester courses.

|      |                                      |    |      |  |
|------|--------------------------------------|----|------|--|
| A400 | Senior Applied and Technical English | 12 | .50  |  |
| A402 | World Literature I                   | 12 | .50  |  |
| A404 | World Literature II                  | 12 | .50  |  |
| A420 | College Reading Strategies           | 12 | .50  |  |
| A422 | Senior Composition                   | 12 | .50  |  |
| A424 | Creative Writing                     | 12 | .50  |  |
| A500 | Advanced Placement English           | 12 | 1.00 |  |

The following are English elective courses. They will not fulfill an English requirement.

|      |                     |               |      |  |
|------|---------------------|---------------|------|--|
| A325 | Yearbook Journalism | 11, 12        | 1.00 |  |
| A326 | Journalism I        | 9, 10, 11, 12 | .50  |  |
| A328 | Advanced Journalism | 10, 11, 12    | 1.00 |  |

\*Offered first hour also. See page 11 for course numbers.

## **9<sup>TH</sup> GRADE ENGLISH OFFERINGS**

### **APPLIED ENGLISH 9 - A100**

Open to grade 9 Credit: 1.00  
Teacher recommendation required.

Applied English 9 is designed to fit the needs of students who have experienced previous difficulty in English. Basic elements of grammar, writing, reading and study skills will be emphasized.

### **ENGLISH 9 - A101**

Open to grade 9 Credit: 1.00

English 9 students will study short stories, poetry, the novel and drama and will apply literary concepts and terminology to this literature. By writing primarily narration and description, students will learn the writing process and use a variety of prewriting, drafting, revising and editing techniques. Library skills, study skills and research techniques will be used to create a research project. Basic grammar will be introduced.

### **HONORS ENGLISH 9 - A102**

Open to grade 9 Credit: 1.00  
Counselor/teacher recommendation and success on standardized middle school test scores required.

Honors English 9 is designed for those students identified through testing and teacher recommendation as possessing a high degree of skill in language arts. It is assumed that the student is motivated and able to grasp and expand upon subtle concepts in literature. The basic content areas covered parallel those of the regular English 9 curriculum; however, the class includes in-depth study of literature. Students must attain a grade of A- for the 1st semester and 3<sup>rd</sup> quarter or must take a placement test to be eligible for Honors English 10.

## **10<sup>TH</sup> GRADE ENGLISH OFFERINGS**

### **APPLIED ENGLISH 10 - A200**

Open to grade 10 Credit: 1.00  
Teacher recommendation required.

Applied English 10 students will focus on the study of American Literature from the 1600s to the present day. It will also include the study of grammar, vocabulary and the writing process. Curriculum will be modified slightly to meet the needs of those students who have been shown to have language skill difficulties within the standard English curriculum.

### **ENGLISH 10 - A201**

Open to grade 10 Credit: 1.00

English 10, which focuses on the study of American literature, also includes the study of grammar, vocabulary and the writing process. Students will study the writings of early American writers such as Irving, Poe, Emerson, Thoreau, Hawthorne and Melville, as well as drama, poetry and novels by selected major twentieth-century American authors.

### **ENGLISH 10/US HISTORY – AE201**

Open to grade 10 Credit: 2.00

This is a two credit course scheduled for two consecutive hours. Students receive both English and US History credits. In this bloc, history and literature are viewed as complementary, sharing common themes that serve as the basis for quarterly projects. These projects are cooperative in nature and involve both writing and presenting. The English focus also includes vocabulary and some grammar. Materials for both courses are essentially the same as those used in regular English 10 and US History but are more extensive in some areas.

### **HONORS ENGLISH 10 – A202**

Open to grade 10 Credit: 1.00

Prerequisite: A grade of at least A- in first semester and 3<sup>rd</sup> marking period of Honors English 9 or teacher recommendation and entrance test required.

The basic format of Honors English 10 is similar to that of the regular English 10 course. The major difference is that the honors course will be more in-depth. Particular attention will be paid to developing those skills necessary for College Board examinations. Toward that end, the volume of reading required in this course will exceed that of regular English.

## 11<sup>TH</sup> GRADE ENGLISH OFFERINGS

### APPLIED ENGLISH 11 - A300

Open to grade 11 Credit: 1.00  
Teacher recommendation required.

Applied English 11, which focuses on the study of world literature from 1700 to the present, will be studied from a global perspective so that students are made aware of the relevant cultural, historical, economic, and political themes of the world. Nearly all parts of the globe will be reviewed as literary selections ranging from Europe to contemporary Africa, with numerous detours along the way. The study of grammar, vocabulary, and the writing process are also crucial components of the course. Curriculum will be modified slightly to meet the needs of those students who have been shown to have language skill difficulties within the standard English curriculum.

### ENGLISH 11 - A301

Open to grade 11 Credit: 1.00  
English 11, which focuses on the study of world literature from 1700 to the present, will be studied from a global perspective so that students are made aware of the relevant cultural, historical, economic, and political themes of the world. Nearly all parts of the globe will be reviewed as literary selections ranging from Europe to contemporary Africa, with numerous detours along the way. The study of grammar, vocabulary, and the writing process are also crucial components of the course.

### HONORS ENGLISH 11 - A302

Open to grade 11 Credit: 1.00  
Prerequisite: A grade of at least A- in first semester and 3<sup>rd</sup> marking period of Honors English 10 or teacher recommendation and entrance test required.

The basic format of Honors English 11 is similar to that of the regular English 11 course. The major differences are that the honors course will be more in-depth, will require a literary research paper and will include several creative writings. Particular attention will be paid to developing those skills necessary for College Board examinations. Toward that end, the volume of reading required in this course will exceed that of regular English.

## 10<sup>TH</sup>, 11<sup>TH</sup> AND 12<sup>TH</sup> GRADE ENGLISH OFFERINGS

### HIGH SCHOOL READING STRATEGIES - A320

Open to grades 10, 11, 12 Credit: .50  
This semester course offers students the opportunity to read non-fiction articles and several young adult novels as they improve study skills, comprehension and vocabulary.

## 11<sup>TH</sup> AND 12<sup>TH</sup> GRADE ENGLISH OFFERINGS

### SHAKESPEARE - A406

Open to grades 11, 12 Credit: .50  
Prerequisite: Juniors must be taking English 11 concurrently.

This semester course will focus on at least four of the plays of William Shakespeare: *Henry IV* (1), *The Taming of the Shrew*, *Twelfth Night* and a tragedy. Students will learn about the life and career of Shakespeare, debate the controversial theories about the authorship of Shakespeare's plays, and read and enact scenes from the plays in class. Students will be required to attend live productions and to see videos of Shakespearean plays that are available during the semester. They will read and analyze Shakespeare sonnets. Historical background of both the Elizabethan period and each play's setting will be discussed, as well as the language of Shakespeare and its influence. The history of theater, Aristotelean elements of tragedy and comedy, and a study of the Globe Theater and other Elizabethan theaters will be covered. Students will write both analytical and creative papers, take quizzes and tests, memorize passages, and become thoroughly familiar with the works of the wonderful Bard of Avon.

## 12<sup>TH</sup> GRADE ENGLISH OFFERINGS

### SENIOR APPLIED AND TECHNICAL ENGLISH - A400

Open to grade 12 Credit: .50

Teacher recommendation required.

This course is designed to help students develop the practical language arts skills needed to make a successful transition from school to both vocational experiences and college. Some of the areas to be covered are researching career and school options, job search skills, resume writing, the interview process, constructive written and verbal communication and technical reading.

### WORLD LITERATURE I - A402

Open to grade 12 Credit: .50

This one semester college prep course will deepen students' knowledge of classical world literature so they will be culturally literate in the professional and academic arenas. Selected works from ancient times through the 1600s will be studied. Writing will be a regular component of this course. This course is not open to students who are enrolled in AP English, as much of this material is covered there.

### WORLD LITERATURE II - A404

Open to grade 12 Credit: .50

In this college prep course, literature from 1700 to the present will be studied from a global perspective so that students are made aware of the relevant cultural, historical, economic, and political themes of the world. Nearly all parts of the globe will be reviewed as literary selections range from Europe to contemporary Africa, with numerous detours along the way. This course is a critical part in preparing students for understanding the world beyond the United States. World Literature I is not a prerequisite. This is a senior level course.

### COLLEGE READING STRATEGIES - A420

Open to grade 12 Credit: .50

This course is designed for college-bound seniors. Students will learn how to read and remember information from lengthy reading assignments, make the most of study sessions and improve note-taking, memory and test-taking techniques. In addition, students will increase in vocabulary, develop speed reading skills and learn how to survive and thrive during the college freshman year.

### SENIOR COMPOSITION - A422

Open to grade 12 Credit: .50

This course is recommended for college and career oriented students who wish to practice or improve their composition and grammar skills. The course will focus on expository writing with expectations similar to those in either the workplace or typical freshman level college composition courses.

### CREATIVE WRITING - A424

Open to grade 12 Credit: .50

In this course, students will be writing from their own ideas and thoughts. Throughout the semester, they will be composing several different lengthy pieces, as well as a project that culminates the work done while in the classroom, known as the Works In Progress (W.I.P.). Students will learn how to appreciate their writing and others' writing, as well as give constructive criticism. Using a variety of strategies, the students will be writing in prose, such as short stories and dramas; they will explore poetry, looking at different rhyme schemes and experimenting with writing in specific styles. Personal essays will include past and future experiences.

### ADVANCED PLACEMENT ENGLISH - A500

Open to grade 12 Credit: 1.00

This course will be very challenging and demanding. Emphasis should be placed on the advantage of this course when weighted grades and ranks are computed for external purposes. Advanced Placement English will focus on reading and critical analysis of Greek literature, Dante's *Inferno*, and English literature from the Old English period to the present. Students will cover areas such as literary background and content of major works, authors, periods, styles, and metrical patterns. Student writing is expository, creative and analytical, ranging from the familiar essay to critical analysis, poetry and short stories. Media projects, oral reports, and creative presentations are required. Outside reading of many recognized works of literary merit are. This is an honors course for seniors who are serious about pursuing a rigorous pace. Students will be encouraged to take the Advanced Placement English examination in May.

## **ADDITIONAL ENGLISH ELECTIVES:**

### **YEARBOOK JOURNALISM - A325**

Open to grades 11, 12                      Credit: 1.00

Recommendation by the yearbook advisor required.

The product of this class will be a yearbook covering school events and activities. Students will learn sales techniques and sell advertisements, write photo captions, design and draw page layouts, use Macintosh desktop publishing, crop photos for effective graphic presentation and practice journalistic writing techniques on yearbook feature stories. Yearbook Journalism is a unique class which utilizes flexible hours. The class will meet for several days in the summer and evenings in the fall and winter to be determined. These sessions will be required class time and attendance will be mandatory. As a result of these hours, there will be release time in April and May when the class will not meet regularly. Interested students must obtain an application from the counseling office which, when signed by the instructor, will allow registration.

### **JOURNALISM I - A326**

Open to grades 9, 10, 11                      Credit: .50

As the prerequisite to Advanced Journalism for the 2001-02 school year, this course will serve as an introduction to all aspects of newspaper journalism. Students will learn about writing, reporting, editing, photography, layout and design and distribution. The focus of the class will be writing in journalistic style for news, feature, editorial, sports and arts and entertainment. Students will be expected to write extensively and will be required to meet deadlines. Students will have the opportunity to submit articles for publication in *The Forest Edge*, Central High School's student-run newspaper. Students who complete this semester course can then apply for Advanced Journalism.

### **ADVANCED JOURNALISM - A328**

Open to grades 10,11,12                      Credit: 1.00

Prerequisite: Journalism I or Instructor permission.

The members of this challenging and fast-paced course create *The Forest Edge*, the school newspaper created in 1997-98. Students will utilize the skills gained in Journalism I including writing, reporting, editing, photography, layout and design and distribution to create a top-notch publication. The class is organized into editors and writers, and relies heavily on group work, self motivation and self discipline. All students will accept constructive criticism and work with, for and under other students. Students will also sell subscriptions to *The Forest Edge*. Interested students must pick up an application in the counseling office. The application will include letters of recommendation and a writing sample. Although this is intended to be a full-year course, students wishing to take this course for one semester may with teacher permission.

## MATHEMATICS DEPARTMENT

The Forest Hills Central Mathematics Department offers a program designed to meet the needs and abilities of each student. By studying four years of mathematics, students may graduate from Forest Hills Central High confident they are fully prepared for the technical world of today and tomorrow. Please refer to the math sequence chart as a guide for course selection. Students (and parents) are encouraged to read the descriptions carefully and consult their current math teacher with any questions or concerns. Please read the message at the end of this section and note the grading scale.

| COURSE<br>NUMBER | TITLE                                 | GRADE              | CREDIT | PREREQUISITE   |
|------------------|---------------------------------------|--------------------|--------|--|
|                  |                                       | LEVEL<br>AVAILABLE |        |  |
| B100             | Applied Math I                        | 9, 10, 11, 12      | 1.00   | Teacher Recommendation   |
| B200             | Applied Math II                       | 10, 11, 12         | 1.00   | Teacher Recommendation   |
| B101             | Pre-algebra                           | 9                  | 1.00   | Teacher Recommendation   |
| B102             | High School Algebra                   | 9, 10, 11, 12      | 1.00   | Teacher Recommendation and C- or lower in Algebra              |
| B103             | Algebra                               | 9, 10, 11, 12      | 1.00   |  |
| B104             | Geometry                              | 9, 10, 11, 12      | 1.00   | Algebra with grade of C or better                              |
| B201             | Advanced Algebra*                     | 9, 10, 11, 12      | 1.00   | Algebra and Geometry with grades of C or better                |
| B301             | Algebra III Plus                      | 11, 12             | 1.00   | Advanced Algebra or students who received a C+ or lower in FST |
| B302             | Functions, Statistics & Trigonometry* | 10, 11, 12         | 1.00   | Advanced Algebra with grade of C+ or better<br>Recommendation  |
| B350             | FST/PDM                               | 9, 10, 11, 12      | 1.00   | ATYP or Advanced Algebra with grade of A- or better            |
| B401             | Pre-calculus and Discrete Math        | 11, 12             | 1.00   | FST with grade of C+ or better                                 |
| B450             | Math Mentor                           | 11, 12             | 1.00   | FST and Teacher Recommendation                                 |
| B510             | Advanced Placement Statistics         | 11, 12             | 1.00   | FST  |
| B522             | Advanced Placement Calculus B/C       | 12                 | 1.00   | PDM with grade of B or better                                  |

The following computer science courses will not fulfill the mathematics graduation requirement.

|      |                                     |               |      |   |
|------|-------------------------------------|---------------|------|---|
| G430 | Computer Science Programming        | 9, 10, 11, 12 | .50  | Successful completion of Algebra                  |
| G530 | Advanced Placement Computer Science | 11, 12        | 1.00 | Advanced Algebra and Computer Science Programming |

\*Offered during first hour also. See page 11 for course numbers.

**APPLIED MATH I, II - B100, B200**

Open to grades 9, 10, 11, 12    Credit: 1.00

Teacher recommendation required.

This course is designed to meet the needs of the student who is not ready to continue with Algebra. Emphasis will be placed on applications, technology and projects using hands-on activities. Normally a two-year program, the length may be extended for students with special needs by prior written permission. *This course is open to students by invitation only.*

**PRE-ALGEBRA - B101**

Open to grades 9                                  Credit: 1.00

This course is a link between Transition Mathematics and Algebra for those students who need additional preparation for Algebra. The student will be exposed to hands-on and supplemental materials designed to develop algebraic concepts. After successful completion of this course, the student will be ready to enter Algebra the following year.

**HIGH SCHOOL ALGEBRA – B102**

Open to grade 9, 10, 11, 12    Credit: 1.00

Prerequisite: Teacher recommendation and C- or lower in Algebra

High School Algebra is open to freshmen or students with teacher recommendation. Students should select this class if they have a need to strengthen their algebra skills prior to taking Geometry or Advanced Algebra.

**ALGEBRA - B103**

Open to grades 9, 10, 11, 12    Credit: 1.00

This is a beginning Algebra program. Students study systematic approaches to problems and develop the language and notations of algebra. This course is the next course in the UCSMP sequence and should be selected by those who have not completed an algebra I course.

**GEOMETRY - B104**

Open to grades 9, 10, 11, 12    Credit: 1.00

Prerequisite: Algebra with grade of C or better.

Basic topics and the introduction of the idea of proof are developed in Geometry. To be qualified for this course, students should have a C or better average in Algebra.

**ADVANCED ALGEBRA - B201**

Open to grades 9, 10, 11, 12    Credit: 1.00

Prerequisite: Algebra and Geometry with grades of C or better.

This is the standard Advanced Algebra course. Students will expand algebraic skills and learn new concepts. To be qualified for this course, students need a grade of C or better in *both Algebra and Geometry*.

**ALGEBRA III PLUS - B301**

Open to seniors only or students with teacher recommendation. Juniors will be placed on a wait list. Students will not have taken FST or will have earned a C+ or *lower* in FST.

This course is designed to help students prepare for non-technical careers in areas that do not require calculus. Students study algebra, statistics and trigonometry. Seniors may select this course to give them a solid background for college. Students who have earned a B- or higher in FST *will not* receive a math credit for Algebra III Plus.

**FUNCTIONS, STATISTICS AND TRIGONOMETRY (FST) - B302**

Open to grades 10, 11, 12    Credit: 1.00

Prerequisite: Advanced Algebra with a grade of C+ or better.

FST is a *challenging* course in which students study functions, statistics and trigonometry. Students must have a C+ average or better in Advanced Algebra and will need a graphing calculator for this course.

**FUNCTIONS, STATISTICS, AND TRIGONOMETRY (FST) AND PRECALCULUS AND DISCRETE MATH (PDM) – B350**

Open to grades 9, 10, 11, 12    Credit: 1.00

Prerequisite: ATYP or Advanced Algebra with grade of A- or better.

This FST/PDM course will be accelerated in both pace and the level of instruction. Students will have less practice and more analysis, working with topics as opposed to lessons in the text. This course requires extensive work by the students as they meet one period per day to complete two full courses in one year.

**PRECALCULUS AND DISCRETE MATH (PDM) - B401**

Open to grades 11, 12                      Credit: 1.00  
Prerequisite: FST with a grade of C+ or better.  
PDM provides the mathematics needed to study calculus and introduces students to the ideas of discrete mathematics, number theory and logic. This is the last course in the usual high school mathematics sequence before a student enters college.

**MATH MENTOR - B450**

Open to Grade 11, 12                      Credit: 1.00  
Prerequisite: FST and teacher recommendation.  
This is an opportunity for juniors and seniors who would like to work with the same one or two students in algebra or geometry on a daily basis. Depending upon your field of interest, you may choose to have “math mentor” or “pre-teaching” as the course title. Any student interested must apply to the teacher of this course by submitting recommendations from two current teachers. One must be from the math teacher. This course will be graded credit/no credit.

**ADVANCED PLACEMENT STATISTICS - B510**

Open to grade 11, 12                      Credit: 1.0  
Prerequisite: FST.  
The purpose of the Advanced Placement course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploratory Analysis, Planning a Study, Probability and Statistical Inference. The student must have completed FST. A teacher recommendation is also required for admittance to the class. Students are expected to take the Advanced Placement exam in May.

**ADVANCED PLACEMENT CALCULUS B/C - B522**

Open to grade 12                              Credit: 1:00  
Prerequisite: B or better in PDM  
Calculus is a college level course covering **two semesters** of the college curriculum. It is based on the Advanced Placement syllabus and requires extensive work by the student. Students are expected to take the AP test given at Forest Hills Central in May. Open only to students who have completed PDM with a B or better.

**COMPUTER SCIENCE PROGRAMMING - G430**

Open to grades 9, 10, 11, 12              Credit: .50  
Prerequisite: Successful completion of Algebra.  
Computer Science Programming will introduce students to computer programming using C++. Students will be able to design, document, write, and de-bug programs to solve business and scientific problems. Students will be able to understand and utilize algorithms, logical analysis, and flow charts to aide in the development of top-down computer programs. This course assumes no previous programming experience.

**ADVANCED PLACEMENT COMPUTER SCIENCE – G530**

Open to grades 11, 12                      Credit: 1.00  
Prerequisite: Advanced Algebra and Computer Science Programming.  
Advanced Placement Computer Science is considered a college entry level course in the area of computer science. Throughout the year studies will include problem solving skills, algorithm development and analysis, programming design, data structures, and hardware and software technologies. Students are expected to take the Advanced Placement Computer Science exam offered in May.



## IMPORTANT MESSAGE FROM THE MATHEMATICS DEPARTMENT

Two years of mathematics are required for graduation. However, most students select three or four years and the department considers four years necessary for our technical world.

Our primary program, consisting of Algebra, Geometry, Advanced Algebra, FST and PDM has been developed to allow students to **succeed**. Past experience has shown that a C average in a lower level class and a C+ in a higher level class is considered the minimum grade necessary to successfully continue with the next course. This is not a difficult requirement for most students. However, if you do experience difficulty, you should consider as many of the following suggestions as needed to ensure your work is satisfactory.

1. Do not wait until you are failing to take action; do it the first sign of trouble.
2. Review your homework habits to ensure the work is done daily.
3. Ask questions about the homework.
4. Re-do problems not understood or missed the first time.
5. Participate in classroom activities.
6. Study with a friend.
7. Get extra help from the teacher before or after school.
8. Hire a tutor until the work improves.

Although our teachers are very willing to help you, as a high school student, we encourage you to obtain the help you need.

**PREREQUISITES:** We ask that students and parents respect the prerequisites. They are intended to help ensure success.

**CALCULATORS:** A scientific calculator is used in all math classes and students should have one available in class and for homework. Beginning with Advanced Algebra, but suitable for Algebra I, a graphing calculator is needed. We suggest the TI-83+ which is powerful, user-friendly and can handle the student's needs (Other TI graphing calculators will work if you already have one). Because the purchase of a graphing calculator can be a significant expense, students and parents should feel free to discuss purchase arrangements with the principal.

**GRADING SCALE:** Beginning with the 1998-99 school year, the Forest Hills Public School District adopted the traditional grading scale noted below. Parents should consult with teachers if they have questions about placement in a math course for the 2001-2002 school year.

|        |   |    |       |   |    |
|--------|---|----|-------|---|----|
| 100-93 | = | A  | 76-73 | = | C  |
| 92-90  | = | A- | 72-70 | = | C- |
| 89-87  | = | B+ | 69-67 | = | D+ |
| 86-83  | = | B  | 66-63 | = | D  |
| 82-80  | = | B- | 62-60 | = | D- |
| 79-77  | = | C+ | 59-0  | = | E  |

# **THE ROADS TO MATHEMATICAL SUCCESS**

## MUSIC DEPARTMENT

| COURSE<br>NUMBER | TITLE   | GRADE         | AVAILABLE | CREDIT | PREREQUISITE       |
|------------------|---|---------------|-----------|--------|--------------------|
|                  |   | LEVEL         |           |        |                    |
| J120             | Concert Band  | 9, 10, 11, 12 |           | 1.00   | Director Placement |
| J220             | Symphonic Band  | 9, 10, 11, 12 |           | 1.00   | Director Placement |
| J320             | Wind Ensemble   | 9, 10, 11, 12 |           | 1.00   | Director Placement |
| J140             | Concert Orchestra   | 9, 10, 11, 12 |           | 1.00   | Director Placement |
| J240             | Symphonic Orchestra                                       | 9, 10, 11, 12 |           | 1.00   | Director Placement |
| J160             | Concert Choir   | 9, 10, 11, 12 |           | 1.00   | Director Placement |
| J260             | Central Singers   | 10, 11, 12    |           | 1.00   | Director Placement |
| J360             | Women's Chorus  | 10, 11, 12    |           | 1.00   | Director Placement |
| J460             | Chamber Singers   | 10, 11, 12    |           | 1.00   | Director Placement |
| J462             | Vocal Jazz Ensemble                                       | 10, 11, 12    |           | 1.00   | Director Placement |
| J222             | Jazz Ensemble III**                                       | 9, 10, 11, 12 |           | 1.00   | Director Placement |
| J322             | Jazz Ensemble II  | 9, 10, 11, 12 |           | 1.00   | Director Placement |
| J422             | Jazz Ensemble I   | 9, 10, 11, 12 |           | 1.00   | Director Placement |
| J430             | Percussion Ensemble/Steel Band**                          | 9, 10, 11, 12 |           | 1.00   | Director Placement |
| J500             | Advanced Placement Literature<br>and Structure of Music** | 9, 10, 11, 12 |           | 1.00   | Music Background   |

\*\*Offered first hour only. See page 11.

**Note to all music students:** Attendance is required at all performances. Semester I enrollment is a prerequisite for Semester II enrollment. Membership in the "RANGER" Marching Band for wind and percussion players is mandatory during the appropriate season. Additionally, attendance at Tuesday night, 7-9 p.m., rehearsals is required during fall sports season. Participation during Band Camp, a week long event during the summer, is strongly encouraged. Students may elect participation in pep band during winter sports season.

### CONCERT BAND - J120

Open to grades 9, 10, 11, 12 Credit: 1.00  
 Concert Band is a full year course which meets daily. Emphasis is aesthetic education through strengthening of individual musicianship and performance skills; knowledge of music theory and its application to playing; performance of literature suited to the ability of the group; and listening and creative thinking activities, including musical composition. Participation in chamber music ensembles to solidify musicianship skills occurs during the appropriate season. Private lessons are encouraged. This course focuses on developing individual performance proficiency and overall musicianship.

### SYMPHONIC BAND - J220

Open to grades 9, 10, 11, 12 Credit: 1.00  
 Prerequisite: Director placement.  
 Symphonic Band is a full year course which meets daily. Emphasis is aesthetic education through strengthening of individual performance and musicianship skills; knowledge of music theory and its application to playing; and performance of literature suited to the ability of the group. Participation in chamber music ensembles to solidify musicianship skills occurs during the appropriate season. Private lessons are strongly encouraged. This course focuses on developing individual performance proficiency and musicianship.

**WIND ENSEMBLE - J320**

Open to grades 9, 10, 11, 12     Credit: 1.00

Prerequisite: Director placement.

Wind ensemble is a full year course which meets daily. Through audition and director placement, players may elect participation in Symphonic Orchestra. Emphasis is placed on aesthetic education through performing a wide variety of literature, including marches, popular music, orchestral transcriptions, and works conceived for wind band. Additional emphasis is placed on performance and musicianship skills and building an understanding of the historical context of literature. Participation in chamber music ensembles and solo performance occurs during the appropriate season. Private lessons are highly recommended.

**CONCERT ORCHESTRA - J140**

Open to grades 9, 10, 11, 12     Credit: 1.00

Prerequisite: Director placement.

Concert Orchestra meets daily for a full year. It is primarily a string orchestra with some full orchestra experience. It is intended to be a small group to enhance individualized instruction. This course will emphasize music which contains shifting, advanced bowing techniques and vibrato. In addition, two octave major and minor scales will be studied. Musicianship, performance skills, theory and listening are included within the scope of the class. Private lessons are encouraged. Concert performances include school programs and orchestra festivals. Attendance is required at these performances.

**SYMPHONIC ORCHESTRA - J240**

Open to grades 9, 10, 11, 12     Credit: 1.00

Prerequisite: Director placement.

Symphonic Orchestra meets daily and for a full year. It is a string orchestra with an extensive full orchestra experience. Auditions are required for freshmen and new students. Openings in this orchestra will be on an availability basis. Students are encouraged to study privately and/or be in either Youth Symphony or St. Cecilia. A wide variety of difficult literature is studied and performed. Students will also study theory and appreciation. Performances include school concerts and festivals. Attendance is required at these performances. This group is also invited to perform for many organizations throughout the year both during and outside the school day.

**CONCERT CHOIR - J160**

Open to grades 9, 10, 11, 12     Credit: 1.00

Prerequisite: Director placement.

Open to all first year high school choir students, this class focuses on the fundamentals of singing, sight reading, and music theory. Music history also plays a prominent role in this course, giving students an overview of all the basic historical periods. This course serves as a prerequisite for Central Singers and Women's Chorus.

**CENTRAL SINGERS - J260**

Open to grades 10, 11, 12     Credit: 1.00

Prerequisite: Director Placement.

Students are taught the fundamentals of breathing and producing tone, sight reading, music, music theory and how to blend in a group of mixed voices. A wide variety of literature is studied and performed, from the Renaissance through the twentieth century, including jazz and popular music. This course is open to men and women. Private voice lessons are encouraged. Students may take Chamber Singers concurrently with Central Singers.

**WOMEN'S CHORUS - J360**

Open to grades 10, 11, 12     Credit: 1.00

Prerequisite: Director Placement.

Students are taught the fundamentals of breathing and producing tone, sight reading music, music theory and how to blend in a group of similar vocal ranges. A wide variety of literature is studied and performed, from the Renaissance through the twentieth century, including jazz and popular music. Emphasis is placed on the unique challenges inherent in treble vocal music. This chorus is open to women only. Private voice lessons are encouraged. Students may take Chamber Singers concurrently with Women's Chorus.

**CHAMBER SINGERS - J460**

Open to grades 10, 11, 12     Credit: 1.00

Prerequisite: Director Placement.

Students must be capable of reading music and studying it on their own. Advanced choral music is studied and performed. Private voice lessons are encouraged. Students may take Chamber Singers concurrently with Central Singers or Women's Chorus.

**JAZZ ENSEMBLE III - J222**

Open to grades 9, 10, 11, 12    Credit: 1.00

Prerequisite: Director placement.

Jazz Ensemble III is a full year course which meets daily. Emphasis is on aesthetic education through improvisation and performance of suitable literature, composition and arranging of music, and transcribing of jazz performance. Attendance is required at all curricular and extra-curricular events. This ensemble may participate in several jazz festivals from January to March of each year. All members of the ensemble must be concurrently enrolled in another instrumental ensemble or have director approval.

**JAZZ ENSEMBLE II - J322**

Open to grades 9, 10, 11, 12    Credit: 1.00

Prerequisite: Director placement.

Jazz Ensemble II is a full year course which meets daily and is a follow-up course to Jazz III. Emphasis is aesthetic education through improvisation and performance of suitable literature; harmonic, rhythmic and structural complexities of jazz, jazz history and solo transcriptions. Attendance is required at all curricular and extra-curricular events. This ensemble participates in several jazz festivals from January to March of each year. All members of the ensemble must be concurrently enrolled in another instrumental ensemble. Membership in this ensemble is predicated upon director audition.

**JAZZ ENSEMBLE I - J422**

Open to grades 9, 10, 11, 12    Credit: 1.00

Prerequisite: Director placement.

Jazz Ensemble I is a full year course which meets daily and is a follow-up course to Jazz II. Emphasis is aesthetic education through improvisation and performance of suitable literature; harmonic, rhythmic and structural complexities of jazz, jazz history and solo transcriptions. This ensemble will participate in several jazz festivals from January to March of each year. Attendance is required at all curricular and extra-curricular events. All members of the ensemble must be concurrently enrolled in another instrumental ensemble. Membership in this ensemble is predicated upon director audition.

**VOCAL JAZZ ENSEMBLE – J462**

Open to grades 10, 11, 12    Credit: 1.00

Prerequisite: Director Placement and enrollment in Chamber Singers.

This ensemble will explore the tradition of vocal jazz in depth. A;capella and accompanied music will be studied and performed, with an emphasis on musical excellence and professionalism. In addition, jazz forms will be studied and students will be exposed in detail to great jazz performers of the past and present. All members of this ensemble must be concurrently enrolled in Chamber Singers.

**PERCUSSION ENSEMBLE/STEEL BAND – J430**

Open to grades 9, 10, 11, 12    Credit: 1.00

Prerequisite: Director placement.

Percussion Ensemble/Steel Band is a full year course which meets daily. It is open to all students with a serious interest in becoming well versed in percussion. Emphasis is aesthetic education through strengthening of individual musicianship and performance skills, knowledge of music theory and its application to playing, performance of literature suited to the ability of the group, and listening and creative thinking activities including musical composition. This ensemble has several curricular and extra-curricular performances throughout the year. This course focuses on developing individual performance proficiency and overall musicianship. Attendance is required at all curricular and extra-curricular events. Private lessons are encouraged. All members of the ensemble must be concurrently enrolled in another instrumental ensemble. Membership in the ensemble is predicated upon director audition.

**ADVANCED PLACEMENT LITERATURE AND STRUCTURE OF MUSIC - J500**

Open to grades 9, 10, 11, 12    Credit: 1.00

Prerequisite: Music background strongly recommended.

This advanced placement course is a non-performance academic music course aimed at giving students greater understanding and appreciation of music theory and history. All the major historical periods will be studied in detail, focusing on composers and major works. Western European music theory, history, and culture will be studied through representative literature. In addition, the class will explore the richness of music from other cultures. Students enrolling in this course should have a strong interest and some background in music history and theory. Students enrolling in this course are expected to take the Advanced Placement Music Theory Examination in May.

## PHYSICAL EDUCATION DEPARTMENT

| COURSE<br>NUMBER TITLE | GRADE<br>LEVEL | AVAILABLE CREDIT | PREREQUISITE |
|------------------------|----------------|------------------|--------------|
|------------------------|----------------|------------------|--------------|

Students must take two semesters of physical education. Introduction to Fitness 9 is a requirement for all 9<sup>th</sup> grade students. The Physical Education Department recommends that all 9<sup>th</sup> grade students complete the two semester requirement as freshmen by also taking Fitness Activities 9. Students whose schedules do not allow this must take a semester elective in 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup> grade. In addition, Health is a required course for all students.

|      |                                |            |     |                           |
|------|--------------------------------|------------|-----|---------------------------|
| D101 | Introduction to Fitness 9      | 9          | .50 |                           |
| D104 | Fitness Activities 9           | 9          | .50 |                           |
| D301 | Aerobic Fitness*               | 10, 11, 12 | .50 | Introduction to Fitness 9 |
| D302 | Lifetime/Team Sports           | 10, 11, 12 | .50 | Introduction to Fitness 9 |
| D303 | Strength and Conditioning      | 10, 11, 12 | .50 | Introduction to Fitness 9 |
| D304 | Advanced Physical Education ** | 10, 11, 12 | .50 | Introduction to Fitness 9 |
| D305 | Yoga I                         | 10, 11, 12 | .50 | Introduction to Fitness 9 |
| D306 | Yoga II                        | 10, 11, 12 | .50 | Yoga I                    |
| D222 | Health                         | 10, 11, 12 | .50 |                           |

\*Offered during first hour also. See page 11 for course numbers.

\*\* Offered during 1<sup>st</sup> hour only.

### INTRODUCTION TO FITNESS 9 - D101

Open to grade 9 Credit: .50

Heart monitor chest strap required.

This is a semester course required for all 9<sup>th</sup> grade students. Students will study the five health-related components of physical fitness (cardiovascular endurance, flexibility, muscular endurance and strength, and body composition) through a variety of activities and fitness notebook lessons. Activities include football, indoor and outdoor soccer, floor hockey, basketball, volleyball, Pickleball, softball, tennis, an aerobic fitness unit, and physical fitness testing. In addition, students will use heart monitors once per activity to investigate the aerobic potential of different sports and games.

### FITNESS ACTIVITIES 9 – D104

Open to grade 9 Credit: .50

Heart monitor chest strap required.

This is a semester course for ninth grade students who are able to fulfill their year requirement of physical education as freshmen. Students will participate in a wide range of

leisure activities, partner games, and team activities to promote physical fitness. Activities include team handball, Eclipse Ball, an aerobic fitness unit, physical fitness testing, paddle tennis, table tennis, badminton, arena football, speedball, Ultimate Frisbee, tennis, and an archery/horseshoe/fitness walking unit.

### AEROBIC FITNESS - D301

Open to grades 10, 11, 12 Credit: .50

Heart monitor chest strap required.

Prerequisite: Introduction to Fitness 9.

Aerobic Fitness is offered to any student who has an interest in learning the principles of aerobic fitness plus an interest in participating in daily aerobic sessions. Activities include step aerobics, fitness walking, jogging, cardio-kick boxing, aerobic circuit training, inline skating, and body sculpting. Anyone in 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup> grade may elect this class for one or more semesters. No more than one credit (two semesters) will be granted.

**LIFETIME/TEAM SPORTS - D302**

Open to grades 10, 11, 12                      Credit: .50  
Prerequisite: Introduction to Fitness 9.

Would you welcome the chance to relieve the stress of your academic day in a healthy and fun way? Are you interested in maintaining your fitness level but do not have time to work out after school? Then Lifetime/Team Sports is the class for you! Activities include football, basketball, softball, volleyball, floor hockey, Ultimate Frisbee, badminton, tennis, and Pickleball. Anyone in 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup> grade may elect this class for one or more semesters. No more than one credit (two semesters) will be granted.

**STRENGTH AND CONDITIONING - D303**

Open to grades 10, 11, 12                      Credit: .50  
Prerequisite: Introduction to Fitness 9.

This course is a must for those students interested in a career in any area of physical education such as sports medicine, physical therapy, personal trainer, physical education teacher or coach. Strength and Conditioning is a class where students will learn about power lifting, Olympic lifting, body building, circuit training, rehabilitation of injuries and proper nutrition. Emphasis will be given to exercise routines which help students become stronger, run faster, jump higher and shape their bodies. Individual programs will be offered to accommodate students of various abilities and interest levels within the class. This course may be taken for more than one semester, but no more than one credit (two semesters) will be granted.

**ADVANCED PHYSICAL EDUCATION - D304**

Open to grades 10, 11, 12                      Credit: .50  
Prerequisite: Introduction to Fitness 9.

Advanced Physical Education is a course offered first hour and meets for a complete semester. It is for students who are serious about improving their athletic skills. In this class, students will be involved with weight and sports development. This course may be taken more than once, but no more than one credit (two years) will be granted.

**YOGA I - D305**

Open to grades 10, 11, 12                      Credit: .50  
Prerequisite: Introduction to Fitness 9.

Yoga is a non-competitive exercise form that focuses on increasing flexibility, balance, strength, and improved posture through a series of gentle “poses” called “asanas”. It is also a great way to reduce the negative affects of stress and to increase mental alertness. Yoga classes are generally conducted in a quiet, focused atmosphere. If you enjoy exercising in a quiet, gentle way, this class is for you. This course may be taken for more than one semester, but no more than one credit (two semesters) will be granted.

**YOGA II – D306**

Open to grades 10, 11, 12                      Credit: .50  
Prerequisite: Yoga I

For continuing students who have completed Yoga I, this class offers “vinyasa-style” yoga sessions (a series of poses that flow one into the other) to increase flexibility, muscle tone and strength, aerobic capacity, balance, and mental alertness. Modified headstands, handstands, shoulder stands, and back bends are included in this class. Also, sessions in Tai Chi (“Chinese Yoga”) will be included. Tai Chi is performed by moving through a series of connected postures in slow motion. Benefits include reducing stress, lowering blood pressure, improving balance, respiration, circulation, and increasing energy.

**HEALTH - D222**

Open to grade 10, 11, 12                      Credit: .50  
Heart monitor chest strap required.

This course is designed to help students become aware of the necessary skills for healthier living. The content of the class includes goal setting, wellness, nutrition, physical fitness, substance use and abuse, stress management, human sexuality, and CPR training. Twice a week, students will engage in an activity of their choice (in the gym or on the track) while wearing heart monitors to exercise in the target heart rate zone for cardiovascular health. Upon written request from a parent, students may be excused to a study hall during times when human sexuality and other topics coming under the definition of affective education will be discussed.

## SCIENCE DEPARTMENT

| <b>COURSE<br/>NUMBER</b> | <b>TITLE</b>                             | <b>GRADE<br/>LEVEL<br/>AVAILABLE</b> | <b>CREDIT</b> | <b>PREREQUISITE</b>   |
|--------------------------|--|--------------------------------------|---------------|---|
| C100                     | Applied Science I                        | 9                                    | 1.00          | Teacher/Counselor<br>Recommendation   |
| C102                     | Introductory Science                     | 9                                    | 1.00          |   |
| C200                     | Applied Science II                       | 10                                   | 1.00          | Applied Science I   |
| C201                     | Biology B                                | 10                                   | 1.00          | Introductory Science  |
| C202                     | Biology*                                 | 10                                   | 1.00          | Introductory Science<br>Grade B- or better  |
| C300                     | Chem Com                                 | 11                                   | 1.00          | Biology or Biology B and Geometry<br>concurrently or completed (Grades<br>C- or better)                           |
| C301                     | Chemistry*                               | 11                                   | 1.00          | Geometry & Biology (grade C- or<br>better) or Biology B (grade B- or<br>better)                                   |
| C350                     | Environmental Science                    | 10, 11, 12                           | .50           |   |
| C400                     | Physics                                  | 12                                   | 1.00          | Chemistry & FST Grade C or better   |
| C401                     | Human Anatomy & Physiology               | 11, 12                               | 1.00          | Biology. Also Chemistry<br>concurrently or successful<br>completion of Chemistry or<br>ChemCom, grade B or better |
| C450                     | Goodwillie Environmental Seminar         | 11, 12                               | .50           |   |
| C501                     | Advanced Placement Biology               | 12                                   | 2.00          | Biology & Chemistry (grades B+ or<br>better); Human Anatomy &<br>Physiology recommended but not<br>required       |
| C502                     | Advanced Placement Chemistry             | 12                                   | 2.00          | Chemistry & FST (grades B- or<br>better) & teacher recommendation   |
| C550                     | Advanced Placement Environmental Science | 11, 12                               | 1.00          | Chemistry or Chemistry taken<br>concurrently  |

\*Offered during first hour also. See page 11 for course numbers.



**APPLIED SCIENCE I - C100**

Open to grade 9 Credit: 1.00  
Teacher/Counselor recommendation required.

This is the first year of a two year sequence in science for the student who needs more practice in science process skills. Elements of earth, physical and space sciences, as well as chemistry, will be the topics covered. Study skills and science process skills will be emphasized.

**INTRODUCTORY SCIENCE - C102**

Open to grade 9 Credit: 1.00  
Freshman level science requirement

Earthquakes, hurricanes, volcanoes, ozone depletion, asteroids on a collision course with earth - the list of how earth science affects our lives could go on and on. The basics of physical science are integrated into the curriculum as well. This course blends both earth and physical science into a useful, hands-on approach to learning all of these concepts and how they interact with technology and society, while preparing students for more advanced classes and the high school MEAP test.

**APPLIED SCIENCE II - C200**

Open to grade 10 Credit: 1.00  
Prerequisite: Successful completion of Applied Science I.

Applied Science II fulfills the second year science requirement for those who have successfully completed Applied Science I. Topics covered include the life sciences with emphasis on plants, animals and human and environmental issues. Study skills and science process skills will still be an integral part of the course.

**BIOLOGY B - C201**

Open to grade 10 Credit: 1.00  
Prerequisite: Successful completion of Introductory Science.

Living plant and animal organisms, including their structures, functions and interrelationships with other organisms and their environment are the focus of this course. Biology B is an appropriate course for students who are not planning careers in scientific fields.

**BIOLOGY - C202**

Open to grade 10 Credit: 1.00  
Prerequisite: Introductory Science with grade of B- or better.

Biology is the recommended sophomore course for students who enjoy the study of plants and animals, their structures, functions and interrelationships with other organisms and the environment. Students with an interest in careers which demand comprehensive science backgrounds should take Biology.

**CHEM COM - C300**

Open to grade 11 Credit: 1.00  
Prerequisite: Geometry concurrently or completion of Geometry, and completion of Biology or Biology B. Prior science and math grades must be C- or better.

Chem Comm provides students with an introduction to different branches of chemistry. Endorsed by the American Chemical Society, this course serves as an introductory chemistry course for students who do not intend to enter the fields of medicine or engineering. However, this course is designed to be a college preparatory class. Decision making skills and laboratory exercises are stressed. Regular attendance is important since the class is highly visual and lab oriented.

**CHEMISTRY - C301**

Open to grade 11 Credit: 1.00  
Prerequisite: Successful completion of Geometry and Biology B with a grade of B- or better or Biology with a grade of C- or better.

This is an introductory inorganic chemistry course which requires applied mathematics and logical reasoning. It is highly recommended that students have a strong math/science background. Main topics include atomic structure, chemical composition, formulas and equations, gas laws, solutions and acid/base relationships.

**ENVIRONMENTAL SCIENCE – C350**

Open to grades 10, 11, 12                      Credit: .50

This course is designed to investigate current environmental issues that are in the news and making headlines. Emphasis will be placed on looking into today's environmental crises, how they happen, and what is being done or could be done to lessen their impact. Contamination of our atmosphere, hydrosphere, and lithosphere is a problem today. It could become worse in future decades. Learn more about these problems through discussion, current articles, data analysis, and hands-on activities. Assessment will be by tests and projects. This course is not intended to fulfill existing graduation requirements. This course is not an Advanced Placement level course and is not designed to prepare students for the College Board Examination in environmental science.

**PHYSICS - C400**

Open to grade 12                                      Credit: 1.00

Prerequisite: Completion of Chemistry and FST with a C or better.

Physics is a science concerned with the principles and laws governing the behavior of nature. It is a science by which we learn more about the details of natural phenomena through reasoning, experimentation and mathematical analysis. Topics that are covered include mechanics, light, and sound.

**HUMAN ANATOMY & PHYSIOLOGY -****C401**

Open to grades 11, 12                              Credit: 1.00

Prerequisite for grade 11: Biology. Also, Chemistry concurrently, grades of B or better.

Prerequisite for grade 12: Biology and Chemistry or Chem Com with grades of B or better.

Human Anatomy and Physiology is a year-long course which will prepare students for higher-level classes in the human and health sciences. It is a valuable course for students who plan a career in medicine, dentistry, veterinary care, physical therapy, coaching, research, human genetics, and for life science majors. The class emphasizes human form and function as we study 13 different human systems. The course concludes with a comprehensive dissection of cats, a laboratory exercise which occurs over the last 7-8 weeks of the class. The class is recommended for seniors who have taken both Biology and Chemistry or Chem Com, and for juniors (to be taken concurrently with Chemistry) who plan on taking AP Biology as a senior.

**GOODWILLIE  
SEMINAR - C450****ENVIRONMENTAL**

Open to grade 11, 12

Credit: .50

This .5 credit course is open to self-motivated juniors and seniors who have a desire to learn more about the environmental issues facing them locally, nationally and globally. The seminar is fortified with field trips, presenters, and projects all designed to encourage awareness, and provide ideas for getting involved in bettering our communities. Emphasis will be placed on experiential learning. The class will be held after school and on weekends throughout the year; ability to attend regularly is essential.

**ADVANCED PLACEMENT BIOLOGY - C501**

Open to grade 12

Credit: 2.00

Prerequisite: Biology or Chemistry with a grade of B+ or better.

Advanced Placement Biology is a year-long course for exceptionally motivated students who wish to earn college credit while still in high school. By showing themselves to be fully qualified by earning a 4 or 5 on the AP Biology examination, students can earn up to a full year's (2 semester) credit in college biology. AP Biology at Forest Hills Central is designed to help students achieve success on the exam, which is administered in mid-May. The course includes all topics which are typical of a freshman-level college course for biology majors. Particular points of emphasis include evolution and the role of DNA in living organisms. Twelve comprehensive labs are conducted to serve as an equivalent for lab work in a college completion of full year courses in biology and chemistry. Prior enrollment in Human Anatomy & Physiology is recommended but not required. As a two hour course, one credit will be awarded a letter grade while the accompanying lab component will be graded credit/no credit.

**ADVANCED PLACEMENT CHEMISTRY - C502**

Open to grade 12

Credit: 2.00

Prerequisite: Chemistry and FST with grades of B or better and teacher recommendation.

Advanced Placement Chemistry is the equivalent of a first year college chemistry course. The course is designed to prepare students for engineering or medical careers. The final outcome of the course is students' preparation to take the Advanced Placement Chemistry exam in May. This is a two hour course; one credit will be given a letter grade while the accompanying lab credit will be graded Credit/No Credit. **AP Chemistry will be offered during the school day** and not first and second hour.

**ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE - C550**

Open to grades 11, 12

Credit: 1.00

Prerequisite: Chemistry for seniors or taken concurrently for juniors.

Advanced Placement Environmental Science will be the equivalent of a one semester introductory college course in environmental science. It is unique in that it is quite interdisciplinary, drawing from such diverse departments as geology, chemistry, biology, geography and social studies. AP Environmental Science will "provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them." (The College Board, Advanced Placement Course Description, ETS and CEEB: 1996.) The year-long course will be open to juniors and seniors; the Goodwillie Environmental Seminar will be an optional follow-up senior year.

## SOCIAL STUDIES DEPARTMENT

| COURSE<br>NUMBER | TITLE                           | GRADE              | CREDIT | PREREQUISITE                              |
|------------------|---------------------------------|--------------------|--------|---|
|                  |                                 | LEVEL<br>AVAILABLE |        |   |
| E101             | Economics and Civics            | 9                  | .50    |   |
| E201             | U.S. History                    | 10                 | 1.00   |   |
| EA201            | U.S. History/English Bloc       | 10                 | 2.00   |   |
| E320             | World History                   | 10, 11, 12         | 1.00   |   |
| E340             | Political Geography/Inquiry     | 9, 10, 11, 12      | .50    |   |
| E345             | Current Events                  | 9, 10, 11, 12      | .50    |   |
| E350             | Interpersonal Relationships     | 11, 12             | .50    |   |
| E352             | Child Psychology/Development    | 9, 10, 11, 12      | .50    |   |
| E354             | Psychology                      | 11, 12             | .50    |   |
| E356             | Advanced Psychology             | 11, 12             | .50    | Psychology with grade of C or better      |
| E358             | Sociology                       | 11, 12             | .50    |   |
| E360             | Introduction to Philosophy      | 11, 12             | .50    |   |
| E370             | Macroeconomics                  | 11, 12             | .50    |   |
| E401             | Government                      | 11, 12             | .50    |   |
| E402             | U.S. Judicial Law               | 11, 12             | .50    |   |
| E404             | World Studies                   | 11, 12             | .50    |   |
| E450             | International Relations Seminar | 9, 10, 11, 12      | .50    | Instructor Approval                       |
| E500             | Advanced Placement U.S. History | 10, 11, 12         | 1.00   | Open to grade 10 with Instructor Approval |
| E501             | AP U.S. Government and Politics | 11, 12             | .50    |   |
| E502             | AP Comparative Government       | 11, 12             | .50    | Does not fulfill government requirement.  |

### ECONOMICS & CIVICS - E101

Open to grade 9

Credit: .50

This required course for freshmen students is designed to assist young people in becoming responsible citizens. Knowledge of economics will enable students to understand and consider potential implications of the basic scarcity problem faced by all societies. The course will introduce students to the basic concepts of economics such as personal budgeting, types of economic systems, scarcity and choices, the

principles of supply and demand, and government intervention in the economy including fiscal and monetary policy. In addition, students will study the structure and function of the federal, state, and local governments of the United States and the principles and values of democracy.

**U.S. HISTORY - E201**

Open to grade 10 Credit: 1.00

This course is required for all sophomore students. It is a general survey of United States history from post-Civil War to the present, viewed from an economic and geographic perspective. This course will focus on skills for responsible citizenship.

**U.S. HISTORY/ENGLISH 10 BLOC – EA201**

Open to grade 10 Credit: 2.00

This is a two credit course scheduled for two consecutive hours. Students receive both English and US History credits. In this bloc, history and literature are viewed as complementary, sharing common themes that serve as the basis for quarterly projects. These projects are cooperative in nature and involve both writing and presenting. Materials for both courses are essentially the same as those used in regular United States History and English 10. This block is a two hour course with students receiving both the required US history and English credits.

**ADVANCED PLACEMENT US HISTORY – E500**

Open to grade 11 and 12 Credit: 1.00

Open to grade 10 with counselor and instructor approval.

The Advanced Placement U.S. History course is a comprehensive, accelerated, college level survey course encompassing North American and United States history from the colonial era to the present. It is designed for students who have a serious interest in history and who have excellent language arts skills as extensive content area reading and writing are required. Students enrolled in this course will be encouraged to take the Advanced Placement US History examination which is given in the spring. A research project will also be assigned during the final marking period.

**WORLD HISTORY - E320**

Open to grades 10, 11, 12 Credit: 1.00

The ancient civilizations of Babylon, Egypt, Greece and Rome form the starting point of study for World History. The impact of Judaism, Christianity, Islam and other religions is studied along with major historical eras and events.

Emphasis on important world events of the 20<sup>th</sup> century concludes the course.

**POLITICAL GEOGRAPHY/INQUIRY - E340**

Open to grades 9, 10, 11, 12 Credit: .50

This course will take a detailed look at the modern world, its issues, and its processes from a geographical perspective. Areas to be studied include Africa, Asia, the Middle East, Central and South America, North America, Australia, and Europe. The study will emphasize geographical, cultural, economic, historical, and political changes in the many diverse societies of today's world. Topics will include cultural stability and change, economic development and international trade, resource use and environmental impact, as well as conflict and cooperation. Students will be expected to demonstrate competency in these areas and explain how they may affect the future.

**CURRENT EVENTS – E345**

Open to grades 9, 10, 11, 12 Credit: .50

This course would be a social, political, and geographic survey course of local and state events and concerns designed to generate a working understanding and participation in the world directly around students. The course will consist of speakers, readings, research, and correspondence with officials. There will be some required attendance at school board and city council meetings.

**INTERPERSONAL RELATIONSHIPS - E350**

Open to grades 11 and 12 Credit: .50

This course is designed to help prepare students for single life and/or marriage. Students will learn how to cope more effectively with feelings about themselves and others, to establish more satisfying relationships with people, and to make decisions about personal values which affect their lives. Units of study will include personal awareness/self concept, reproductive health, changing roles/lifestyles, building relationships, dating standards, mate selection, marriage customs/laws and marital adjustments. Social issues such as abuse/neglect, eating disorders, suicide, teen pregnancy and substance abuse are also addressed.

**CHILD PSYCHOLOGY & DEVELOPMENT**  
- E352

Open to grades 9, 10, 11, 12                      Credit: .50  
This is a one semester course which covers many aspects of development from birth through adolescence. Factors which influence the physical, emotional, social and mental health of children will be discussed. Students will be introduced to the theories of several child psychologists. Special units of study will focus on observing and interacting with children, special needs children and problem situations which young people may face such as abuse and divorce. Class activities will include discussion, reading, group projects, writing, videos and guest speakers. This course is recommended for students who are interested in children and in psychology.

**PSYCHOLOGY** - E354

Open to grades 11, 12                                      Credit: .50  
Psychology is an introductory survey course encompassing topics such as conditioning, learning, personality theory and development, abnormal behavior, personality assessment, stress, frustration, treatment of personality disorders, authority and obedience. Critical thinking, role playing, survey methods, debate and large and small group interaction are activities required for successful completion of this course.

**ADVANCED PSYCHOLOGY** - E356

Open to grades 11, 12                                      Credit: .50  
Prerequisite: Psychology with grade of C or better.  
Advanced Psychology is a follow-up course in psychology. Topics of perception, memory, bio-psychology and topics of social psychology, such as social behavior, individuality and conformity will be discussed. Conducting individual research assignments will be emphasized as well as debating controversial issues of psychology. Individuals will pursue areas of interest generated from their work in psychology.

**SOCIOLOGY** - E358

Open to grades 11, 12                                      Credit: .50  
This is an introductory survey course which examines the principles of sociology and the methodology of the sociologist. The course will examine groups, the group process and institutions and how they operate. Current controversial social issues may be discussed, such as substance abuse, crime, and death and dying. Critical thinking, role playing, survey methods, debate and large and small group interaction are activities required for successful completion of the course.

**INTRODUCTION TO PHILOSOPHY** - E360

Open to grades 11, 12                                      Credit: .50  
Introduction to Philosophy not only seeks to acquaint students with the basics of Western thought, but also seeks the outcome of the application of those basics to personal experience. We examine the foundations inherited from the Greeks. Through lectures, readings, movies, discussion and essays, students will examine, develop and refine their own philosophies of life. It is the goal of the course for students to work through such philosophical questions as “the meaning of life” or “what is truth”.

**MACROECONOMICS** - E370

Open to grades 11, 12                                      Credit: .50  
This class is designed as an introduction to Macroeconomics. This one semester course will emphasize the nature of economics, pure capitalism, demand and supply, and mixed capitalism. In addition, other concepts will be studied including key economic indicators, unemployment and inflation, monetary and fiscal policy, and money and banking in American capitalism. The role of the Federal Reserve will also be investigated. Students will work cooperatively to research and analyze current economic data, and then will develop presentations to recommend a specific course of national economic policy.

**GOVERNMENT - E401**

Open to grades 11 and 12                      Credit: .50  
 This required course is a study of the origins, functions and values of the American government and its institutions. The purpose of the course is to teach students to objectively analyze American institutions, the problems of governing, the role of government and the meaning of citizenship. The course is participatory and project-oriented. Students will participate in the planning and execution of such activities as a model congress, mock election and mock trial.

**U.S. JUDICIAL LAW - E402**

Open to grades 11 and 12                      Credit: .50  
 This one semester course focuses upon the American judicial system and the Bill of Rights. The American Federal system, state courts and the Constitution will be the basis for this course. Participation in the Michigan Law Related Education Project is required.

**ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS – E501**

Open to grades 11 and 12                      Credit: .50  
 This intense and demanding course studies the structures and functions of the American political and national governmental systems. While no minimum GPA is required for admittance, exceptional reading and writing skills are a must. The course text is a detailed and extensive 23 chapter college-level book. Additional readings will include journal, newspaper, and magazine articles. Students will average a multiple-choice test and one graded essay assignment a week related to chapter topics. Testing in the course will model the form and style of the actual Advanced Placement exam. A number of political videos and other political television programming will be used. The course will cover the following major content areas: constitutional underpinnings of democracy; political beliefs and behaviors of individuals; political parties and interest groups; campaigns and elections; the media; the structure and functions of the Congress, presidency, the bureaucracy and the judiciary; the theory and practice of public policy formation and implementation; and civil liberties and civil rights. Students in the course

will be expected to take the Advanced Placement US Government exam in May. This course may be taken in sequence with AP Comparative Government and Politics.

**WORLD STUDIES - E404**

Open to grades 11 and 12                      Credit: .50  
 Students will become aware of selected geographical, cultural, economic, political and trade relationships in the world. They will examine the economic problems of developing nations and the response of the United States to them. This course will be participatory and project oriented. Students will be involved in gathering information and illustrating projects, simulations, role playing and problem solving exercises. A primary course goal is to help students understand the realities of our interconnected world. World Studies is a required course.

**INTERNATIONAL RELATIONS SEMINAR - E450**

Open to grades 9, 10, 11, 12                      Credit: .50  
 Instructor approval required.  
 The purpose of this course is to give interested students an opportunity to examine the foreign policies of many nations and political blocs operating today. Students learn about the foreign policy of many of the countries in the world and gain an understanding of the most critical world issues. The content of the course will be determined by the agenda of the United Nations. Lectures, discussions, speakers, videos, etc., will be used to instruct the class. However, the most significant teaching method will be the debate process of the United Nations. Developing and using substantive research and writing skills are expected. This course is taught in the evening and, because it begins in the first semester and concludes after the start of second semester, the earned grade and one-half credit will be given at the end of the school year to those successfully completing the course. **Students who are involved in a number of after-school activities need to be certain their schedules will allow full and timely participation and attendance.** Attendance at two overnight Model United Nations conferences are required and students are required to pay their own conference, travel and lodging expenses.

**ADVANCED PLACEMENT  
COMPARATIVE GOVERNMENT AND  
POLITICS – E502**

Open to grades 11 and 12      Credit: .50

The Advanced Placement Comparative Government and Politics course is an intense and demanding examination of the world's diverse political structures and practices. The course will encompass the study both of specific countries and of general concepts used to interpret the key political relationships found in all national polities. Five countries form the core of the examination. Four of these nations are Great Britain, France, Russia, and China. These states are included because they are commonly covered in college comparative politics courses and provide paradigms of different types of political systems. The inclusion of a developing nation allows the political implications of different levels of economic development to be examined. For the fifth nation, the course will focus on one of the following: India, Mexico, or Nigeria. While no minimum GPA is required for admittance, exceptional reading and writing skills are a must. The course text is a college-level comparative government book, which we will cover in its entirety. Additional readings will include journal, newspaper, and magazine articles from both hard copy and digital resources. Students will average one multiple choice test and one graded essay assignment a week related to chapter topics. Testing in the course will model the form and rigor of the actual Advanced Placement exam. A number of political videos and other political television programming will be used. The course will cover the following major content areas: the sources of public authority and political power; the relationship between state and society; the relationships between citizens and states; political change; and the comparative method. Students in the course will be expected to take the Advanced Placement Comparative Government and Politics in May. This course may also be taken in sequence with AP US Government and Politics. It does not fulfill the government graduation requirement.



## SPECIAL EDUCATION DEPARTMENT

| COURSE<br>NUMBER TITLE  | GRADE<br>LEVEL                   | AVAILABLE     | CREDIT | PREREQUISITE                              |
|---|----------------------------------|---------------|--------|---|
| All of the Special Education courses are available only to students who have been identified as having special needs. |                                  |               |        |   |
| S100  | Academic Strategies              | 9, 10, 11, 12 | 1.00   | Current IEP                               |
| S200  | Advanced Academic Strategies     | 10, 11, 12    | 1.00   | Academic Strategies & Current IEP         |
| S300  | Academic Support                 | 10, 11, 12    | 1.00   | Academic Strategies & Current IEP         |
| S202  | Strategies for Transition        | 9, 10, 11, 12 | 1.00   | Current IEP or Teacher Permission         |
| S204  | Reading Interventions            | 9, 10, 11, 12 | 1.00   | Current IEP or Teacher Permission         |
| S206  | Writing Strategies               | 9, 10, 11, 12 | 1.00   | Current IEP or Teacher Permission         |
| S208  | Reading Comprehension Strategies | 9, 10, 11, 12 | 1.00   | Current IEP or Teacher Permission         |
| S290  | Community Based Instruction      | 9, 10, 11, 12 | 1.-3.  | Current IEP                               |
| S390  | Kent Transition Center           | 9, 10, 11, 12 | 3.00   |   |
| S401  | Work Study II                    | 10, 11, 12    | 2.00   | Current IEP; student must be 16 years old |
| S402  | Work Study I                     | 10, 11, 12    | 1.00   | Current IEP; student must be 16 years old |

### ACADEMIC STRATEGIES - S100

Open to grades 9, 10, 11, 12      Credit: 1.00  
 All ninth grade students and/or new students placed in the resource program are required to take this course. Eligibility for the program will be determined by an Individualized Educational Planning Committee (IEPC).  
 This resource program is designed to develop students' organizational and time management skills to improve assignment completion. Students in this program will monitor their progress in their classes by completing weekly progress reports. In addition, students will be taught specific learning strategies that have been developed to teach students "how to learn". The Strategic Instruction Model will be taught to provide students with the necessary learning strategies that will allow them to become independent, active learners. Some of the areas that will be covered are understanding one's learning style, test taking strategies, memorization techniques, reading comprehension skills, self-advocacy, and transition planning.

### ADVANCED ACADEMIC STRATEGIES – S200

Open to grades 10, 11, 12      Credit: 1.00  
 Prerequisite: Academic Strategies and Current Individual Educational Plan (IEP).  
 Advanced Academic Strategies is recommended for resource students in grades 10, 11, and 12. This course reinforces basic strategies learned in Academic Strategies such as test taking, reading comprehension, memory strategies, and decoding skills. The emphasis of Advanced Strategies will be on students acquiring, applying, and adapting additional effective and efficient learning strategies. Self-evaluation, self-advocacy, personal responsibility, effective problem solving, goal setting, and transition planning will also be addressed. Organization and time management skills will be emphasized as students work to become more active and independent learners. Students will have time to practice applying strategies they have learned to current coursework.

### **ACADEMIC SUPPORT – S300**

Open to grades 10, 11, 12                      Credit: 1.00  
Prerequisite: Academic Strategies and current IEP.

Students will receive assistance in strengthening organizational skills, time management techniques, and class work completion. Students will be expected to maintain a daily planner and monitor their progress in their classes through the completion of weekly progress reports.

### **STRATEGIES FOR TRANSITION – S202**

Open to grades 9, 10, 11, 12                      Credit: 1.00  
Prerequisite: Current IEP or permission of Special Education Department.

Strategies for Transition is recommended for students in grades 9, 10, 11, and 12 who need to further develop their skills in reading and/or written language, communicating their needs, resolving conflicts, and identifying future goals. The class will focus on how to advocate effectively through written and verbal means. Emphasis will be placed on developing effective self-advocacy skills, transition planning, and development of effective learning skills and strategies. This course will assist students in understanding their specific disability and planning for post-graduation success. Students will have time to practice applying strategies they have learned to current coursework.

### **READING INTERVENTIONS – S204**

Open to grades 9, 10, 11, 12                      Credit: 1.00  
Prerequisite: Current IEP or permission of Special Education Department.

This reading course is designed for the motivated student who is serious about improving his/her basic reading skills before leaving high school. The *Language! Literacy Intervention Curriculum* is used in this course to develop proficient literacy skills; direct instruction methods are used to develop language skills following a sequential, cumulative format. Although the primary emphasis is to develop effective decoding skills, the curriculum also includes spelling, reading comprehension, composition, vocabulary, grammar usage, and language skills. A pretest is used to place students at the appropriate point in the curriculum although most will begin with Level 1. A student beginning in Level 1 could take up to three years to complete the curriculum.

### **WRITING STRATEGIES – S206**

Open to grades 9, 10, 11, 12                      Credit: 1.00  
Prerequisite: Current IEP or permission of Special Education Department.

Writing Strategies is recommended for students who wish to improve their written language skills. Strategies from the Strategic Instruction Model will be used to teach students to write better sentences, paragraphs, essays, and to edit their work. Strategies taught in the class include PENS, SCRIBE, INSPECT, TOWER, and Error Monitoring. Strategies are first practiced in materials at the student's instructional level; once students become fluent in performing the strategy in easier material, the focus of instruction becomes application of the strategy to "real" life tasks. Rate of mastery varies from student to student; therefore, students may take the class for one or more semesters.

### **READING COMPREHENSION STRATEGIES – S208**

Open to grades 9, 10, 11, 12                      Credit: 1.00  
Prerequisite: Current IEP or permission of Special Education Department.

Reading Strategies is recommended for students that possess functional decoding skills but struggle to comprehend what they read. Strategies from the Strategic Instruction Model will be used to help students become more strategic readers and thus, improve their understanding of what they read. Visual imagery, self-questioning, paraphrasing, and note-taking and highlighting are included in this course. Strategies are first practiced in materials at the student's instructional level; once students become fluent in performing the strategy in easier material, the focus of instruction becomes application of the strategy to "real" life tasks. Rate of mastery varies from student to student; therefore, students may take the class for one or more semesters.

**COMMUNITY BASED INSTRUCTION – S290**

Open to grades 9, 10, 11, 12 Credit: 1.00-3.00  
This vocational training program provides community based placement including on-the-job training and support for special education students. IEP team recommendation is necessary to enroll.

**KENT TRANSITION CENTER – S390**

Open to grades 9, 10, 11, 12 Credit: 3.00  
Kent Transition Center (KTC) offers adaptive vocational and career services. The career clusters are Agriscience, Building Maintenance, Construction, Hospitality, Manufacturing, Nurse Aide, Retail, and Transportation.

**WORK STUDY II AND I**

Open to grades 10, 11, 12. Students must be 16 years old, have teacher recommendation, and current IEP reflecting this course selection.

Work Study I and II are work experience courses directly related to occupational pursuits. It is strongly recommended the student be enrolled in a career cluster at either KCTC or KTC. The IEP team must recommend Work Study as part of the student's educational plan. A training agreement will be filed with the employer and time sheets with employer's signature are required to verify hours worked.

**WORK STUDY II – S401** Credit: 2.00  
15 hours work per week, 270 hours per semester

**WORK STUDY I – S402** Credit: 1.00  
10 hours work per week, 180 hours per semester

## SPECIAL OPPORTUNITIES

| COURSE<br>NUMBER | TITLE                  | GRADE              | CREDIT   | PREREQUISITE                     |
|------------------|------------------------|--------------------|----------|----------------------------------|
|                  |                        | LEVEL<br>AVAILABLE |          |                                  |
| M110             | Office Aide            | 10, 11, 12         | .50      |                                  |
| M120             | Teacher Aide           | 10, 11, 12         | .50      |                                  |
| M130             | Media Aide             | 10, 11, 12         | .50      |                                  |
| M140             | Technical Aide         | 10, 11, 12         | .50      |                                  |
| M150             | LINK Experience        | 9, 10, 11, 12      | .50      | Offered for 1 semester only      |
| M200             | Independent Study      | 12                 | .50      |                                  |
| M300             | PreTeaching Experience | 12                 | .50      | Offered for 1 semester only      |
| M400             | Dual Enrollment        | 11, 12             | .50      | Counselor and principal approval |
| R100             | Tools for Success      | 9, 10, 11, 12      | 1.00     | Formal diagnosis of ADHD         |
| R400             | Just In Time           | 12                 | 1.50     |                                  |
| R410             | Mentorship             | 12                 | .50/sem  | Teacher Permission               |
| R415             | Internship             | 12                 | 1.00/sem | Teacher Permission               |

All of the above courses except Tools for Success and Career Explorations require permission from an office supervisor, media specialist or teacher and counselor. A contract form, available in the Guidance Office, must be completed and all signatures obtained before scheduling. It is the student's responsibility to schedule these courses with the teacher. All courses are available for credit/no credit only, except Tools for Success and Career Explorations, which are available for a letter grade.

|      |                               |        |      |                                     |
|------|-------------------------------|--------|------|-------------------------------------|
| G390 | Kent Career/Technical Center  | 11, 12 | 3.00 |                                     |
| G401 | Cooperative Education (Co-op) | 11, 12 | 2.00 | Concurrently taking Marketing       |
| G402 | Work Experience               | 11, 12 | 1.00 | Concurrently taking a related class |

Vocational opportunities in Forest Hills are available and students will not be discriminated against because of limited English speaking skills.

### OFFICE AIDE – M110

Open to grades 10, 11, 12                      Credit: .50  
 Prerequisite: Good attendance record and permission of office supervisor and administrator. Office aides assist personnel in the various school offices. Aides will perform such tasks as compiling daily absentee reports, answering the telephone, filing, delivering messages, doing copy work, assisting at the office counter, generally helping wherever needed and, if qualified, operating office computers. Office aides are selected on the basis of trustworthiness and reliability. A good attendance record is essential. A contract form must be completed and signed by all parties before scheduling.

### TEACHER AIDE – M120

Open to grades 10, 11, 12  
 The teacher aide experience will give students who have a related career interest an opportunity to explore that career field. Interested students should make arrangements with the appropriate teacher, complete a contract with the teacher (available from the guidance office) and submit the contract to the guidance office for principal and counselor approval.

**MEDIA AIDE – M130**

Open to grades 10, 11, 12                      Credit: .50

Prerequisite: Media Specialist permission.

Media aides are responsible for circulating books, magazines and pamphlets and returning materials to the shelves. Students will learn how the Media Center is organized, how to use informational tools and research skills. Students who wish to be media aides must have at least a C average and a good attendance record. A contract form must be complete and all signatures obtained before scheduling.

**TECHNICAL AIDE – M140**

Open to grades 10, 11, 12                      Credit: .50

Prerequisite: Media Specialist permission.

Technical aides will learn many aspects of Central High School's audiovisual operations through assisting the media center technician and doing supportive activities in the computer lab. Students must have basic technical skills and a desire to learn advanced skills in video, audio and computer technologies. A contract form must be completed and signed by all concerned before scheduling.

**LINK EXPERIENCE – M150**

Open to grades 9, 10, 11, 12                      Credit: .50

Students interested in teaching as a career have the opportunity for a supervised, practical experience in working with autistically impaired students. Students are placed in the autistically impaired classroom at Central High. The LINK student's duties should go beyond clerical duties and will include working with students on an individual basis, in general education, inclusion situations, and on community based outings. The LINK must be a positive role model and attendance is strictly enforced. The LINK will be asked to give a brief talk to another class of their choice by the end of the semester describing his/her experience. A grade of credit/no credit will be granted by the supervising teacher. Students may register for one semester only of LINK Experience.

**INDEPENDENT STUDY – M200**

Open to grade 12

Independent study provides students with the opportunity to take a course of study outside the limits of the formal curriculum. This experience

is under the supervision of one teacher in an area of learning specifically suited to the student's needs and interests. Students wishing to contract for independent study should contact the counselor, make arrangements with the appropriate teacher, complete a contract with the teacher (available from the guidance office) and submit the contract to the guidance office for principal and counselor approval. Independent Studies are graded Credit/No Credit only.

**PRETEACHING EXPERIENCE – M300**

Open to grade 12                                      Credit: .50

Seniors interested in teaching as a career have the opportunity for a supervised, practical experience in working with younger children. Students are placed in an elementary school, middle school or a pre-school. The high school student's duties should go beyond clerical duties and may include working with children on an individual basis, small groups, or on various projects as the teacher deems appropriate. The high school student is responsible to arrange transportation and attendance is strictly enforced. A grade of Credit/No Credit will be granted by the supervising teacher. Because of the interest in this course, students may register for one semester only of pre-teaching.

**DUAL ENROLLMENT – M400**

Open to grades 11, 12

Juniors and seniors who meet certain eligibility requirements may be permitted to take approved college courses, with the school district paying part of the expenses. Students and parents should consider carefully, with the help of a counselor, the benefits and risks of early college enrollment. The Dual Enrollment program is described in greater detail on page 77 and 78.

**TOOLS FOR SUCCESS - R100**

Open to grades 9, 10, 11, 12                      Credit: 1.00

Formal diagnosis of ADHD required.

This class will offer students an opportunity to develop the organizational skills that are important to academic success. Students will be shown tools and strategies that will enable them to increase their work completion rate, meet assignment deadlines and become more proactive in the school setting.

**JUST IN TIME – OFF SITE CAREER PARTNERSHIP SEMINAR – R400**

This one semester, three hour, off campus, learning experience is designed to provide an opportunity for seniors to take all they have learned over the last 12 ½ years and apply it in real world settings. The focus is career exploration and skill development critical to being a successful, productive adult as well as understanding personal skills, talents and interests. This will be done with the help of community mentors. Just in Time (J.I.T.) allows students to be active learners, work individually and in teams, work with adult mentors in a community setting, and practice communication skills. Students will be evaluated based on their experiences using a combination of reflective writing and discussion activities. The class meets at various community businesses for three hours each day. Students will receive 1.50 credits and a letter grade upon successful completion of the course.

*"This has been a very informative class-it totally helps prepare you for what you are going to face in the real world after high school."* Forest Hills Senior, 2000

**KENT CAREER/TECHNICAL CENTER - G390**

See pages 81-82.

**COOPERATIVE STUDY (CO-OP) - G401**

See Business Department, page 33.

**WORK EXPERIENCE - (G402)**

See Business Department, page 33.

**MENTORSHIP – R410 Credit: .50/semester**  
**INTERNSHIP – R415 Credit: 1.0/semester**

Mentorship opportunities are available to juniors and seniors who are interested in an in-depth learning experience in a career field where they have special interest. These are unique experiences that are not available in our regular curriculum offerings. Students are expected to spend a minimum of 90 hours a semester in the learning environment. The actual time schedule and expectations that relate to learning will be worked out between the business mentor and the student. Students are expected to complete projects throughout the experience and write a paper at the end of the semester reflecting on the learning that took place. This paper will be given to the school coordinator and ultimately placed in the student's permanent file. The student will receive .5 credits per semester for this experience.

Internship opportunities have the same expectations as a mentorship but require a minimum of 180 hours a semester at the learning site. The students are required to complete more substantial projects and have additional learning experiences, differing from those of a mentorship. Students will receive 1 credit per semester for this experience.

**ON-LINE COURSES**

Both regular high school courses and Advanced Placement courses are offered on line, through the Michigan Virtual University, Michigan Virtual High School ([www.mivhs.org](http://www.mivhs.org)) and other institutions. It is essential that students interested in on line courses discuss their interests with their counselor. In most cases, the cost of these courses will have to be paid by the student.

# **DUAL ENROLLMENT**

## **INTRODUCTION**

The Postsecondary Enrollment Options Act and the Career and Technical Preparation Act provide for high school juniors and seniors who meet certain requirements to take eligible college courses and to have at least a portion of the costs paid by Forest Hills Public Schools.

## **ELIGIBLE STUDENTS**

1. A student in grade 11 or 12 who has achieved state endorsement in all subject areas of the Michigan Educational Assessment Program (MEAP) is eligible. A student in grade 11 or 12 who has taken MEAP but not yet achieved state endorsement in all areas, may be eligible for college courses in the subject area(s) in which he or she has earned state endorsements, in computer science or in foreign language courses not offered by Forest Hills, and in fine arts programs as permitted by the school district. A student may be eligible for a career and technical preparation course if he or she has earned a state endorsement in mathematics.

**Note:** A parent or guardian of a student in grade 10 or 11 may request in writing that the student be allowed to take the MEAP early for the purpose of qualifying for dual enrollment.

2. Students must be enrolled in at least one class in the high school during each semester they wish to participate in the dual enrollment program.
3. This act does not apply to courses taken in addition to full time enrollment at the high school. Any combination of high school courses and eligible college courses equaling six courses is considered full time enrollment.
4. State pupil accounting rules require that, in most cases, students be enrolled in at least six classes each semester. Students taking eligible courses under this act must have a combined high school and college class load of at least five courses. If a student takes high school and college courses totaling six courses, any additional college courses will not be eligible for tuition support.

## **ELIGIBLE COURSES**

Courses offered by state colleges or universities, community colleges, or independent nonprofit degree-granting colleges or universities in Michigan, subject to the following:

1. The course is not offered by the Forest Hills Public Schools or by programs considered an extension of FHPS, such as Kent Career/Technical Center;
2. The course is offered by the school district but is determined by the Administration to be unavailable to the student due to a scheduling conflict beyond the student's control; and

3. The course is one that the college normally applies toward satisfaction of degree, certificate or program requirements, and is not an activity course, a hobby craft or recreational course, a course in physical education, theology, divinity or religious education

### **CREDIT**

At the time of enrollment the student will designate, for each eligible course, whether he or she wishes to take the course for high school credit, college credit, or both.

College courses taken for high school credit will be shown on the high school transcript as Credit or No Credit; no grade will be recorded, but credit will be counted toward graduation requirements.

### **TUITION AND FEE SUPPORT**

If all of the above conditions are satisfied, the school district will pay the lesser of:

- The tuition, mandatory course fees, materials fees and registration fees required by the college (this does not include the application fee); or
- The state portion of the student's foundation allowance, prorated according to the number of classes taken in the high school and at the college. For 2001-02 the foundation allowance was about \$7700 per year, or \$3850 per semester. An eligible student taking two eligible college courses and four high school courses would be entitled to a maximum of about \$1283 (2/6 of \$3850) per semester.

The college will bill the school district for the district's portion of the costs each semester. The student will be billed for any remaining charges. If a student enrolls in but does not finish a career and/or technical preparation course, he/she is responsible for reimbursing the school district for any costs incurred by the district.

### **COUNSELING**

Approval must be secured **each semester** before a student enrolls in a college course. Students and parents should arrange to meet with the designated counselor at the high school well in advance of the college registration period. Students are also urged to seek the advice of a counselor at the college and to clearly understand course drop and add dates/requirements to avoid future credit or financial complications.



## KENT CAREER/TECHNICAL CENTER

| COURSE<br>NUMBER TITLE            | GRADE<br>LEVEL<br>AVAILABLE | CREDIT |
|-----------------------------------|-----------------------------|--------|
| G390 Kent Career/Technical Center | 11, 12                      | 3.00   |

The Kent Career/Technical Center, located at 1655 East Beltline NE (north of Leonard), offers training in over thirty career areas to juniors and seniors from the school districts in Kent County. Classes meet 2¼ hours per day, five days a week, throughout the school year. Students earn three credits per year for successful completion of course requirements. No tuition is charged.

Round trip bus transportation between the high school and the Career/Technical Center will be available, barring unforeseen circumstances.

Since the number of students interested in a program may be greater than the number of openings available, the school cannot promise placement to everyone who applies. Students who will be juniors will generally be given priority for two-year courses; and seniors for one-year courses.

**Students who wish to attend the Kent Career/Technical Center must complete the application that is available in the guidance office. Students must arrange a required internship visit to KC/TC before they may register for a course; it is essential that these arrangements be made early, preferably by late February. KC/TC openings are filled county-wide on a first come, first served basis.**

### SESSION TIMES

|                                |  |
|--------------------------------|--|
| <b>1<sup>st</sup> Session:</b> | <b>6:55 a.m. - 9:10 a.m.</b>                     |
| <b>2<sup>nd</sup> Session:</b> | <b>9:15 a.m. - 11:30 a.m.</b>                    |
| <b>3<sup>rd</sup> Session:</b> | <b>11:50 a.m. - 2:05 p.m.</b>                    |
| <b>4<sup>th</sup> Session:</b> | <b>2:00 p.m. - 4:50 p.m. (Monday - Thursday)</b> |

The course offerings according to the Michigan six career pathways are:

#### ARTS AND COMMUNICATIONS CAREER PATHWAY

##### **Graphic Communication Cluster**

- Graphic Design/Production I
- Graphic Design/Production II
- Graphic Design/Production III
- Graphic Design/Production IV

##### **Regional Theatre Technology**

#### BUSINESS, MANAGEMENT, MARKETING, TECHNOLOGY CAREER PATHWAY

##### **Business Service Technologies Cluster**

- Accounting Online
- Certified Business Tech
- Oracle: SQL/Data Modeling Java
- Computer Network Technologies
- Computerized Accounting
- Computerized Banking
- Marketing/Entrepreneurship/Business Management
- Microsoft Office Certification

ENGINEERING/MANUFACTURING AND  
INDUSTRIAL TECHNOLOGY CAREER  
PATHWAY

**Construction Technology Cluster**  
Applied Construction Technology

**Electromechanical Cluster**  
Electronics  
Environmental Mechanics  
Industrial Electricity

**Graphic Information Systems**

**Manufacturing Technology Cluster**  
CAM/CNC/Machining  
Engineering Drafting/CAD  
Plastics Technology  
Pre-Engineering  
Wood Products Manufacturing

**Transportation Technology Cluster**  
Auto Collision Repair  
Automotive Technology  
Aviation Maintenance Technology  
Diesel and Equipment Technology  
Lawn, Cycle and Marine Mechanics

HEALTH SCIENCES CAREER PATHWAY

**Health Careers Cluster**  
Health Careers

HUMAN SERVICES CAREER PATHWAY

**Cosmetology Services Cluster**  
Cosmetology  
Esthetics  
Nail Technology

**Hospitality Cluster**  
Banking  
Culinary Arts  
Hospitality Management

NATURAL RESOURCES AND  
AGRISCIENCE CAREER PATHWAY

**Agriscience Cluster**  
Agriscience

## **CENTRAL HIGH SCHOOL CLUBS AND CO-CURRICULAR ACTIVITIES**

Bowling  
Close-up Program  
Debate Team  
DECA (Distributive Education Clubs of America)  
Diversity Club  
Equestrians  
Intramural Program  
Job Shadow  
Junior Achievement  
Junior Varsity Crew  
Junior Varsity Hockey  
Junior Varsity Lacrosse  
Multicultural Youth Ambassadors  
National Honor Society  
Odyssey of the Mind  
PALS (Peer Assistant Leaders)  
Pep Club  
Rugby  
SADD (Students Against Destructive Decisions)  
School musical and drama  
Science Olympiad  
Ski Club  
Student Council  
Volunteer Program

In addition, each of the four classes elects class officers and sponsors student activities during the school year.

## **CENTRAL HIGH SCHOOL ATHLETIC ACTIVITIES**

### **FALL SPORTS**

|                       |                       |
|-----------------------|-----------------------|
| Basketball (Girls)    | PomPon                |
| Cross Country (Girls) | Sideline Cheerleading |
| Cross Country (Boys)  | Soccer (Boys)         |
| Football              | Swimming (Girls)      |
| Golf (Boys)           | Tennis (Girls)        |

### **WINTER SPORTS**

|                          |                    |
|--------------------------|--------------------|
| Basketball (Boys)        | Skiing (Boys)      |
| Competitive Cheerleading | Skiing (Girls)     |
| Gymnastics (Girls)       | Swimming (Boys)    |
| Hockey                   | Volleyball (Girls) |
| Sideline Cheerleading    | Wrestling          |

### **SPRING SPORTS**

|                 |                         |
|-----------------|-------------------------|
| Baseball (Boys) | Softball (Girls)        |
| Crew (Boys)     | Track and Field (Boys)  |
| Crew (Girls)    | Track and Field (Girls) |
| Golf (Girls)    | Tennis (Boys)           |
| Lacrosse        | Water Polo (Girls)      |
| Soccer (Girls)  |                         |

## INDEX BY DEPARTMENT

| COURSE<br>NUMBER           | TITLE                            | LEVEL<br>AVAILABLE | CREDIT | PAGE<br>NUMBER |
|----------------------------|----------------------------------|--------------------|--------|----------------|
| <b>ART DEPARTMENT</b>      |                                  |                    |        |                |
| L109                       | Art Survey                       | 10, 11, 12         | .50    | 27             |
| L110                       | Introduction to Art              | 9, 10, 11, 12      | 1.00   | 27             |
| L111                       | Crafts                           | 10, 11, 12         | .50    | 28             |
| L112                       | Drawing and Painting             | 10, 11, 12         | .50    | 28             |
| L113                       | Sculpture and Ceramics           | 10, 11, 12         | .50    | 28             |
| L114                       | Photography and Graphic Design   | 10, 11, 12         | .50    | 28             |
| L115                       | Photo & Graphic Design II        | 10, 11, 12         | .50    | 28             |
| L116                       | Photo & Graphic Design III       | 11, 12             | .50    | 29             |
| L500                       | Advanced Placement Studio Art    | 12                 | 1.00   | 29             |
| <b>BUSINESS DEPARTMENT</b> |                                  |                    |        |                |
| G110                       | Introduction to Business         | 9, 10              | .50    | 31             |
| G112                       | Business Communications          | 10, 11, 12         | .50    | 31             |
| G114                       | Computerized Accounting I        | 10, 11, 12         | .50    | 31             |
| G116                       | Computerized Accounting II       | 11, 12             | .50    | 31             |
| G118                       | Business Law                     | 11, 12             | .50    | 31             |
| G120                       | Personal Finance                 | 11, 12             | .50    | 31             |
| G130                       | Introduction to Marketing        | 10, 11, 12         | .50    | 32             |
| G132                       | Entrepreneurial Marketing        | 10, 11, 12         | .50    | 32             |
| G230                       | Marketing Management             | 11, 12             | 1.00   | 32             |
| G401                       | Cooperative Education (Co-op)    | 11, 12             | 2.00   | 33             |
| G402                       | Work Experience                  | 11, 12             | 1.00   | 33             |
| G122                       | Computer Literacy                | 9, 10, 11, 12      | .50    | 35             |
| G220                       | Personal Computing               | 9, 10, 11, 12      | .50    | 35             |
| G222                       | Computer Information Systems I   | 9, 10, 11, 12      | .50    | 35             |
| G322                       | Computer Information Systems II  | 9, 10, 11, 12      | .50    | 35             |
| G422                       | Computer Information Systems III | 9, 10, 11, 12      | 1.00   | 36             |
| G430                       | Computer Science Programming     | 9, 10, 11, 12      | .50    | 36             |
| G530                       | Adv Placement Computer Science   | 11, 12             | .50    | 36             |
| G450                       | CISCO Networking I               | 10, 11, 12         | .50    | 37             |
| G452                       | CISCO Networking II              | 11, 12             | .50    | 37             |
| G432                       | Microsoft Professional Block     | 11, 12             | 2.00   | 37             |
| G434                       | Microsoft Professional I         | 10, 11, 12         | 1.00   | 37             |
| G436                       | Microsoft Professional II        | 11, 12             | 1.00   | 37             |

| <b>COURSE<br/>NUMBER</b> | <b>TITLE</b> | <b>LEVEL<br/>AVAILABLE</b> | <b>CREDIT</b> | <b>PAGE<br/>NUMBER</b> |
|--------------------------|--------------|----------------------------|---------------|------------------------|
|--------------------------|--------------|----------------------------|---------------|------------------------|

**COMMUNICATION DEPARTMENT**

|      |                          |               |      |    |
|------|--------------------------|---------------|------|----|
| H200 | Communication            | 10, 11, 12    | .50  | 39 |
| H222 | Forensics                | 9, 10, 11, 12 | .50  | 39 |
| H330 | Basic Debate             | 9, 10, 11, 12 | .50  | 40 |
| H332 | Telecommunication        | 10, 11, 12    | .50  | 40 |
| H100 | Theatre                  | 9, 10, 11, 12 | .50  | 40 |
| H101 | Advanced Theatre         | 9, 10, 11, 12 | .50  | 40 |
| H331 | Strategic Debate         | 10, 11, 12    | .50  | 40 |
| H350 | TV Broadcast Lab         | 11, 12        | 1.00 | 41 |
| H360 | Movies and Film Projects | 11, 12        | .50  | 41 |

**ENGINEERING, MANUFACTURING, AND INDUSTRIAL TECHNOLOGY DEPARTMENT**

|      |                                    |               |      |    |
|------|------------------------------------|---------------|------|----|
| I100 | Survey of Technical Design         | 9, 10, 11, 12 | 1.00 | 42 |
| I110 | Bench Woodworking                  | 9, 10, 11, 12 | .50  | 42 |
| I210 | Power Mechanics                    | 9, 10, 11, 12 | .50  | 42 |
| I220 | Woodworking Technology I           | 10, 11, 12    | 1.00 | 42 |
| I320 | Woodworking Technology II          | 11, 12        | 1.00 | 42 |
| I420 | Woodworking Technology III         | 12            | 1.00 | 42 |
| I140 | Architectural Rendering and Design | 9, 10, 11, 12 | .50  | 43 |
| I240 | Intro to Mechanical Drawing/CAD    | 9, 10, 11, 12 | .50  | 43 |
| I160 | Technical Drawing I                | 10, 11, 12    | 1.00 | 43 |
| I260 | Technical Drawing II               | 11, 12        | 1.00 | 43 |
| I360 | Technical Drawing III              | 12            | 1.00 | 43 |

**FOREIGN LANGUAGE DEPARTMENT**

|       |                              |               |      |    |
|-------|------------------------------|---------------|------|----|
| F110  | Conversational French        | 9, 10, 11, 12 | 1.00 | 45 |
| F1110 | French I                     | 9             | 1.00 | 45 |
| F111  | French I                     | 9, 10, 11, 12 | 1.00 | 46 |
| F210  | French I/II                  | 9, 10, 11, 12 | 1.00 | 46 |
| F211  | French II                    | 9, 10, 11, 12 | 1.00 | 46 |
| F311  | French III                   | 10, 11, 12    | 1.00 | 46 |
| F411  | French IV                    | 11, 12        | 1.00 | 46 |
| F511  | Advanced Placement French V  | 12            | 1.00 | 46 |
| F1210 | Spanish I                    | 9             | .50  | 47 |
| F121  | Spanish I                    | 9, 10, 11, 12 | 1.00 | 47 |
| F220  | Spanish I/II                 | 9, 10, 11, 12 | 1.00 | 47 |
| F221  | Spanish II                   | 9, 10, 11, 12 | 1.00 | 47 |
| F321  | Spanish III                  | 10, 11, 12    | 1.00 | 47 |
| F421  | Spanish IV                   | 11, 12        | 1.00 | 47 |
| F521  | Advanced Placement Spanish V | 12            | 1.00 | 47 |
| F341  | Latin III                    | 11, 12        | 1.00 | 48 |
| F541  | Latin IV AP                  | 12            | 1.00 | 48 |
| F151  | Japanese I                   | 9, 10, 11, 12 | 1.00 | 48 |
| F251  | Japanese II                  | 10, 11, 12    | 1.00 | 48 |
| F351  | Japanese III                 | 11, 12        | 1.00 | 48 |
| F451  | Japanese IV                  | 12            | 1.00 | 48 |

| <b>COURSE<br/>NUMBER</b>        | <b>TITLE</b>                         | <b>LEVEL<br/>AVAILABLE</b> | <b>CREDIT</b> | <b>PAGE<br/>NUMBER</b> |
|---------------------------------|--------------------------------------|----------------------------|---------------|------------------------|
| <b>LANGUAGE ARTS DEPARTMENT</b> |                                      |                            |               |                        |
| A100                            | Applied English 9                    | 9                          | 1.00          | 50                     |
| A101                            | English 9                            | 9                          | 1.00          | 50                     |
| A102                            | Honors English 9                     | 9                          | 1.00          | 50                     |
| A200                            | Applied English 10                   | 10                         | 1.00          | 50                     |
| A201                            | English 10                           | 10                         | 1.00          | 50                     |
| AE201                           | English 10/US History                | 10                         | 2.00          | 50                     |
| A202                            | Honors English 10                    | 10                         | 1.00          | 50                     |
| A320                            | High School Reading Strategies       | 10, 11, 12                 | .50           | 51                     |
| A300                            | Applied English 11                   | 11                         | 1.00          | 51                     |
| A301                            | English 11                           | 11                         | 1.00          | 51                     |
| A302                            | Honors English 11                    | 11                         | 1.00          | 51                     |
| A406                            | Shakespeare                          | 11, 12                     | .50           | 51                     |
| A400                            | Senior Applied and Technical English | 12                         | .50           | 52                     |
| A402                            | World Literature I                   | 12                         | .50           | 52                     |
| A404                            | World Literature II                  | 12                         | .50           | 52                     |
| A420                            | College Reading Strategies           | 12                         | .50           | 52                     |
| A422                            | Senior Composition                   | 12                         | .50           | 52                     |
| A424                            | Creative Writing                     | 12                         | .50           | 52                     |
| A500                            | Advanced Placement English           | 12                         | 1.00          | 52                     |
| A325                            | Yearbook Journalism                  | 11, 12                     | 1.00          | 53                     |
| A326                            | Journalism I                         | 9, 10, 11, 12              | .50           | 53                     |
| A328                            | Advanced Journalism                  | 10, 11, 12                 | 1.00          | 53                     |
| <b>MATHEMATICS DEPARTMENT</b>   |                                      |                            |               |                        |
| B100                            | Applied Math I                       | 9, 10, 11, 12              | 1.00          | 55                     |
| B200                            | Applied Math II                      | 10, 11, 12                 | 1.00          | 55                     |
| B101                            | Pre-algebra                          | 9                          | 1.00          | 55                     |
| B102                            | High School Algebra                  | 9, 10, 11, 12              | 1.00          | 55                     |
| B103                            | Algebra                              | 9, 10, 11, 12              | 1.00          | 55                     |
| B104                            | Geometry                             | 9, 10, 11, 12              | 1.00          | 55                     |
| B201                            | Advanced Algebra                     | 9, 10, 11, 12              | 1.00          | 55                     |
| B301                            | Algebra III Plus                     | 11, 12                     | 1.00          | 55                     |
| B302                            | Functions, Statistics & Trigonometry | 10, 11, 12                 | 1.00          | 55                     |
| B350                            | FST/PDM                              | 9, 10, 11, 12              | 1.00          | 55                     |
| B401                            | Pre-calculus and Discrete Math       | 11, 12                     | 1.00          | 56                     |
| B450                            | Math Mentor                          | 11, 12                     | 1.00          | 56                     |
| B510                            | Advanced Placement Statistics        | 11, 12                     | 1.00          | 56                     |
| B522                            | Advanced Placement Calculus B/C      | 12                         | 1.00          | 56                     |
| G430                            | Computer Science Programming         | 9, 10, 11, 12              | .50           | 56                     |
| G530                            | Advanced Placement Computer Science  | 11, 12                     | 1.00          | 56                     |

| <b>COURSE<br/>NUMBER</b>             | <b>TITLE</b>  | <b>LEVEL<br/>AVAILABLE</b> | <b>CREDIT</b> | <b>PAGE<br/>NUMBER</b> |
|--------------------------------------|---|----------------------------|---------------|------------------------|
| <b>MUSIC DEPARTMENT</b>              |   |                            |               |                        |
| J120                                 | Concert Band  | 9, 10, 11, 12              | 1.00          | 59                     |
| J220                                 | Symphonic Band  | 9, 10, 11, 12              | 1.00          | 59                     |
| J320                                 | Wind Ensemble   | 9, 10, 11, 12              | 1.00          | 60                     |
| J140                                 | Concert Orchestra                                       | 9, 10, 11, 12              | 1.00          | 60                     |
| J240                                 | Symphonic Orchestra                                     | 9, 10, 11, 12              | 1.00          | 60                     |
| J160                                 | Concert Choir   | 9, 10, 11, 12              | 1.00          | 60                     |
| J260                                 | Central Singers   | 10, 11, 12                 | 1.00          | 60                     |
| J360                                 | Women's Chorus  | 10, 11, 12                 | 1.00          | 60                     |
| J460                                 | Chamber Singers   | 10, 11, 12                 | 1.00          | 60                     |
| J462                                 | Vocal Jazz Ensemble                                     | 10, 11, 12                 | 1.00          | 61                     |
| J222                                 | Jazz Ensemble III                                       | 9, 10, 11, 12              | 1.00          | 61                     |
| J322                                 | Jazz Ensemble II  | 9, 10, 11, 12              | 1.00          | 61                     |
| J422                                 | Jazz Ensemble I   | 9, 10, 11, 12              | 1.00          | 61                     |
| J430                                 | Percussion Ensemble/Steel Band                          | 9, 10, 11, 12              | 1.00          | 61                     |
| J500                                 | Advanced Placement Literature<br>and Structure of Music | 9, 10, 11, 12              | 1.00          | 61                     |
| <b>PHYSICAL EDUCATION DEPARTMENT</b> |   |                            |               |                        |
| D101                                 | Introduction to Fitness 9                               | 9                          | .50           | 62                     |
| D104                                 | Fitness Activities 9                                    | 9                          | .50           | 62                     |
| D301                                 | Aerobic Fitness   | 10, 11, 12                 | .50           | 62                     |
| D302                                 | Lifetime/Team Sports                                    | 10, 11, 12                 | .50           | 63                     |
| D303                                 | Strength and Conditioning                               | 10, 11, 12                 | .50           | 63                     |
| D304                                 | Advanced Physical Education                             | 10, 11, 12                 | .50           | 63                     |
| D305                                 | Yoga I  | 10, 11, 12                 | .50           | 63                     |
| D306                                 | Yoga II   | 10, 11, 12                 | .50           | 63                     |
| D222                                 | Health  | 10, 11, 12                 | .50           | 63                     |
| <b>SCIENCE DEPARTMENT</b>            |   |                            |               |                        |
| C100                                 | Applied Science I                                       | 9                          | 1.00          | 65                     |
| C102                                 | Introductory Science                                    | 9                          | 1.00          | 65                     |
| C200                                 | Applied Science II                                      | 10                         | 1.00          | 65                     |
| C201                                 | Biology B   | 10                         | 1.00          | 65                     |
| C202                                 | Biology   | 10                         | 1.00          | 65                     |
| C300                                 | Chem Com  | 11                         | 1.00          | 66                     |
| C301                                 | Chemistry   | 11                         | 1.00          | 66                     |
| C350                                 | Environmental Science                                   | 10, 11, 12                 | .50           | 66                     |
| C400                                 | Physics   | 12                         | 1.00          | 66                     |
| C401                                 | Human Anatomy & Physiology                              | 11, 12                     | 1.00          | 66                     |
| C450                                 | Goodwillie Environmental Seminar                        | 11, 12                     | .50           | 66                     |
| C501                                 | Advanced Placement Biology                              | 12                         | 2.00          | 67                     |
| C502                                 | Advanced Placement Chemistry                            | 12                         | 2.00          | 67                     |
| C550                                 | Advanced Placement Environmental Science                | 11, 12                     | 1.00          | 67                     |

| <b>COURSE<br/>NUMBER</b>            | <b>TITLE</b>                     | <b>LEVEL<br/>AVAILABLE</b> | <b>CREDIT</b> | <b>PAGE<br/>NUMBER</b> |
|-------------------------------------|----------------------------------|----------------------------|---------------|------------------------|
| <b>SOCIAL STUDIES DEPARTMENT</b>    |                                  |                            |               |                        |
| E101                                | Economics and Civics             | 9                          | .50           | 68                     |
| E201                                | U.S. History                     | 10                         | 1.00          | 69                     |
| EA201                               | U.S. History/English Bloc        | 10                         | 2.00          | 69                     |
| E320                                | World History                    | 10, 11, 12                 | 1.00          | 69                     |
| E340                                | Political Geography/Inquiry      | 9, 10, 11, 12              | .50           | 69                     |
| E345                                | Current Events                   | 9, 10, 11, 12              | .50           | 69                     |
| E350                                | Interpersonal Relationships      | 11, 12                     | .50           | 69                     |
| E352                                | Child Psychology/Development     | 9, 10, 11, 12              | .50           | 70                     |
| E354                                | Psychology                       | 11, 12                     | .50           | 70                     |
| E356                                | Advanced Psychology              | 11, 12                     | .50           | 70                     |
| E358                                | Sociology                        | 11, 12                     | .50           | 70                     |
| E360                                | Introduction to Philosophy       | 11, 12                     | .50           | 70                     |
| E370                                | Macroeconomics                   | 11, 12                     | .50           | 70                     |
| E401                                | Government                       | 11, 12                     | .50           | 71                     |
| E402                                | U.S. Judicial Law                | 11, 12                     | .50           | 71                     |
| E404                                | World Studies                    | 11, 12                     | .50           | 71                     |
| E450                                | International Relations Seminar  | 9, 10, 11, 12              | .50           | 71                     |
| E500                                | Advanced Placement U.S. History  | 10, 11, 12                 | 1.00          | 69                     |
| E501                                | AP U.S. Government and Politics  | 11, 12                     | .50           | 71                     |
| E502                                | AP Comparative Government        | 11, 12                     | .50           | 72                     |
| <b>SPECIAL EDUCATION DEPARTMENT</b> |                                  |                            |               |                        |
| S100                                | Academic Strategies              | 9, 10, 11, 12              | 1.00          | 73                     |
| S200                                | Advanced Academic Strategies     | 10, 11, 12                 | 1.00          | 73                     |
| S300                                | Academic Support                 | 10, 11, 12                 | 1.00          | 74                     |
| S202                                | Strategies for Transition        | 9, 10, 11, 12              | 1.00          | 74                     |
| S204                                | Reading Interventions            | 9, 10, 11, 12              | 1.00          | 74                     |
| S206                                | Writing Strategies               | 9, 10, 11, 12              | 1.00          | 74                     |
| S208                                | Reading Comprehension Strategies | 9, 10, 11, 12              | 1.00          | 74                     |
| S290                                | Community Based Instruction      | 9, 10, 11, 12              | 1.-3.         | 75                     |
| S390                                | Kent Transition Center           | 9, 10, 11, 12              | 3.00          | 75                     |
| S401                                | Work Study II                    | 10, 11, 12                 | 2.00          | 75                     |
| S402                                | Work Study I                     | 10, 11, 12                 | 1.00          | 75                     |
| <b>SPECIAL OPPORTUNITIES</b>        |                                  |                            |               |                        |
| M110                                | Office Aide                      | 10, 11, 12                 | .50           | 76                     |
| M120                                | Teacher Aide                     | 10, 11, 12                 | .50           | 76                     |
| M130                                | Media Aide                       | 10, 11, 12                 | .50           | 77                     |
| M140                                | Technical Aide                   | 10, 11, 12                 | .50           | 77                     |
| M150                                | LINK Experience                  | 9, 10, 11, 12              | .50           | 77                     |
| M200                                | Independent Study                | 12                         | .50           | 77                     |
| M300                                | PreTeaching Experience           | 12                         | .50           | 77                     |
| M400                                | Dual Enrollment                  | 11, 12                     | .50           | 77                     |
| R100                                | Tools for Success                | 9, 10, 11, 12              | 1.00          | 77                     |
| R400                                | Just In Time                     | 12                         | 1.50          | 78                     |
| R410                                | Mentorship                       | 12                         | .50/sem       | 78                     |
| R415                                | Internship                       | 12                         | 1.00/sem      | 78                     |
| G401                                | Cooperative Education (Co-op)    | 11, 12                     | 2.00          | 78                     |
| G402                                | Work Experience                  | 11, 12                     | 1.00          | 78                     |
| G390                                | Kent Career/Technical Center     | 11, 12                     | 3.00          | 81                     |



## **NOTICE OF NONDISCRIMINATION POLICY**

It is the policy of the Forest Hills School District that no person shall, on the basis of race, religion, color, national origin, sex or handicap be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity of the district, including employment.

Any questions concerning Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of sex, or inquiries related to Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination the basis of handicap, should be directed to:

Mr. Kevin Konarska  
Assistant Superintendent of Personnel  
6590 Cascade Road SE  
Grand Rapids, Michigan 49546

Telephone (616) 493-8800