

Westwood

2012 - 2013

Course Description Handbook

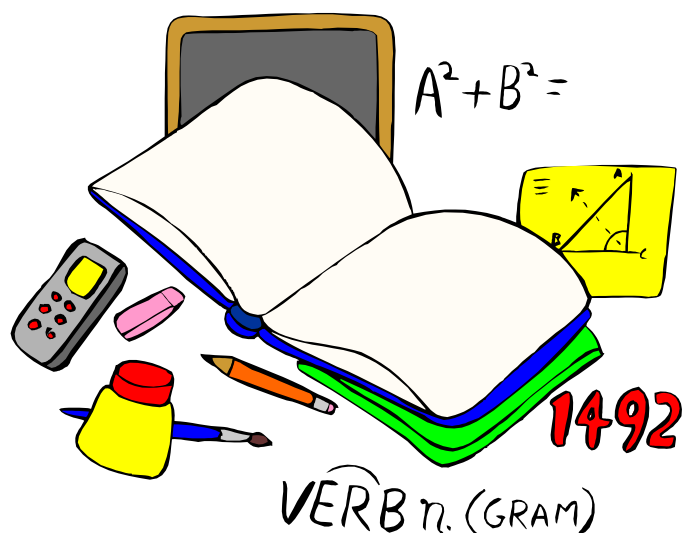


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Introduction

The information in this booklet will be a resource for decisions you must make while in high school. The choices made will help you meet the graduation requirements and the educational goals you have for yourself.

Careful consideration is needed by each of you as you plan for next year at Westwood High School. What courses will you take to help meet your educational goals for high school and beyond? What courses do you need to take to help prepare you for your career goals? As you consider what classes to take, think about your academic strengths and your occupational goals. Are your academic strengths and occupational goals in line with your abilities and interests? Discuss your thoughts about this with your parents, teachers, and counselor. They can help you gain an understanding of what preparation is needed to meet your goals beyond high school.

As you familiarize yourself with this Course Handbook you will be better able to make the appropriate decisions for educational planning here at Westwood and in your post secondary endeavors.

Directions for On-line Registration

- ✓ Go to our school website: www.westwood.k12.ia.us
- ✓ Click on Grade Report at the top
- ✓ Click on Register Now
- ✓ Type in your last and first name and your student ID number
(You can get your ID number from your advisor or the office)
- ✓ Make sure you sign up for six classes plus PE/SC

A list of classes to choose from can be found on page 6 of the Course Description Handbook. Be sure to sign up for either #115 P.E. or #116 S&C, since these are year long courses (indicated with a “Y”), you only have to put them in once. Same goes for most of your English, Math, and Science courses. If a course is listed as F/S it is a semester class and will either be offered in the spring or fall depending on how it fits into our schedule. For example, Research Skills can only be taken for one semester. Courses such as Great Books and Cultures of the World can be taken for one semester or all year. If you would like to take Cultures in the fall, sign up for Cultures-F #42. If you would like to take Cultures in the spring, sign up for Cultures-S #282. If you want to take Cultures for the full year enter both #42 and #282. **If not enough students sign up for a course it may not be offered.**

Registration Time Line:

- February – Register on-line
- March – Master schedule will be set
- April – finalize students schedules



Westwood Graduation Requirements

44 Credits are needed for graduation.

- 1 credit is earned for each semester of an academic course passed
- Band and Vocal are weighted as 1 credit a semester
- PE/SC is weighted as $\frac{1}{4}$ credit a semester
- Elementary Helper is $\frac{1}{2}$ or $\frac{1}{4}$ credit a semester
- School-to-work is weighted as $\frac{1}{2}$ credit per semester —*per period* (see pg. 11)

Required credits:

8 English Credits:

**Both semesters of English I, II, & III are required.

1 Citizenship Credit:

Students must complete community service. (see pg. 41)

6 Social Studies Credits:

**Both semesters of American History are required and Government I.

**Three additional social studies credits are required from World History, Cultures of the World, Sociology, Current Affairs, Government II.

6 Math Credits:

3 years-- Pre-Algebra in junior high does not count towards your six semesters of high school math.

**Any course from Algebra A up through Calculus count towards six semesters of math

**Algebra A and Algebra B credits will count toward requirements for graduation, but will only count 2 credits towards admission requirements at most 4 year colleges and universities (see page 10).

6 Science Credits: Integrated Science, Biology, Biology-Advanced Studies, Natural History of Iowa, Physiology, Chemistry, Physics, Science Seminar, Ag. Natural Resources, Ag. Horticulture and Ag. Animal Science may be used to meet Science requirements.

1 Computer Credit: Keyboarding, Computer Applications, or CAD I

4 Years PE: Not included in GPA. May be waived only if out for a sport that semester. May only waive one semester a year. Waived for any other reasons must be cleared through the principal's office. Written permission from parents must be on file for each semester that PE is waived. A Physical Activity Contract must be completed if not in P.E. for any reason including waiver.

****Students will have the option of graduating at mid-year during their senior year if they have completed the required number of credits for graduating.**

Course Load Requirements

Six academic classes are required each semester by Board Policy. P.E. or S&C must be taken in addition to the six classes. Students may not take courses of a lower level than those already taken (example: a student who has taken Alg. I could not then take Alg. A or Alg. B).

Recommended Sequence of Required/Elective Courses:

Required Courses			
9 th Grade	10 th Grade	11 th Grade	12 th Grade
1. English I 2. Int. Science or Biology 3. Alg. A, Alg I, or Geometry 4. Social Studies 5. Comp. Class (1 sem) 6. PE	1. English II 2. Biology or Chemistry 3. Alg. B, Alg. I, Alg II, or Geo. 4. Social Studies 5. PE	1. English III 2. Amer. Hist. 3. PE 4. Consumer Math, Adv. Math, or Geometry	1. Government 2. PE 3. English IV, AP English, Great Books, or Comm. Skills
Elective Courses			
9 th Grade	10 th Grade	11 th Grade	12 th Grade
Ag Metals (1 sem) Ag Small Eng. (1 sem) Intro to Ag (1 sem) Ag Natur. Res. (1 sem) Animal Scien. (1 sem) Career Skills Communication Skills Research Skills Tech/Media Production Art I (1 or 2 sem) Computer App. (1 sem) Keyboarding (1 sem) Family Consumer Science I (1 sem) Family Consumer Science II (1 sem) Child Dev. (1 or 2 sem) Spanish I Health Physical Education Strength & Conditioning Tech Drawing CAD Level I Mod. Tech. Lab (1 or 2 sem.) Band Vocal	Ag Construc. (1 sem) Ag Shop (1 sem) Beginning Programming (1 sem) Art II (1 or 2 sem) Prob/Stats Adv. App. (1 sem) Accounting I Creat. Stitch. & Clothing Foods & Nutrition (1 sem) Family Living (1 sem) Spanish II Construc/Engin Woodworking Tech. Cultures of the World Current Affairs (1 sem)	Natural History of Iowa Great Books Art III (1 or 2 sem) Excel (1 sem) Business Law(1/2 sem) Accounting II Spanish III Adv. Woodworking Tech. Electric/Electron CAD Level II Physics Sociology Government II	School-to-Work Art IV (1 or 2 sem) AP Calculus Science Seminar Spanish IV Physiology

What is IHaveaPlanIowa?

IHaveaPlanIowa is a comprehensive web-based planning tool (www.IHaveaPlanIowa.gov) that assists Iowans as they explore education and career options.

The career component of IHaveaPlanIowa has been designated as Iowa's career information system by the Iowa Department of Education.

What's New?

Iowa's career information system has a new look and enhanced capabilities!

- New look and navigation. The tools and functions you are familiar with are still part of the program but streamlined into any easy to navigate system.
- Personalized. The content and tools in the system are personalized for the age of the user.
- Unlimited Access. Free to all Iowans, regardless of age.
- Free Test Prep. Access to online ACT and SAT test preparation.
- Online Applications. A single application for all state administered financial aid programs.

Why IHaveaPlanIowa?

Iowa Code specifies that all Iowa students must create a career plan in grade 8 and complete the required components of the state designated career information system in grades 8-12.

IHaveaPlanIowa contains the current state-designated career information system and should be used with students when creating the plan.

An Iowa Guideway has been created for each grade level to assist students and educators through the process

The Iowa Guideways

- Provide an easy step-by-step process for students to complete the required components.
- Allow the Iowa Department of Education to receive the required data reports automatically.

Who Benefits?

IHaveaPlanIowa benefits students, parents and educators.

Students can:

- Create meaningful course plans to achieve college and career goals.
- Complete assessments to better understand their interests, skills, and values and match them to potential careers.
- Prepare for the ACT or SAT.
- Explore education and training programs required for their chosen career path.
- Search for colleges or universities that meet their needs.
- Research financial aid options and search for scholarships.
- Apply for State of Iowa grants and scholarships with a single online application.
- Build a lifelong electronic portfolio with their assessment results, work experiences, college searches, scholarship searches, goals, plans, and more.

Parents can:

- Create a portfolio for personal career and college planning.
- View their child's portfolio (with the child's approval) to help them with their plans.
- Approve their child's required 8th grade plan online.
- View information to help keep their child on track to reach their goals.
- Learn about financial aid options.
- Create a plan to pay for their child's education.

Educators can:

- Meet the requirements of the Iowa Code which requires all 8th grade students to have a career plan.
- Track students' progress in developing career plans.
- Customize courses to match school offerings and graduation requirements.
- Obtain lesson plans and activities that incorporate the tools and functions of IHaveaPlanIowa into all subjects.
- Assist parents and students with college and career exploration.
- Create usage and outcome based reports for students at their school.

F=Fall S=Spring Y=Year

Course #	Course Name	
1	Algebra A	Y
3	Algebra B	Y
8	A.P. Calculus	Y
35	A.P. English – F	F
275	A.P. English – S	S
66	Accounting I	Y
67	Accounting II	Y
64	Adv Com App	F
87	Adv Woodworking Tech.	Y
7	Adv. Math	Y
53	Ag Metals	F/S
127	Ag Production	F/S
57	Ag Shop	F/S
4	Algebra I	Y
5	Algebra II	Y
43	Amer. History	Y
51	Animal Science	F/S
121	Art I – F	F
276	Art I – S	S
122	Art II – F	F
277	Art II – S	S
119	Art III – F	F
278	Art III – S	S
120	Art IV – F	F
279	Art IV – S	S
92	Band	Y
70	Beginning Programming	F/S
21	Biology	Y
19	Biology – Advanced Studies	Y
68	Business Law	Y
145	CAD Level I	S
150	CAD Level II	Y
141	CAD Level III	F/S
59	Career Skills – F	F
280	Career Skills – S	S
22	Chemistry	Y
77	Child Develop. II – F	F
281	Child Develop. I – S	S
76	Creat. Stitch.& Clothing	F/S
36	Communication Skills	S
62	Comp Applic.	S
82	Const. Engineer	Y
55	Const. Trades (Ag)	S/F
63	Consumer Math	Y
42	Cultures of the World – F	F
282	Cultures of the World – S	S
47	Current Affairs	F/S
114	Earlybird S&C	Y

F=Fall S=Spring Y=Year

Course #	Course Name	
84	Electron/Elec.	F/S
130	Elementary Helper	F/S
31	English I	Y
32	English II	Y
33	English III	Y
34	English IV – F	F
284	English IV – S	S
72	Excel	S
73	Family Consumer Science I	F/S
74	Family Consumer Science II	F/S
78	Family Living	F/S
75	Foods	F/S
139	Fut. Prob. Solv.	Y
20	Integrated Science	Y
6	Geometry	Y
44	Government	F
45	Government II	S
238	Great Books – F	F
285	Great Books – S	S
106	Health – F	F
105	Health – S	S
52	Horticulture	F/S
60	Intro to Ag	F
61	Keyboarding	F
83	Mod Tech Lab	F/S
17	Natural History of Iowa	Y
56	Natural Resour.	F/S
115	Physical Education	Y
23	Physics	Y
24	Physiology	Y
9	Prob/Stats	Y
37	Research Skills	F/S
25	Science Seminar	Y
58	Small Engines	F/S
46	Sociology	S
101	Spanish I	Y
102	Spanish II	Y
103	Spanish III	Y
104	Spanish IV	Y
116	Strength/Cond.	Y
81	Tech Drawing	F
273	Tech/Media Prod	Y
91	Vocal Music	Y
85	Woodworking Technology	Y
41	World History – F	F
287	World History – S	S
154	WIT Class	
274	20 th Cent. Media	F

Courses Which Have Pre-Requisites

COURSE	PRE-REQUISITE
Accounting II	Accounting I
Ag. Shop	Ag. Metals & Small Engines
Ag. Production	Intro. to Ag.
Animal Science	Intro. to Ag.
Advanced Applications	Computer Applications
Excel	Advanced Computer Applications
Creative Stitchery/Clothing	Family Consumer Science I
Foods & Nutrition	Family Consumer Science II
Spanish II	Spanish I
Spanish III	Spanish II
Spanish IV	Spanish III
Construction Engineering	CAD-Level I
CAD-Level I	Technical Drawing
CAD-Level II	CAD-Level I
Electricity & Electronics	Algebra I or Algebra A/B
Woodworking Technology	CAD Level I
Adv. Woodworking Technology	Woodworking Technology
English II	English I
English III	English II
English IV	English III

AP English	English III (80% Rdg./Lit. on ITEDS)
Algebra B	Algebra A
Algebra II	Geometry
Geometry	Algebra I/ Alg. A & B
Advanced Math	Algebra II
AP Calculus	Adv. Math
Probability/Statistics	Algebra I/ Alg. A & B
Physiology	Adv. Studies Biology
Chemistry	Completed Algebra I or Algebra B
Physics	Completed Geometry
Band	Previous Instrumental experience
Biology	Integrated Science
Biology Advanced Studies	Integrated Science or A in Jr. High Science Class, or teacher approved
Science Seminar	Completion of Chemistry & Physics
Art II	Art I
Art III	Art II
Art IV	Art III

Regents Admission Index

Board of Regents, State of Iowa

Freshman Admission Requirements to the Regent Universities

Admission of freshmen who wish to enroll at any of the Iowa Regent universities beginning Fall 2009 and beyond will be based on the Regent Admission Index (RAI) equation described below. In addition, applicants must meet the minimum high school course requirements for the university they wish to enter.

$$\begin{array}{rcl} & (2 \times \text{ACT composite score}) & \\ + & (1 \times \text{percentile high school rank}) & \\ + & (20 \times \text{high school GPA}) & \\ + & (5 \times \text{number of high school core courses}) & \\ \hline & \text{Regent Admission Index Score} & \end{array}$$

Note: For purposes of calculating the RAI, SAT scores will be converted to ACT composite equivalents, 99% is the top value for high school rank, 4.00 is the top value for GPA, and the number of high school core courses completed is expressed in terms of years or fractions of years (e.g., one semester equals 0.5 year). Applicants who do not possess all required factors will be evaluated on an individual basis by the Regent universities to which they apply.

Freshman applicants from Iowa high schools who achieve at least a 245 RAI score and who meet the minimum number of high school courses required by the Regent universities will qualify for automatic admission to any of the three Regent universities. Freshman applicants who achieve less than a 245 RAI score may also be admitted to a specific Regent university; however, each Regent university will review these applications on an individual basis and the admission decision will be specific to each institution. Freshman applicants from approved high schools in other states may be held to higher academic standards, but must meet at least the same requirements as graduates of Iowa high schools.

The Regent universities recognize that the traditional measures of academic performance do not adequately describe some students' potential for success. Therefore, the Regent universities strongly encourage all interested students to apply for admission. Applicants who feel their academic record is not an accurate reflection of their potential for success are encouraged to provide supplemental information explaining their circumstances in addition to the application, academic transcripts, and test scores.

The Board of Regents has provided an RAI calculator on their web site so that students can calculate an unofficial RAI as they consider applying to one of the regent universities. Visit <http://www2.state.ia.us/regents/rai> for help calculating your RAI or for more information on admission requirements to the three state universities.

School-to-Work Program

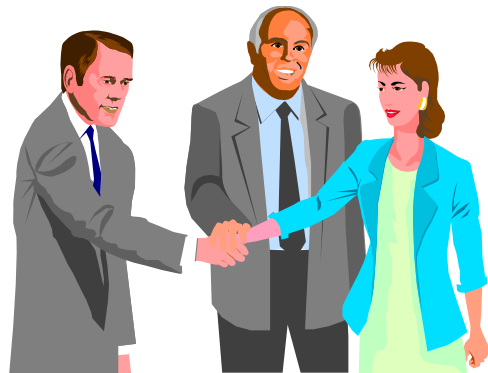
The School-to-Work program is designed to allow **senior students or junior students with principal approval** to get ½ credit per semester per period with a maximum of three periods for on-the-job skill development. Students will be allowed to leave school if they are going to work. The School-to-Work coordinator and the principal will determine whether or not a School-to-Work program is warranted for a student. A minimum of a semester of Career Skills class should be taken before applying for the School-to-Work program (requirement may be waived by Principal).

Students will be required to complete a job information form, including business name, supervisor, address, phone numbers, etc. They also will be required to fill out weekly work schedules and other forms or worksheets which are necessary for the coordinator to monitor their jobs and job success.

The coordinator will attempt to make site visits, speak with supervisors, and get periodic reports and assessments from supervisors.

Students must take care of all paperwork and be dismissed by the coordinator before leaving school for work. Students in after-school extra-curriculars are not allowed to take part in this program during their co-curricular season, but may apply once a season has ended.

Any student who does not follow through with the requirements of the program will be dropped and will be expected to remain in school. Grading will be P and F (pass/fail).



Post Secondary Enrollment Options

The Post Secondary Act was enacted to promote rigorous academic pursuits of a wider variety of options to high school students by enabling 11th and 12th to enroll in courses in eligible post secondary institutions of higher learning in Iowa.

The specific purposes of this Act are to:

- Promote rigorous academic pursuits, and
- Provide a wider variety of options for students

The following guidelines are also in place for Post Secondary Enrollment:

- ❖ Students may not enroll in a course at post secondary institutions if a comparable course is available at the student's high school.
- ❖ Students may enroll only part time at post secondary institutes.
- ❖ Evening courses during the school year are eligible to students at no cost.
- ❖ Students may attend summer classes, but the student **must pay** the cost of attendance for any summer credit hours.
- ❖ Students may not enroll for "audit" under this Act. They must take the class for credit.
- ❖ There is no charge to the student for tuition, or textbook. A student may be required to purchase equipment that becomes property of the student.
- ❖ Transportation is not furnished by school districts under this Act.
- ❖ The local school district will determine the number of credits granted for the post secondary course based upon contact hours.
- ❖ Post secondary courses may or may not be in the student's grade point average depending on whether or not the student wants them to show on their transcript or needs the credits for graduation.
- ❖ You must be taking at least three courses at Westwood to be listed on the honor roll.
- ❖ After successful completion of the post secondary course the student will have earned post secondary credit from that institution. Other post secondary education institutions may, consistent with credit transfer policies, award post secondary credit for any courses taken under this act.
- ❖ The following courses are eligible under this act:
 - ✓ Nonsectarian courses (Courses that are not confined to or affiliated with any specific religion)
 - ✓ Courses that are not comparable to courses offered by the local school district
 - ✓ Credit bearing courses that lead to an educational degree
 - ✓ Courses in the disciplines of mathematics, science, social sciences, humanities, vocational technical education, and courses in career option programs offered by public area colleges
- ❖ The pupil's parent/guardian shall sign the student registration form if the pupil is under age 18, indicating that they assume all responsibilities for costs directly related to the incomplete and non credit course work.

- ❖ Failure by the pupil to complete and receive credit for an enrolled course requires the pupil, if over 18, or the parent/guardian if under 18, to reimburse the school for the cost of the enrolled course(s).
- ❖ Students may enroll in correspondence courses offered by post secondary schools.
- ❖ The school district can and shall request students enrolled under this act provide a copy of grades earned.
- ❖ Local school districts are **NOT** financially responsible under this act if a student does not notify the appropriate school personnel (Superintendent, Principal, or Guidance Counselor) that they are participating in the Post Secondary Enrollment Act.
- ❖ For any additional information on the Post Secondary Enrollment Options Act please contact the high school guidance office at 428-3303.

NON-DISCRIMINATION POLICY

The school district does not discriminate on the basis of race, color, age (except students), religion, national origin, sex, sexual orientation, gender identity or disability in admission or access to, or treatment in, its hiring and employment practices. Any person having inquiries concerning the school district's compliance with the regulations implementing Title VI, Title VII, Title IX, the Americans with Disabilities Act (ADA), § 504 or *Iowa Code* § 280.3 is directed to contact:

Equity Coordinator – Connie Smits, Westwood Guidance Office, Westwood Schools, 1000 Rebel Way, Sloan, IA 51055 712 428 3355, who has been designated by the school district to coordinate the school district's efforts to comply with the regulations implementing Title VI, Title VII, Title IX, the ADA, § 504 and *Iowa Code* § 280.3 (2007).

The Westwood Community School District does not discriminate in its policies and programs on the basis of race, color, creed, religion, age, sex, sexual orientation, gender identity, handicap, national origin or ancestry. Inquiries concerning the application of Title IX, Section 504 or Title VI may be referred to the Title IX Coordinator, Mrs. Connie Smits (428-3200).

MULTICULTURAL AND NONSEXIST EQUITY EDUCATION OPPORTUNITY POLICY

The Westwood Community School District is committed to providing an educational program that is multicultural and nonsexist. Multicultural, nonsexist education is the district's planned curriculum and instruction, which educates students about the cultural diversity of our society.

The board will not discriminate in its educational activities on the basis of race, color, national origin, religion, sex, disability, sexual orientation, gender identity or marital status. The board requires all persons, agencies, vendors, contractors and other persons and organizations doing business with or performing services for the school district to subscribe to all applicable federal and state laws, executive orders, rules and regulations pertaining to contract compliance and equal opportunity. The board is committed to the policy that no otherwise qualified person will be excluded from educational activities on the basis of race, color, religion, sex, marital status, national origin, sexual orientation, gender identity or disability. Further, the board affirms the right of all students and staff to be treated with respect and to be protected from intimidation, discrimination, physical harm and harassment.



Westwood School District

It is the goal of the board to develop a healthy social, intellectual, emotional, and physical self-concept in the students enrolled in the school district. Each student attending school will have the opportunity to use it and its education program and services as a means for self-improvement and individual growth. In so doing, the students are expected to conduct themselves in a manner that assures each student the same opportunity.

The board supports the delivery of the education program and services to students free of discrimination on the basis of race, color, sex, marital status, national origin, religion, sexual orientation, gender identity or disability. This concept of equal educational opportunity serves as a guide for the board and employees in making decisions relating to school district facilities, employment, selection of educational materials, equipment, curriculum, and regulations affecting students.

In the delivery of the education program, students will treat the employees with respect and students will receive the same in return. Employees have the best interests of the students in mind and will assist them in school-related or personal matters if they are able to do so. Students should feel free to discuss problems, whether school-related or personal, with the guidance counselor or other employees.

Students will have an equal opportunity for a quality education without discrimination, regardless of their race, religion, socioeconomic status, color, sex, marital status, national origin, sexual orientation, gender identity or disability.

The education program is free of discrimination and provides equal opportunity for the students. The education program will foster knowledge of and respect and appreciation for the historical and contemporary contributions of diverse cultural groups, as well as men and women, to society. It will also reflect the wide variety of roles open to both men and women and provide equal opportunity to both sexes.

Inquiries by students regarding compliance with equal educational opportunity and affirmative action laws and policies, including but not limited to complaints of discrimination, are directed to the Affirmative Action Coordinator by writing to the Affirmative Action Coordinator, Connie Smits, Westwood Guidance Counselor, Westwood Community School District, Sloan, Iowa 51055; or by telephoning 712-428-3355

Inquiries by students regarding compliance with equal educational opportunity and affirmative action laws and policies, including but not limited to complaints of discrimination, may also be directed in writing to the Director of the Region VII office of Civil Rights, <http://www.state.ia.us/government/crc/index.html> U.S. Department of Education, 8930 Ward Parkway, Suite 2037, Kansas City, MO. 64114, (816) 268-0550 or Iowa Dept. of Education, Grimes State Office Bldg., Des Moines, IA. (515) 281-5294. This inquiry or complaint to the federal or state office may be done instead of, or in addition to, an inquiry or complaint at the local level.

Further information and copies of the procedures for filing a complaint are available in the school district's central administrative office and the administrative office in each attendance center.

Connecting the Counselor's Work With Iowa's State Initiatives

ASCA National Model

3 Domains

Academic

Career Development

Personal/Social Development

Department of Education

State Initiatives

- School Improvement
- Standards & Benchmarks
- Professional Development (IPDM)
- Iowa's 8 Teaching Standards
- Model Core Curriculum
- High School Redesign (Relationships, Relevance, Rigor)
- Instructional Decision Making (IDM)/Response to Instruction (RTI)
- Learning Supports
- Student Core Curriculum
- Transition
- Individual Career Development Plan (ICDP)
- SF61 – Anti Bullying/Harassment Legislation

Elements

Foundation

- Lays the groundwork
- Focus to continue to move forward
- Deeper look at standards

Management System

- Counselor/Administrator Agreements
- Use of Data
- Action Plans
- Use of time & calendars

Delivery System

- Individual Student Planning
- Curriculum
- Responsive Services
- System Support

Accountability

- Results Report
- Counselor Performance Evaluation
- Program Audit

School Counselor Skills & Attitudes

- Advocacy
- Collaboration
- Leadership
- Systemic Change

Revised, 6/07



AGRICULTURAL SCIENCE, TECHNOLOGY, AND MARKETING (ASTM)

STUDENT ENROLLMENT:

Students will be able to take any course on a semester basis, as they choose. However, some classes do have a prerequisite before they can be taken. Different types of FFA awards will depend on which classes are most requested in pre-registration.

FEES AND SAFETY GLASSES:

Students will be charged for individual projects if they decide to do them.. Shop glasses are required in the shop.

FFA:

All students who are enrolled in one or more semester of Ag are entitled to join FFA. Class time will be spent to carry out the various FFA activities. A student has to be enrolled in Ag. at least one semester each year to be an FFA member. FFA chapter officers will be required to be enrolled in class to hold office. FFA activities can be part of the class grade.

PROJECTS:

All members are required to keep a record book. Projects will be required, depending upon their opportunities and interest. Class time will be spent on records. Project record books will move from class to class and year to year, and can be a part of the class grade.

449 LAW:

The Ag. Department is enrolled in the Ag. Mechanics pathway. The following classes for career development can be used along with a year of Career Skills.

Career Skills – F #59
Career Skills – S #280
Grade(s): 10, 11, 12

Credit: 1 or 2
Semesters: 1 or 2 F/S/Y
Prerequisite: None

Career Skills is a course designed to introduce many of the skills needed to be successful in the world of work. Many of these skills carry over into our personal lives. Topics included are career decision-making, job interviews, entering the world of work, developing your skills and understanding, becoming a wise consumer, and meeting your adult responsibilities.

Ag Metals #53**Grade(s): 9, 10, 11, 12****Class size: 12-14****Credit: 1****Semester: F/S****Prerequisite: None**

This class involves the learning skills needed in arc welding and oxyacetylene welding. Class time is spent on demonstrations and learning these skills. Shop safety, sheet metal work, soldering, and hot and cold metal will be covered. Individual projects may be completed, but not required.

Ag. Small Engines #58**Grade(s): 9, 10, 11, 12****Class size: 16-18****Credit: 1****Semester: F/S****Prerequisite: None**

This class is designed to teach the basics of small engines. Units will be covered on engine design, engine systems, trouble shooting, maintenance, and tune-up. Students will be required to disassemble and reassemble an engine.

Other courses offered by the Ag. Department are as follows:

Ag. Shop #57**Grade(s): 10, 11, 12****Class size: 10-12****Credit: 1****Semester: F/S****Prerequisite: Ag Metals & Small Engines**

This class is designed so that students can build a project of their own. They are to plan, design and build a project of their choice. A student's grade will be mostly on projects and use of class time.

Ag. Natural Resources #56**Grade(s): 9, 10, 11, 12****Credit: 1****Semester: F/S****Prerequisite: None**

Topics discussed in this class will include, but are not limited to, soil conservation, water conservation, outdoor recreation, global concerns such as global warming, deforestation and ozone depletion, and wildlife management (identifying wildlife species, species of fish, waterfowl, game birds and non-game birds, discovering these species' habitats and how to manage them successfully). We will also explore career opportunities related to this field. May be used to meet science requirements.

Ag. Horticulture #52
Grade(s): 9, 10, 11, 12

Credit: 1
Semester: F/S
Prerequisite: None

This class is designed for those who may have an interest in plants. Units include career opportunities in plant science, plant propagation, integrated pest control, container grown plants, using plants in the landscape, lawn and turf grass establishment and maintenance, the vegetable garden, the small fruit garden, and holiday crafts and floral designs. Plantings and projects are included in the class. May be used to meet science requirements.

Ag. Animal Science #51
Grade(s): 9, 10, 11, 12

Credit: 1
Semester: F/S
Prerequisite: Intro. to Ag.

All classes of animals common to this area of interest to the class members would be discussed. This would include common farm animals, pets, small, and exotic animals. Units in the care, selection, management, breeding, feeding, and disease prevention will be covered. May be used to meet science requirements.

Ag. Production #127
Grade(s): 9, 10, 11, 12

Credit: 1
Semester: F/S
Prerequisite: Intro. to Ag.

This class is offered for those interested in production agriculture. It will include units in crop and animal production. Business and marketing skills will be studied depending upon the interest of the class members.

Intro to Ag: #60
Grade(s): 9, 10

Credit: 1
Semester: F
Prerequisite: none

Class will cover basic agricultural ideas and concepts, from history, inventions, production, and FFA to basic record keeping and animal science.



ART

Art I – F #121, Art I – S #276
Art II – F #122, Art II – S #277
Grade(s): 9, 10, 11, 12

Credits: 2
Semesters: F/S/Y
Prerequisite: None

Six major projects are due each semester, and students have a choice from the following list of art projects, which are available to the art students, allowing the student freedom of choice within the discretion of the instructor:

- | | |
|--|-----------------------|
| 1. Pottery – hand-built, wheel & sculpture | 7. Wood Carving |
| 2. Oil Pastels | 8. Acrylic Painting |
| 3. Wire Sculpture | 9. Charcoal Drawing |
| 4. Oil Painting | 10. Pen & Ink Drawing |
| 5. Pastel Drawing | 11. Crayo-Pas |
| 6. Pencil Drawing | 12. Tile Design |

Art III – F #119, Art III – S #278
Art IV – F #120, Art IV – S #279
Grade(s): 11, 12

Credits: 2
Semesters: F/S/Y
Prerequisite: Art I & Art II

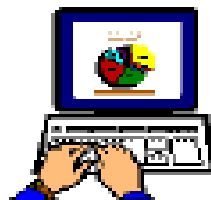
Involves much variety, and the freedom to choose the type of art from which the student feels he or she can create top quality work. Six major projects are due each semester that prepare students for a variety of art work needed in portfolios and for scholarship purposes, should they wish to continue their education in the field of art.

INTERDISCIPLINARY

Future Problem Solving #139
Grade(s): 9, 10, 11, 12

Credits: 1/4 cr. per year
Semesters: Y
**Prerequisite: selected for the
Extended Learning Program**

The Future Problem Solving model is used to solve problems in three major topic areas (to be determined each year by the International Future Problem Solving Organization). Students develop skills in the areas of problem solving, oral and written communication, research, teamwork and decision making. The students must have been involved in Future Problem Solving in 7th and 8th grades or be selected for the Extended Learning Program in order to be eligible.



BUSINESS AND COMPUTER

Keyboarding #61

Grade(s): 9, 10, 11, 12

Credit: 1

Semesters: 1 F

Prerequisite: None

The primary emphasis in Keyboarding is on developing good keyboarding techniques and habits which will help students improve their overall typing skill. Speed and accuracy will also be emphasized. Students will be exposed to proofreading marks, the formatting of letters, memorandums, reports, and tables in Microsoft Word. Keyboarding serves as a foundation for future courses in the Business and Office/Career technology field. Students should not be surprised to find out that the majority of class time is spent typing!

Business Law #68

Grade(s): 10, 11, 12

Prerequisite: None

Credit: 2

Semesters: Y

Provides a good background of today's legal system and how the law affects you personally. Students will become more alert and aware of their rights, responsibilities, and risks as prescribed by law. Students will work to gain an understanding of basic legal vocabulary, occupations in the legal field, and regulations governing different types of business organizations. Some topics include: law, ethics, constitutional rights, court system, contracts, debtors, creditors, and bankruptcy. Business law is a useful and beneficial course regarding legal issues for all students before venturing into the "real" world.

Accounting I #66

Grade(s): 9, 10, 11, 12

(if room permits)

Credit: 2

Semesters: Y

Prerequisite: None

Offered every other year opposite Acct. II

The primary focus of this class is to understand all aspects of the accounting cycle. Record keeping will be learned and practiced for a service business run as a sole-proprietorship as well as a merchandising business run as a partnership. Other topics such as checking accounts, payroll records, and special journals will also be covered. This is an essential course for those who are considering going into business.

Accounting II #67
Grade(s): 10, 11, 12

Credit: 2
Semesters: Y
Prerequisite: Accounting I
Offered every other year opposite Acct. I

This class covers topics that were not covered in Accounting I. The major focus will be on corporation record keeping. The students will be able to prepare and analyze financial statements. This is an excellent course for those who are planning on going into any area of business.

Computer Applications #62
Grade(s): 9, 10, 11, 12

Credit: 1
Semesters: 1 S
Prerequisite: None

This introductory course will provide an in depth exploration of Microsoft Word as applied to business or personal use. The course is a hands-on exploration of Microsoft Word 2007 which provides students with the ability to develop documents including flyers, papers, cover letters, resumes, tables, charts, watermarks, form letters, mailing labels, and newsletters, among other things. Students will also be exposed to PowerPoint, Excel, Outlook, and other Microsoft Office programs, although a majority of the time will focus on Microsoft Word.

Advanced Computer Applications #64
Grade(s): 10, 11, 12

Credit: 1
Semesters: 1 F
Prerequisite: Computer Applications

Advanced Computer Applications will help students master computer skills as they relate to the business world. Students will design many business documents for their own business. Some of the documents include a business plan, logo, customer database, placemat, coupon flyer, grand opening advertisement, menu, and employment application. Many Microsoft Office and other applications will be used to create these documents.

Excel #72
Grade(s): 10, 11, 12

Credit: 1
Semesters: 1 S
Prerequisite: Adv. Comp. App.

This course introduces spreadsheet users to intermediate and advanced features and techniques that will increase productivity in preparing and using spreadsheets for financial and analytical purposes. Microsoft Office Excel 2007 will be used to organize and sort data, analyze data, create pivot tables, add graphics and charts, and work with macros, among other things. The majority of class time will be spent actually working on projects in Excel.

Beginning Programming: #70
Grade(s) 10, 11, 12

Credit: 1
Semesters: 1 F/S
Prerequisite: Alg. I or Alg. B

A course designed to give students an introduction to computer programming. Skills in the use of variables, lists, loops, and read-data processes will be studied. These new programming commands and concepts will allow students to practice important problem solving skills such as logic, planning, team-work, and troubleshooting. Students will be given a question or a problem and they will need to write a new program that provides the solution.



Family and Consumer Sciences

Family and Consumer Science classes develop skills that will be used in personal life, at home, and on the job. The courses are designed to assist the student in the development of attitudes, appreciation, understandings, and techniques necessary for these skills.

Because each person's contributions to society depends heavily on early family experiences, education for home and family life is offered to all students, both boys and girls, during their high school career. Regardless of interests, intelligence, or background, a person's success, satisfactions, and growth toward maturity will depend largely upon his/her ability to relate to others, to set realistic personal goals, and to manage resources. Ultimately, Family and Consumer Science classes prepare students for a more satisfying life.

Family Consumer Science 1 #73

Fabric/Fashion/Banking

Grade(s): 9, 10, 11, 12

Credit: 1

Semesters: F/S

Prerequisite: None

Learn skills, which will help you throughout your life! There will be many hands-on and discussion activities covering fashion, clothing quality, sewing, sewing machine safety, and personal growth. A sewing project will be required. We will also develop your skills and knowledge in the area of banking and record keeping.

Family Consumer Science II #74

(Food Technology-Housing)

Grade(s): 9, 10, 11, 12

Class size: 16

Credit: 1

Semester: F/S

Prerequisite: None

Wanting to develop your skills in food knowledge and preparation with additional information about career work ethics and work habits? This is the course to take!! Getting ready for the food service career areas and establishing good work ethics will be studied, along with many hands-on activities concerning food preparation, nutrition, food safety, time management, and kitchen upkeep.

Open the door to the world of housing styles, knowledge about your community, career opportunities, construction basics, design in furnishing and decorating, using textiles in the home, planning interiors, and consumer concerns. You will be able to apply your knowledge learned in class to many hands-on applications and there will be a strong emphasis to explore our community for skills needed for job opportunities in the housing related professions.

Foods and Nutrition #75**Grade(s): 10, 11, 12****Class size: 12****Credit: 1****Semesters: F/S****Prerequisite: Family Consumer Sci. II
(and a passing grade)**

Food and Nutrition gives students a chance to learn basic food preparation skills that will last a lifetime. Approximately two days per week is spent in lab preparing a wide variety of foods from all the food groups. Emphasis will be given to healthy eating and making wise food choices as well as time management, recipe skills, food shopping and possible careers in food service. Students will also discover how new information and research can have an effect on personal wellness.

Family Living #78**Grade(s): 10, 11, 12****Credit: 1****Semesters: F/S****Prerequisite: None**

Ready to move out and be on your own!!! This class will help you look at some of the issues you will be faced with. Topics covered will be: the challenges of moving away from home (supplies for a home, dealing with neighbors, car maintenance), care/management of an apartment, employment for you, tax preparation, decisions people have to make, communication, relationships with others, choosing a mate, marriage, establishing a family, and challenges in a family.

Child Development II – F #77**(Children from 1yr to 5 yrs.)****Child Development I – S #281****(Pre-pregnancy to birth)****Grade(s): 9, 10, 11, 12****Credit: 1 per semester****Semesters: F/S/Y****Prerequisite: None**

Students who are interested in working with children or becoming parents in the future will gain knowledge about the growth and development of children from conception through elementary school age. With better awareness of the needs of children in various stages of growth, students will be able to apply effective discipline and guidance strategies and evaluate the quality of childcare options. Students will be involved in making learning activities for children, exploring international adoption, and other projects. Videos, puzzles, games, and role playing activities will enhance their knowledge and experiences.

Creative Stitchery and Clothing #76**Grade(s): 10, 11, 12****Credit: 1****Semesters: F/S****Prerequisite: Family Consumer Science I
(and a passing grade)**

Be creative in a fabric sense! Learn how to create neat and interesting items, which involve creative stitching. Try your hand at making a wall quilt, pillows, crafts, and other sewing items. This class will be hands-on involving creative thinking, accurate measurements, skill development, making use of resources, and having fun! Be there and learn!!! Your efforts and skills learned will pay off in the future!! Completing three individual projects will be required.

FOREIGN LANGUAGE

Spanish I #101

Grade(s): 9, 10, 11, 12

Credits: 2

Semesters: Y

Prerequisite: None

Spanish I is an introduction to the Spanish language. It introduces and develops the listening and speaking skills. Students are introduced to "everyday things" such as weather, time-telling, family, food, clothes, etc. Grammar includes the present tense. Culture includes learning about Hispanic speaking countries.

Performance is measured with oral and written tests, quizzes, daily assignments and projects.

Spanish II #102

Grade(s): 10, 11, 12

Credits: 2

Semesters: Y

Prerequisite: Spanish I

Spanish II is a continuation of Spanish I. There is continued emphasis on listening and speaking skills. Grammar includes the past tenses and continues to build to more advanced levels. Culture includes learning Hispanic traditions.

Performance is measured with oral and written tests, quizzes, daily assignments and projects.

Spanish III #103

Grade(s): 11, 12

Credits: 2

Semesters: Y

Prerequisite: Spanish II

Spanish III begins with a review of Spanish II. More vocabulary, grammar and verb tenses are presented. Increased emphasis on listening comprehension skills, writing, reading and speaking. Culture includes learning Hispanic traditions, artists, and legends.

Performance is measured by oral and written tests, quizzes, projects and daily assignments.

Spanish IV #104

Grade: 12

Credits: 2

Semesters: Y

Prerequisite: Spanish III

Spanish IV combines all skills: listening comprehension, speaking, reading and writing. Previous grammar is reviewed and expanded during the year. More verb tenses are presented. Listening comprehension and oral usage are expanded upon. Basic literature is introduced from in and outside of the text. Culture includes learning about Hispanic traditions, art and literature.

Performance is measured by oral and written tests, quizzes, daily assignments and projects.



HEALTH AND PHYSICAL EDUCATION

Health – F #106, Health – S #105
Grade (s): 9, 10, 11, 12

Credits: 1 per semester
Semesters: F/S/Y
Prerequisite: Positive attitude

The goal of health class is to prepare students for lifelong wellbeing. The fall semester focuses on mental health, social health, physical health, the fitness components, and nutrition. The topics for the spring semester include communicable and non-communicable diseases, STDs, pregnancy, drugs and alcohol, first aid, human anatomy and physiology, and other topics as time allows. The class is taught through lecture, projects, discussion, and many classroom activities.

Physical Education #115
Grade(s): 9, 10, 11, 12

Credit: ½
Semesters: Y
Prerequisite: None

All students are required to take physical education or strength and conditioning. P. E. classes meet twice a week and are held on Tuesday and Thursday. Students will receive ½ unit of credit per year for successfully passing the course. A wide variety of indoor and outdoor games, sports, and activities will be covered over the course of the year.

Strength and Conditioning #116
Grade(s): 9, 10, 11, 12

Credit: ½
Semesters: Y
Prerequisite: None

This class is limited to 12-14 students per period. The instructor will decide who will get in the class if more than this number sign up in any one period. Older students and students involved in athletics will be admitted first. Each student will be put on a program and worked with on an individual basis. This class meets Monday, Wednesday, and Friday all year long. Just as in physical education, students will receive ½ unit of credit per year, satisfying the physical education requirement.

Early Bird Strength and Conditioning #114
Grade(s): 9, 10, 11, 12
Prerequisite: None

Credit: ½
Semesters: F/S/Y

Athletes signing up for this class will meet every Monday, Wednesday and Friday morning from 7:00 a.m. until 7:45 a.m. Non-athletes will meet every Tuesday and Thursday from 7:00 a.m. to 8:00 a.m. The participants will utilize the same lifting program as used during the day along with the same rules and grading. The students are expected to provide their own transportation.



INDUSTRIAL TECHNOLOGY

Technical Drawing #81

Grade(s): 9, 10, 11, 12

Class size: 14

Credits: 1

Semesters: F

Prerequisite: None

This course offers students the opportunity to learn and practice creating concept sketches to communicate a design idea to paper. The students will then progress to board drafting. Here they will learn about basic drafting equipment and how to utilize this equipment to create basic technical/mechanical type drawings. This course is a prerequisite of CAD-Level I, Construction Engineering and all cabinetry courses.

Cost: None

CAD – Level I #145

Grades: 9, 10, 11, 12

Class Size: 10

Credits: 1

Semesters: S

Prerequisite: Tech Drawing

This course will primarily focus on the competencies needed to become a basic CAD operator. Students will learn to use computer aided drafting software, and to enhance the skill learned in Technical Drawing. This course is a must for anyone planning to pursue any engineering construction, or interior design careers.

Cost: None

Modular Technology Lab #83

Grade(s): 9, 10

(No Juniors or Seniors)

Class size: 14

Credits: 1

Semesters: F/S

Prerequisite: None

This course gives students the opportunity to explore several different technological systems in a hands-on project based learning environment. Students will get the opportunity to work in the shop to create actual projects that they will be able to take home when completed. Projects may include but not be limited to: CO2 racecars, trebuchets, solar racecars, bridges, rockets, an electronics project, etc.

Construction Engineering #82**Grade(s): 10, 11, 12****Class size: 10****Credits: 2****Semesters: Y****Prerequisite: CAD-Level I**

This course will primarily focus on developing student competencies in the area of building construction. Students will design and draw (on computer) a series of plans that encompass most areas of building construction. Students will develop an understanding of many aspects of building and of the construction industry. This course will benefit anyone interested in a career with residential construction, architectural engineering, and interior design.

Woodworking Technology #85**Grade(s): 10, 11, 12****Class size: 14****Credits: 2****Semesters: Y****Prerequisite: CAD Level I**

This course offers students the opportunity to work in a more traditional shop setting. This class will allow students to learn and practice some of the most recent woodworking techniques along with some of the tried and true techniques still in use. Students will learn the proper way to use hand and power tools. Safety will be taught throughout the planning, designing, and constructing phases of this course. Students will be responsible for designing, planning, and building various projects. The cost of this class is based on the project and the material expense.

Adv. Woodworking Technology #87**Grade(s): 11, 12****Credits: 2****Semesters: Y****Prerequisite: Woodworking Technology**

This course offers students the opportunity to continue to work in a more traditional shop setting. This class will allow students to learn and practice some of the most recent woodworking techniques along with some of the tried and true techniques still in use. Students will learn the proper way to use hand and power tools. Safety will be taught throughout the planning, designing, and constructing phases of this course. Students will be responsible for designing, planning, and building various projects. The cost of this class is based on the project and the material expense.

Electricity & Electronics #84**Grade(s): 10, 11, 12****Class size: 14****Credits: 1****Semesters: F/S****Prerequisite: Algebra 1**

This course offers students the opportunity to observe how electronics affects daily life. Students will learn how to work with both AC and DC electronics. The class will consist of several different projects. Students will also learn how to use several tools of the trade along with some of the basic circuit construction techniques. Any fee for the class will be determined by the amount of materials that go into projects that become student property.

CAD – Level II #150**Grades(s): 11, 12****Class Size: 10****Credits: 2****Semesters: Y****Prerequisite: Technical Drawing & CAD I**

This course offers students the opportunity to expand on the concepts learned in Technical Drawing and CAD Level I. Emphasis will be placed on 3D solid models and developing technical drawings from these models. Upon completion of the course, each student will have developed a portfolio of all their work. This course is highly recommended for anyone planning on pursuing a career as a machinist, mechanical engineer, architectural engineer, or any other manufacturing technology fields.

Construction Trades #55**Grade(s): 10, 11, 12****Credits: 1****Semesters: F/S****Prerequisite: None**

This class will cover a unit in concrete and completing a concrete project. The electrical units include the basics of electrical wiring. Other units covered may include plumbing, insulation, solar energy, and surveying.



LANGUAGE ARTS

English I, II, and III are required of all students. All other classes may be considered electives.

English I #31

Grade 9

Credits: 2

Semesters: Y

Prerequisite: None

This required freshman course is a continuation of the development of skills introduced in junior high language arts. English I centers around vocabulary, spelling, writing, and literature skills used on a regular basis in everyday life. A survey of literature covered includes the short story, the novel, drama, and poetry if time permits. Grades will be based on daily work and participation, test and quiz scores, and special projects.

English II #32

Grade: 10

Credits: 2

Semesters: Y

Prerequisite: English I

English II continues the development of literary knowledge, grammar and writing skills. A survey of literature studied includes short stories, drama, the novel, and poetry if time permits. Writing assignments relate to lessons in grammar and information connected to literature that is studied. Students write a research paper and give an oral presentation based on their research.

English III #33

Grade: 11

Credits: 2

Semesters: Y

Prerequisite: English II

American Literature is a one-year, language arts requirement. It is intended to improve independent reading comprehension, develop analytical writing ability, and provide a general knowledge of American Literature.

English IV – F #34

English IV – S #284

Grade: 12

Credits: 1 or 2

Semesters: 1 or 2 F/S/Y

Prerequisite: English III

English IV is a one-year language arts course designed as a chronological survey of the major writers of England and the rest of the area. Students are exposed to those elements, which influenced the evolution of British Literature.

**Advanced Placement Literature #35
and Composition**
Grade: 12

Length/Credit: 1 yr., 2 cr.
**Prerequisite: English III; 80th% or
better on the reading and/or literary
materials section of the ITED exams**

AP English is a two semester course for seniors capable of doing advanced work in reading, literary analysis, and expository writing who wish to pursue college level studies while still in high school. Ultimately, students should acquire the literary background, practice in composition, and training in the expression of clear thought, which will prepare them for the Advanced Placement Examination, administered yearly by the College Board.

20th Century Mass Media #274
Grade(s): 9, 10, 11, 12

Credits: 1
Semesters: F
Prerequisite: None

This course is an opportunity for students to study the literature and history of our entertainment system. Students will write brief comparisons of films and actors. They will analyze the art of humor, playing to the audience, and including political and social commentary as part of entertainment. Reading and writing will be required for this course, though not at as an advanced level of college-gearred classes.

Students will study Mass Communication by genre and its chronological development throughout the 1900s. Tapes of radio performances, clips from television, scripts of various shows, commercials, and movie samples will be some of the material used in the study of this literary form.

Communication Skills #36
Grade(s): 9, 10, 11, 12

Credits: 1
Semesters: S
Prerequisite: None

The purpose of this course is to give the student experience in interpersonal communication as well as public speaking. Formal speaking will include persuasive, process, informative, and entertaining speeches, group discussion, and job interview techniques.

Research Skills #37
Grade(s): 11, 12

Credits: 1
Semesters: F/S
Prerequisite: None

This course is designed to show the fundamentals of accessing information from any media center. Students will learn how and when to use print reference material, on-line database resources and CD-ROMS. Students are also taught how to access digital material and photos in order to change and manipulate them. Scanner and digital technology is taught. In addition to weekly assignments, several technology projects are due throughout the semester. This is a hands-on, work at your own speed type of course and daily attendance is mandatory. This course counts as an English elective.

Technology & Media Production #273
Grade (s): 9, 10, 11, 12

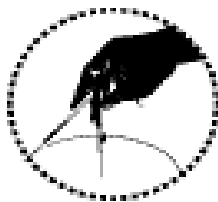
Credits: 2
Semester: Y
Prerequisite: None

Effective August 2011, this will again be a graded course. Students will be involved in writing and producing at least one promotional advertisement for the Westwood School. Students will also create several inspirational photographic posters that will be displayed around the building. Students will be expected to sell two full pages of advertising, complete 6 to 10 yearbook pages and write newspaper stories as needed. The number of pages and newspaper stories will depend on the number of students involved in the class. This is a year long class.

Great Books – F #238
Great Books – S #285
Grade(s): 9, 10, 11, 12

Credits: 1 or 2
Semesters: 1 or 2 F/S/Y
Prerequisite: None

Great Books is a one year English course offered to high school students who like to read. Discussion based, “dig in” and explore and critique some of the world’s classic literature all the way up to today’s modern works. Students will be encouraged to ask questions of themselves, the authors, and their peers. We will discuss and write about theme, characterization, philosophy, genres, and setting. (Great Books may also be taken as a semester course.)



MATHEMATICS

The mathematics program at Westwood High School is set up in the following sequence. In order to have adequate background, it is recommended that the student stay with this sequence: Algebra I, Geometry, Algebra II, Pre-Calculus. For students not pursuing post-secondary education, General Math followed by Pre-Algebra may be an option. Three years of math will be required, for students graduating in 2011.

Algebra A #1

Grade(s): 9, 10, 11, 12

Credits: 2

Semesters: Y

Prerequisite: none

The first year in a 2 year sequence covering Pre-Algebra and Algebra I concepts. During the first semester of Algebra A we will cover Pre-Algebra concepts. The second semester will consist of Algebra I concepts. Only 1 of the 2 credits earned here count towards admission requirements at most 4 year colleges and universities.

Algebra B #3

Grade(s): 9, 10, 11, 12

Credits: 2

Semesters: Y

Prerequisite: Algebra A

The second year in a 2 year sequence covering Algebra concepts. This year we will cover Algebra I concepts not covered in Algebra A. Upon the completion of Algebra A & B the student will have covered the same concepts as in Algebra I. Only 1 of the 2 credits earned here count towards admission requirements at most 4 year colleges and universities.

Algebra I #4

Grade(s): 8, 9, 10, 11, 12

Credits: 2

Semesters: Y

Prerequisite: Pre-Algebra

The fundamentals of arithmetic are expanded to solve problems which are not solvable by simple arithmetic. In Algebra, letters are used instead of numbers to represent unknown quantities, and problems are solved in using these letters. Algebra attempts to develop the student's common sense thinking and reasoning powers. This course is a prerequisite for the college bound student. Any student who has done high "C" work or above in Pre-Algebra should be capable of doing Algebra I.

Consumer Math #63**Grade (s): 11, 12****Credits: 2****Semesters: Y****Prerequisite: Algebra B**

Consumer math is a full year course designed to fulfill student's third year requirement in Mathematics. Among other things, the course will help develop and reinforce mathematical skills needed to succeed in today's world. Topics include, construction, set design and construction, budgeting, taxes, credit, car and home purchasing and maintenance costs.

Geometry #6**Grade(s): 9, 10, 11, 12****Credits: 2****Semesters: Y****Prerequisite: Algebra I or Algebra B**

Geometry is a math course designed to follow Algebra I. The focus of the study is on spatial relationships of two-dimensional objects. Reasoning and continuation of algebra skills are included in the course. Geometry should be taken by anyone that intends to continue education at the college level. Any student who has done "C" work or above in Algebra I should be capable of completing Geometry.

Algebra II #5**Grade(s): 10, 11, 12****Credits: 2****Semesters: Y****Prerequisite: Geometry**

This course contains the necessary review of first-year Algebra. Algebra II covers topics of imaginary and complex numbers, logarithms, some numerical trigonometry and functions. This course is a prerequisite for college bound students. This course is a more in depth study of the topics of Algebra I. Any student who has done "C" work or above in Geometry should be capable of completing Algebra II. Each student should have a scientific calculator, a notebook or a composition book containing graph paper. There will be work done on a graphing calculator, but no need to purchase one.

Advanced Math #7**Grade(s): 11, 12****Credits: 2****Semesters: Y****Prerequisite: Algebra II**

Advanced Math is an upper level math course offered to college bound students who have taken Algebra II and are preparing to take A.P. Calculus. The topics covered include algebra, geometry, trigonometry, discrete math, mathematical analysis, and pre-calculus. Any student who has done strong "C" work or above in Algebra II should be successful in Advanced Math. Each student should have a scientific calculator, notebook or composition book containing graph paper. There is extensive work on a graphing calculator. Calculators may be checked out overnight; any damage will be charged to the student or you may provide your own.

A.P. Calculus #8**Grade(s): 12****Credits: 2****Semesters: Y****Prerequisite: Advanced Math**

A fifth year of math is offered to Westwood students interested in pursuing a career where math will be an essential part of their college education. This course will continue to prepare our seniors for college calculus. At the end of the course, students should be prepared for the Calculus AB exam as administered by the AP College Board. This allows the student the possibility to receive college credit for calculus.

Probability and Statistics #9**Grade(s): 10, 11, 12****Credits: 2****Semesters: Y****Prerequisite: Algebra I or Algebra B**

Probability and Statistics is a course designed to give the student a comprehensive view of introductory statistics and probability. Statistics play a large part in our world today. This course will assist the student in the collecting of data, analyzing it, and making meaningful decisions based on the data.



MUSIC

Band #92

Grade(s): 9, 10, 11, 12

Credits: 2

Semesters: Y

Prerequisite: None

Band is an elective which will consist of concert band in the fall and spring semesters, pep band in the fall and spring semesters, as well as solo small ensemble contests, large group contests, honor bands and numerous other opportunities for students to excel. Jazz band is an elective subdivision of concert band which rehearses before school.

Participation in daily rehearsals, concerts, performances, large group and solo/ensemble competitions, and lessons are all required. Instrumental music will instill in members a life long love and appreciation for instrumental ensembles. All members need to realize the importance of individual practice time.

Vocal #91

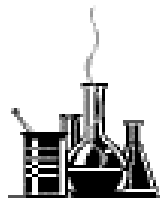
Grade(s): 9, 10, 11, 12

Credits: 2

Semesters: Y

Prerequisite: None

Vocal music is an elective co-curricular class which is open to all students in grades 9-12. Participation in daily rehearsals, concerts, state large group contest, and individual/group lessons are requirements for the course. Westwood currently offers the following performance opportunities: mixed chorus, treble clef chorus, bass clef chorus, chorale (top auditioned choir), madrigal (selected by audition), Rebelaires Show Choir (top auditioned show choir), state solo/ensemble contest, and the bi-annual musical. There are four major concerts throughout the school year. Fundamental singing techniques are stressed and a wide variety of music is taught.



SCIENCE

Integrated Science #20

Grade: 9

Credits: 2

Semesters: Y

Prerequisite: None

The purpose of this course is to expose the students to the basic principles of earth and physical science. The course will give insight into the means by which scientific knowledge is acquired using the inquiry method. The class work includes discussions, labs, and projects with the emphasis on hands-on activities. The class is designed to serve as a foundation for those taking physics and chemistry later as well as students who are taking no further science.

Biology #21

Grade(s): 10, 11

Credits: 2

Semesters: Y

Prerequisite: Integrated Science

This course is designed for students who do not plan on going to a four year college program. Biology is a branch of Science devoted to the study of life. In this course students study the concepts of Biology on a basic level. A general study of ecology, cell parts and functions as well as plants and animals. Evaluation is accomplished by written daily assignments, oral and written reports, worksheets, labs; as well as chapter and semester tests.

Biology-Advanced Studies #19

Grade(s): 9, 10

Credits: 2

Semesters: Y

Prerequisite: Integrated Science, or A in Jr. High Science Class, or teacher approved

A branch of science devoted to the study of life. In this course students study to a general degree ecology, the cell and its parts as well as genetics. Anatomy (structure) and physiological (function) aspects of many living organisms will be explored. Involved within the study of organisms such as gymnosperms, flowering and non-flowering plants, invertebrates and vertebrates including the human species. Evaluation is accomplished by written daily assignments, oral and written reports, worksheets, dissection of invertebrate and vertebrate organisms as well as chapter and semester tests and other laboratory experiments.

Natural History of Iowa #17
Grade(s): 11, 12

Credits: 2
Semesters: Y
Prerequisite: Biology

This course will follow the changes in Iowa's environment from the beginning of time to present. The focus will be on the changes in the geology, flora and fauna as a result of these environmental changes. There will be a special emphasis on Iowa's unique features of the Loess Hills and tall grass prairies. This will be a year long course that will count toward the three years of science required to graduate.

Physiology #24
Grade(s): 11, 12

Credits: 2
Semesters: Y
Prerequisite: Adv. Studies Biology

The study of the human body, its systems, and their functions in maintaining life is basically what this course is about. The course covers units in genetics, reproduction, metabolism, and fitness. Humans are compared as organisms to various animals. This course is excellent for anyone considering entering any health or medical profession.

Chemistry #22
Grade(s): 10, 11, 12

Credits: 2
Semesters: Y
Prerequisite: completed Algebra I or Algebra B

Covers the basics of chemistry beginning with a review of math operations, graphing (using Excel), and functions. The course begins with a review of the general properties of matter and progresses to a study of atomic structures, elements, organization and use of the periodic table, balancing and writing equations, general reaction principles, solutions, a brief study of organic chemistry, and nuclear chemistry and principles. Students will perform lab investigations and emphasis will be placed on relating and identifying chemical processes and activities important in real-life situations.

Physics #23
Grade(s): 10, 11, 12

Credits: 2
Semesters: Y
Prerequisite: Completed Geometry

The course begins with a review of math operations and graphing (using Excel). This course provides students with the opportunity to investigate the physics concepts related to motion, forces, work, power and energy. Lab activities and projects, which require the student to apply the concepts covered in the course, offer students the ability to develop the skills and confidence to solve problems. Students should expect the extensive use of their Algebra I and Geometry skills.

Science Seminar #25**Grade(s):12****Credits: 2****Semesters: Y****Prerequisite: Completion of
Chemistry & Physics**

This is an integrated science course emphasizing the interdependence of all fields of science. This course will require students to apply learning from previous courses such as biology, chemistry, and physics. Students will have several research projects to be completed each semester. A variety of topics will be explored, including biochemistry, environmental science, biotechnology (DNA), and pharmacology. Students will also explore several of the ethical questions raised by these topics.



SOCIAL STUDIES

A student must take six semesters of social studies. One year of American History and one semester of American Government are the only specific requirements.

World History – F #41

World History – S #287

Grade(s): 9, 10, 12

Credits: 1 or 2

Semesters: 1 or 2 F/S/Y

Prerequisite: None

This class is designed to give those students interested in history a chance to explore various questions of history throughout the recorded history of the world. First semester topics will include Ancient Greece, the rise and fall of the Roman Empire, the major religions, the Crusades, Renaissance, Reformation, French Revolution, and Napoleon's rise and fall from power. The second semester topics will include the Russian Revolution, WWI, WWII, the "Cold War", Korean War, Vietnam War, Cuban Missile Crisis, Middle East conflicts, along with current events. The focus of the class will be in relating the problems faced in the past to those we face today. A student may take World History all year or either semester.

American History #43

Grade: 11

Prerequisite: None

Credits: 2

Semesters: Y

The basic purpose of American History is to help students understand the significance of our American Heritage upon our lives today. Emphasis is on historical events, people, and the culture of the United States. The first semester will cover the founding of America to approximately 1941. The second semester will deal with the growth of the United States from 1941 to the present. Evaluation will be based on daily assignments, test scores, and outside research projects.

Sociology #46

Grade(s): 11, 12

Credits: 1

Semesters: F/S

Prerequisite: None

Sociology devotes itself to man and his activities in the social group. It is concerned with the way the group shapes children to fit group life, with the unique behavior of different groups, and with the problems which arise when people live together in groups. Unit highlights include Social organization, changes in society, family, government, business, and religion as social institutions, and a unit covering the social problems of over-population, the cities, prejudice, crime and delinquencies, and poverty and health. Evaluation will be based on daily quizzes, testes, and attendance.

Current Affairs #47
Grade(s): 9, 10, 11, 12.
Prerequisite: None

Credits: 1
Semesters: F/S

“Newsweek” magazine will be used as one of the texts. It gives students up-to-date information on what is happening around the world. Politics, sports, crime, business, movies, and other current subjects will be covered. There will also be a current event game that is used once a week. Evaluation will be based upon weekly tests over the magazine, game participation, and a long-term scrapbook assignment.

Government I #44
Grade 12

Credits: 1
Semesters: F/S
Required for Graduation

The emphasis is on the study of our national government. Students will be looking at how the American system of government is organized, and the ways in which it functions today. Basic units will include democracy, history of the Constitution, civil rights, voting, federalism, the office of the president, congress, and the courts. Evaluation will be based on weekly quizzes, daily notes, and tests over each unit.

Government II #45
Grade 11, 12

Credits: 1
Semesters: F/S

American Government II will be a continuation of American Government I and will take a closer look at local governments, laws, and important court cases dealing with citizens' rights.

Cultures of the World – F #42
Cultures of the World – S #282
Grade(s): 9, 10, 11, 12

Credits: 1 or 2
Semesters: 1 or 2 F/S/Y

Cultures of the World is a class that examines different cultures compared with the United States. The first semester deals with Western ideas on population, the environment, language, traditions, customs, religion and ethnic diversity. The second semester deals with cultures from Europe, Africa, Asia, South America, and Australia.

Community Service
Grade(s): 9, 10, 11, 12

Credits: 1 citizenship cr. upon completion of 20 hrs.
Required for Graduation

Starting with the class of 2012 all students will be required to complete 20 hours of Community Service in order to graduate. These hours can include, but not limited to, working school concession stand, church activities, helping with youth sports programs, salt deliveries, blood drive, family fun night, and any other service for the community. The students will need a log of their activities signed by the community member in charge.