

**Sandwich High School 4-Year Plan College Preparatory**

Recommended subjects for students who plan to continue their education

<b><u>Freshman Year</u></b>	
<b><u>Course</u></b>	<b><u>Credit</u></b>
English I/Adv. English I	1
Algebra I/Adv. Geometry	1
Intro to Phys. Science/Biology I	1
Physical Education	1
Foreign Language _____	1
Social Studies _____	1/2
Social Studies _____	1/2
Elective/Study Hall _____	
Elective/Study Hall _____	

<b><u>Sophomore Year</u></b>	
<b><u>Course</u></b>	<b><u>Credit</u></b>
English II/Adv. English II	1
Geometry/Adv. Algebra II	1
Biology I/Chemistry I	1
Health	1/2
Driver's Education	1/2
Foreign Language _____	1
Social Studies _____	1/2
Social Studies _____	1/2
Speech	1/2
Elective/Study Hall _____	

<b><u>Junior Year</u></b>	
<b><u>Course</u></b>	<b><u>Credit</u></b>
English III/Adv. English III	1
American History/Adv. Am. History	1
Physical Education	1
Algebra II/Trig/Pre-Calculus (Adv).	1
Chemistry I/Bio II/Chem II	1
Social Studies _____	1/2
Social Studies _____	1/2
Elective/Study Hall _____	
Elective/Study Hall _____	

<b><u>Senior Year</u></b>	
<b><u>Course</u></b>	<b><u>Credit</u></b>
English IV/Adv. English IV	1
Consumer Education	1/2
Physical Education	1
Trig/Pre-Calculus (Adv)/Calculus	1
Biology II/Chem II/Physics	1
Elective _____	1/2
Elective _____	1/2
Elective _____	1/2
Elective/Study Hall _____	
Elective/Study Hall _____	

\*23 Credits are required for graduation.

\*2 semesters of elective classes MUST be Social Studies courses.

\*2 semesters of elective classes MUST be humanities or vocational education.

**Sandwich High School 4-Year Plan General/Technical Curriculum**

<b><u>Freshman Year</u></b>	
<b><u>Course</u></b>	<b><u>Credit</u></b>
English I	1
Math _____	1
Science _____	1
Physical Education	1
Elective _____	1/2
Elective _____	1/2
Elective _____	1/2
Elective _____	1/2
Elective/Study Hall _____	
Elective/Study Hall _____	

<b><u>Sophomore Year</u></b>	
<b><u>Course</u></b>	<b><u>Credit</u></b>
English II	1
Math _____	1
Science _____	1
Health	1/2
Driver's Education	1/2
Speech	1/2
Elective _____	1/2
Elective _____	1/2
Elective _____	1/2
Elective/Study Hall _____	
Elective/Study Hall _____	

<b><u>Junior Year</u></b>	
<b><u>Course</u></b>	<b><u>Credit</u></b>
English III	1
American History	1
Physical Education	1
Math _____	1
Elective _____	1/2
Elective _____	1/2
Elective _____	1/2
Elective _____	1/2
Elective/Study Hall _____	
Elective/Study Hall _____	

<b><u>Senior Year</u></b>	
<b><u>Course</u></b>	<b><u>Credit</u></b>
Consumer Education	1/2
Physical Education	1
English (Class of 2012, 2013)	1
Elective (Class of 2011)	1/2
Elective (Class of 2011)	1/2
Elective _____	1/2
Elective _____	1/2
Elective _____	1/2
Elective _____	1/2
Elective _____	1/2
Elective _____	1/2
Elective _____	1/2
Elective/Study Hall _____	
Elective/Study Hall _____	

\*23 Credits are required for graduation.

\*2 semesters of elective classes MUST be Social Studies courses.

\*2 semesters of elective classes MUST be humanities or vocational education.

## DIRECTIONS:

List the courses you plan to take next year on a separate sheet of paper (check next page for requirements) or use the 4 plan worksheet on page 1 or 2 and determine your total credit count.

All students must carry a minimum load of 6 credits per year. Students enrolled in IVVC must take two additional classes plus P.E. each semester.

## FRESHMEN

Science (2 Semesters)	1 Credit
Math (2 Semesters)	1 Credit
English (2 Semesters)	1 Credit
Electives (4 Semesters)	2 Credits
Phys. Ed. (2 Semesters)	<u>1 Credit</u>
	6 Credits

## SOPHOMORES

Drivers Ed. (1 Semester)	1/2 Credit
Health (1 Semester)	1/2 Credit
English (2 Semesters)	1 Credit
Speech (1 semester)	1/2 Credit
Math (2 Semesters)	1 Credit
Science (2 Semesters)	1 Credit
Electives (4 Semesters)	<u>2 Credits</u>
	6 1/2 Credits

## JUNIORS

Am. History (2 Semesters)	1 Credit
English (2 Semesters)	1 Credit
Electives (4 Semesters)	2 Credits
Phys. Ed. (2 Semesters)	1 Credit
Math (2 Semesters)	<u>1 Credit</u>
	6 Credits

## SENIORS

English (2 semesters) – Class of 2012, 2013	1 Credit
Consumer Ed. (1 Semesters)	1/2 Credit
Electives (7 Semesters)	3 1/2 Credits
Phys. Ed. (2 Semesters)	<u>1 Credit</u>
	6 Credits

## **GRADUATION REQUIREMENTS**

Graduates from Sandwich Community High School will have earned a minimum of 23 credits upon completion of their course work.

All students must carry a minimum load of 6 credits per year. Credits are earned by passing semester classes with a grade of A, B, C, or D.

The following items must be incorporated into the credit requirements for graduation:

1. Six Semesters of English (3 Credits) – Class of 2011. Eight Semesters of English (4 Credits) – Classes of 2012 and 2013, including one semester of Speech (1/2 credit).
2. Four Semesters of Science (2 Credits) - Must include one life and one physical science
3. Six Semesters of Math (3 Credits)
4. Four Semesters of Social Studies (2 Credits) (Must include one credit in American History)
5. Six Semesters of Physical Education (3 Credits)
6. One Semester of Health Education (1/2 Credit)
7. One Semester of Consumer Education (1/2 Credit)
8. One Semester of Driver's Education (1/2 Credit)
9. Two Semesters Chosen From:
  - a. Music
  - b. Art
  - c. Foreign Language or Vocational Education (1credit)

### **TO SUCCESSFULLY COMPLETE YOUR HIGH SCHOOL PROGRAM, THE FOLLOWING MUST BE ACCOMPLISHED:**

1. **ENGLISH**—Students must complete a total of eight semesters of English to meet graduation requirements. They must enroll in English I or advanced English I (1 credit) their freshman year. Sophomores are required to enroll in English II or advanced English II(1 credit) and speech (1/2 credit) their sophomore year. Junior students are required to enroll in English III or advanced English III. Senior students are required to enroll in English IV or advanced English IV (with the exception of the Class of 2011).
2. **SCIENCE**—Students must enroll in Introductory Physical Science, General Biology, or Biology I during their freshman year and must enroll in a science course their sophomore year. To complete this requirement, two semesters must be from a life science course and two semesters from a physical science course.
3. **MATHEMATICS**—All students must complete a total of six semesters of Math to meet graduation requirements. Students must pass Algebra I and a course containing geometry concepts in order to graduate.
4. **AMERICAN HISTORY**—Students must enroll in American history or advanced American history during their junior year. A second social studies credit must be selected from the remaining social studies electives. The U.S. and Illinois Constitution tests are given in the American history classes and must be passed in order to be eligible for graduation.
5. **PHYSICAL EDUCATION**—Students must successfully complete 3 credits of physical education during their four years in high school.
  - a. Students are required to complete a year of physical education during any semester when they are NOT enrolled in Driver's Education or Health at Sandwich High School, unless the students meet the requirements for P.E. exemption.
  - b. A "medical waiver" from physical education will verify that a student was medically unable to fulfill the physical education requirement. Students who are not physically able to complete a year of physical education (affidavit from a certified medical doctor) must enroll in another course to attain the required credits necessary for graduation.
  - c. Students failing a semester of physical education will be required to retake that semester.

6. CONSUMER EDUCATION--Students must enroll in a semester course of consumer education their senior year.
7. DRIVER EDUCATION--Students should enroll in a semester course of driver's education their sophomore year.
8. HEALTH--students must enroll in a semester course of health education their sophomore year.
9. State law mandates that all students must have taken the Prairie State Achievement Exam to be eligible for graduation.
10. In determining the awarding of credits, all decisions are based upon the successful completion of a semester of course work.
11. Sandwich High School will allow six credits of course work to apply toward graduation from correspondence schools and/or an area community college. This is primarily intended for students who have failed classes or are credit deficient. Students are permitted to take the following maximum numbers of outside credits per year. The guidance office must approve all courses: Freshmen: 1 Sophomores: 1 Juniors:2 Seniors: 2
12. Grading Scale: 90-100 A, 80-89 B, 70-79 C, 60-69 D, 0-59 F  
Numerical Basis For Grade Point Average: A = 4.000, B = 3.000, C = 2.000, D = 1.000, F = 0.000
13. Junior-Senior students may consider Waubensee Community College on shared time basis with their high school program. Students **may not enroll** in classes that are available through Sandwich High School. They must petition to take part in this program.
14. The programs at the Indian Valley Vocational Center are available for juniors and seniors. Detailed descriptions are available on pages 33-35.
15. EARLY COMPLETION--Early completion will require a formal petition by the student and his/her parents, careful review of the student's education and career plans by the high school staff, and approval of the petition by the Board of Education. In every instance, graduation requirements must be met. It is the responsibility of the student to secure an application for early completion from the Guidance Department and then to arrange for the initial conference with school authorities. The application for early completion must be submitted by October 1 of their senior year. Students electing the early completion option must agree to accept the following conditions:
  - a. To qualify for the early completion program at Sandwich High School, a student must have a minimum of seven semesters of high school attendance and must have fulfilled all graduation requirements by the conclusion of the school term and the early completion student may take part in the graduation ceremony with classmates.
  - b. Students electing the early completion option will have their GPA ranked with the class with which they entered high school.
  - c. The usual senior rights, privileges, and responsibilities will be expected from these seniors; however, participation in IHSA activities will be forfeited.
16. EARLY GRADUATION--Early graduation will require a formal petition by the student and his/her parents, careful review of the student's education and career plans by the high school staff, and approval of the petition by the Board of Education. The petition must be submitted to Sandwich High School by October 1 of the student's junior year. Students fulfilling all of these requirements and the required units necessary for graduation will be graduated and a diploma awarded at the time of the next scheduled graduation exercise. Students electing the early graduation option must agree to accept the following conditions:
  - a. To qualify for the early graduation program at Sandwich High School, the student must have a minimum of six semesters of high school attendance.
  - b. Students electing the early graduation option will have their grade average and scholastic rank based with their graduating classmates.

- c. The usual senior (i.e. fourth year) privileges, rights, and opportunities will be forfeited due to the student's early graduation, i.e. valedictorian or salutatorian honors, participation in IHSA activities.

17. STUDENT ELIGIBILITY FOR EXTRACURRICULAR ACTIVITIES - in order to be eligible for extracurricular activities, a student must be passing a minimum of 4 regular credit courses (20 hours per week). A student also must have passed 4 regular credit courses the semester prior to his/her intended participation.

### **SCHEDULE CHANGES**

Registration at Sandwich High School begins in January and concludes in March. Schedules will be generated in May, and students will be able to make changes on their schedule through the fifth day of school. The student needs to call or make an appointment with a guidance counselor to discuss and make changes.

1. **NO SCHEDULE CHANGES WILL BE MADE AFTER THE FIFTH DAY OF SCHOOL, WITH THE FOLLOWING EXCEPTIONS AT THE BEGINNING OF EACH SEMESTER:**
  - A. Failure of required course necessary for graduation.
  - B. Enrolled in too few classes.
  - C. IVVC conflict.
  - D. School error.
  - E. Teacher request.
  - F. Administrative decision.
2. Students may add a class to a period they have a study hall, if the class has space and books are available.
3. Students failing the 1st semester of a year course will not automatically be dropped at the end of the semester. Teacher recommendations, achievement test scores, and other information will be used to determine if there is reasonable cause to drop a class. Requests must be made to the Guidance Department.
4. Requests to drop/add courses at the end of the 1<sup>st</sup> semester will not be made except for reasons stated in "3".
5. Students may drop a class up to the fifth week of the semester with a withdrawal – no credit or grade – if it is their 7<sup>th</sup> class. **STUDENTS WILL NOT BE PLACED IN ANOTHER COURSE, BUT WILL BE PLACED IN STUDY HALL ONLY.** Students dropping a class after the 5<sup>th</sup> week will receive an "F" for the semester.

### **COLLEGE INFORMATION**

GENERALLY ACCEPTED GUIDELINES FOR ADMISSIONS PURPOSES:

1. You must be a graduate of an accredited (approved) high school. The North Central Accrediting Association accredits Sandwich High School.
2. General requirements
  - a. State of Illinois colleges and universities
    1. English (oral & written comm. & lit) 4 credits
    2. Social studies (history & government) 3 credits
    3. Mathematics (algebra, geometry, Algebra II) 3 credits
    4. Lab science (biology, chemistry, physics, adv. biology, adv chemistry) 3 credits
    5. Humanities (art, foreign language, music) 2 credits
  - b. Junior college
    1. Completion of college assessment test in English and math.
    2. Specific subject requirements are generally not stipulated by a two-year junior college, but will be necessary if a student plans to transfer to a four-year college.

3. A combination of class rank, college entrance examinations, and high school subject requirements is used to determine admission for colleges. Colleges may vary in their entrance requirements, but the above academic credits will admit students to the majority of four-year colleges. If a student has selected a college, he/she must study the school's special requirements and plan his/her high school program accordingly.
4. It is important that students realize that the majority of those applying to college do so during the fall semester of their senior year. Because of this, their class rank for the initial application is based only on their freshman, sophomore, and junior grades. Each school year is important. Don't expect that good grades received only during your junior and senior years will automatically allow admittance to the chosen school.
5. In order to be certified eligible for college athletics, students must meet the following criteria:
  - a. Graduate from high school.
  - b. Earn a grade point average of at least 2.0 in the core curriculum courses.  
(Please contact Guidance for core course definitions)
  - c. Earn a sum of scores of at least 68 on the ACT or 920 on the SAT.
  - d. Information on NCAA requirements is available below.
  - e. ACT must be taken on a national test day in addition to the exam given at SHS in April, along with the PSAT.
6. College visit days are available for juniors and seniors who need to visit colleges, universities, or trade and technical schools during the week. They may be taken from September through May 1, with the exception of the week before winter break and final exams. Students must see a counselor for the appropriate paperwork, have it completed two days prior to the college visit, and have a parent/guardian contact the office for approval.

#### **NCAA Clearinghouse:**

Students that are going to participate in athletics at Division I & Division II schools should become familiar with the NCAA and register at the NCAA Clearinghouse to verify eligibility. The NCAA has several core classes that are needed to qualify for the NCAA. Please visit the websites below for more information regarding NCAA athletic eligibility.

To register at the NCAA Clearinghouse please visit [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net). More information is also available at [www.ncaa.org](http://www.ncaa.org) on the NCAA organization.

#### **VOCATIONAL EDUCATION AND SCHOOL (TRADE, BUSINESS, AND VOCATIONAL SCHOOLS)**

WHEN SELECTING A VOCATIONAL SCHOOL, KEEP THE FOLLOWING IN MIND:

1. The school and its agents must be approved by the Office of the Superintendent of Public Instruction. Check with a Guidance Counselor.
2. The school must have the proper accrediting credentials.
3. Study the school catalog for information relating to curriculum and course study.
4. Visit the school to see for yourself the buildings, facilities, and activities.
5. Employers within our community can make suggestions and recommendations.
6. If you are considering more than one school, compare programs and cost.
7. When enrolling or signing a contract, be sure you understand the terms of the agreement or contract.

## REGISTRATION

On the following pages you will find a short description of the courses offered at Sandwich High School. If you have any questions, ask your guidance counselor or teachers.

Students should be aware of the importance of selecting courses in a realistic manner. Avoid confusion in the future by planning your program in advance. All classes are open to males and females.

## ENGLISH CURRICULUM

PLEASE READ THIS SECTION CAREFULLY. STARRED (\*\*\*) COURSES ARE STRONGLY RECOMMENDED FOR THE ABOVE AVERAGE ENGLISH STUDENT.

- Freshmen are required to take English I or Advanced English I.
- Sophomores are required to take English II or Advanced English II and Speech.
- Juniors are required to take English III or Advanced English III.
- Seniors are advised to take either English IV or Advanced English IV.
- Juniors and seniors can elect to take the following courses: advanced speech, drama, creative writing, mass media, or journalism.

## TRANSITIONAL ENGLISH

CREDIT: 1  
RECOMMENDATION: Approval of Guidance Office  
GRADE PLACEMENT: 9, 10, 11, and 12  
SEMESTER: Full Year  
DESCRIPTION: Transitional English is a course for students with low test scores. Students who meet the criteria may take it **one** time for a **required** English credit. Students needing to strengthen their communication skills may take the course for elective credit. Units will focus on improving reading, writing, grammar, usage, and research skills.

## ENGLISH I

CREDIT: 1 - Required Course  
GRADE PLACEMENT: 9  
SEMESTER: Full Year  
DESCRIPTION: This course emphasizes grammar, mechanics, usage, and vocabulary. Units on composition, short story, drama, poetry, and non-fiction also will be covered. Several novels and a research unit will be included in the course.

## \*\*\*ADVANCED ENGLISH I

CREDIT: 1  
RECOMMENDATION: A or B in Middle School English and teacher recommendation  
GRADE PLACEMENT: 9  
SEMESTER: Full Year  
DESCRIPTION: This course is designed to present challenging literature for freshmen planning to attend a four-year university. The course requires analysis of all forms of literature through written essays, journals, creative projects, tests, quizzes, and class discussion. The literature will provide ample opportunity to increase vocabulary and reading skills. This is an accelerated English course for students who should have received an A or B in 8th grade English, have taken adv. English in middle school, and are highly motivated.

## ENGLISH II

CREDIT: 1 - Required Course

GRADE PLACEMENT: 10

SEMESTER: Full Year

DESCRIPTION: Students will write multi-paragraph essays: expository, comparison/contrast, narrative, descriptive, persuasive; they will also write a research essay. Students will also study literature and vocabulary as well as grammar and usage skills.

### \*\*\*ADVANCED ENGLISH II

CREDIT: 1

RECOMMENDATION: A or B in Freshman English and teacher recommendation

GRADE PLACEMENT: 10

SEMESTER: Full Year

DESCRIPTION: This accelerated class is designed for the student who is highly motivated and academically strong. Students will write multi-paragraph essays: expository, comparison/contrast, narrative, descriptive, persuasive; they will also write a research essay. Students will also study literature and vocabulary as well as grammar and usage skills.

## SPEECH COMMUNICATIONS

CREDIT: 1/2

GRADE PLACEMENT: 10-12

SEMESTER: Either

DESCRIPTION: This is a required course for graduation and is recommended for sophomores. Students will study interpersonal communication, nonverbal communication, and listening skills. They will participate in interviews, group discussion and informative and persuasive speaking. They will become proficient in choosing and limiting topics, gathering research materials, and organizing effectively.

## ENGLISH III

CREDIT: 1 - Required Course

GRADE PLACEMENT: 11

SEMESTER: Full Year

DESCRIPTION: This full-year class uses a chronological approach to the study of American literature. Students apply the changing times in America to the literature and analyze how the cultural and social environment helped to shape the literature of the times. Major papers are focused on literary analysis as well as minor writing assignments and journals. Major novels by classical and contemporary authors are studied.

### \*\*\*ADVANCED ENGLISH III

CREDIT: 1

RECOMMENDATION: A or B in Advanced English Courses and teacher recommendation

GRADE PLACEMENT: 11

SEMESTER: Full Year

DESCRIPTION: One semester of this course will emphasize the four genres of literature: poetry, short story, drama, and novel. It will include the literature of early American authors, contemporary authors, and Shakespeare. Through written analysis, it will emphasize the interpretation of literary elements: plot, character, theme, setting, and style. One semester will focus on standard English usage and grammar, composition skills, vocabulary, and literature. This course will help prepare students for college entrance essays and tests. It is designed for students who are planning to attend a 4-year college and are highly motivated.

### \*\*\*ADVANCED SPEECH - A CREATIVE WORKSHOP

CREDIT: 1/2  
GRADE PLACEMENT: 11, 12  
SEMESTER: Either

DESCRIPTION: This college bound course is designed for the **advanced** student in speech and theater. Units consist of the 13 IHSA sanctioned individual events from speech team plus a children's touring show and debate. Students also will write critiques on plays read outside class.

### DRAMA

CREDIT: 1/2  
GRADE PLACEMENT: 11, 12  
SEMESTER: Either

DESCRIPTION: This course is designed for the student who wishes to become proficient in the performing art of theater. This essential background and training will help the student who will continue his/her education in this and many other related fields. It will expand on the techniques learned in the advanced speech class and will include units on the history of the theater, acting techniques, the genres of play production as well as critical analysis of three major plays of historical significance. Students will perform a one-act play and will critique plays that are read or viewed outside of class.

### ENGLISH IV

CREDIT: 1  
GRADE PLACEMENT: 12  
SEMESTER: Full Year

DESCRIPTION: This course is designed for the student who plans to attend a 2-year college. The following units of study will be included: literature, functional writing, vocabulary, research, grammar, and usage skills.

### \*\*\*ADVANCED ENGLISH IV

CREDIT: 1  
GRADE PLACEMENT: 12  
SEMESTER: Full Year

DESCRIPTION: Students in this course will study a variety of genres associated with the development of British and world literature. The units will feature some of the most famous works representing every major period in British history, including the Middle Ages, Renaissance, Victorian, and Romantic. This course examines history's influence on the shaping of these classic works. In addition to 20 small papers, students will write two major papers. One paper will explore the influence of history on a work of British literature. The other will analyze a piece of world literature. Students will use the Internet as a research tool for several assignments. The texts, novels, papers, and assignments presented in this class will be challenging in order to prepare students for a 4-year college or university. Students should be highly motivated.

### JOURNALISM I

CREDIT: 1  
GRADE PLACEMENT: 10, 11, and 12  
SEMESTER: Full Year

DESCRIPTION: This course is designed for students who have an interest in journalism. Emphasis is on news writing. This will be done by producing articles for publication. Students will write stories about District 430 schools and must be able to gather material from other district schools. Units include story writing, layout design, photography, advertising, and newspaper production using computer programs. This elective course does not replace the required English curriculum. This class may be repeated.

## JOURNALISM II

CREDIT: 1  
RECOMMENDATION: Journalism I & Instructor Approval  
GRADE PLACEMENT: 11, 12  
SEMESTER: Full Year

DESCRIPTION: Students must demonstrate writing competencies to be in this class. It is designed for students who have an interest in layout design, writing, photography, sales, and advertising for the yearbook. This class often requires time outside the regular school day to meet publisher's deadlines. Also, summer work may be required to complete the yearbook. Students will receive an incomplete until all of their deadlines are met. This class may be repeated for graduation credit; however, it does not replace the required English core curriculum.

## CREATIVE WRITING

CREDIT: 1/2  
GRADE PLACEMENT: 11, 12  
SEMESTER: Either

DESCRIPTION: This course is designed for students who have mastered structured essay writing. It encourages each student to develop his/her own voice. Genre writing will include poems, short stories, plays, and essays. Students will use exemplary writing as models. Presentation and publication will be a goal in this class. This is an elective course and does not replace the required curriculum.

## MASS MEDIA

CREDIT: 1/2  
GRADE PLACEMENT: 11, 12  
SEMESTER: Either

DESCRIPTION: This course will concentrate on 5 areas of the media-radio, television, news (television, newspapers), film, and art. Each media study will include a critical review of media samples and an analysis of the effect each media has on consumers. Group presentations and individual essays are required for each unit. As a final project, students will create their own media.

## SOCIAL STUDIES CURRICULUM

### INTRODUCTION TO SOCIAL STUDIES

CREDIT: 1/2  
GRADE PLACEMENT: 9  
SEMESTER: Either

DESCRIPTION: This is a one-semester course offered to freshmen students to introduce them to the many aspect of the social sciences. Units will include economics, sociology, geography, history, and political science.

### WORLD CULTURES

CREDIT: 1/2  
GRADE PLACEMENT: 9, 10  
SEMESTER: Either

DESCRIPTION: This course will study the cultural, political, and physical structures of the major countries of the world.

### MAPS, CHARTS, AND OUR PLANET

CREDIT: 1/2

GRADE PLACEMENT: 9, 10

SEMESTER: Either

DESCRIPTION: This course is a one-semester study of the geography of our planet. The emphasis will be on physical and regional geography. This is the study of the earth's natural features. Map skills will be used extensively during the semester.

### PRACTICAL LAW

CREDIT: 1/2

GRADE PLACEMENT: 9,10

SEMESTER: Either

DESCRIPTION: The objective of this course is to develop an understanding of the basic concepts of the law. The course will stress the processes of the law and the ways in which the law affects you as an individual. It will also consider the many careers available in law enforcement.

### WORLD HISTORY: ANCIENT TIMES (PREHISTORIC TO 1350 AD)

CREDIT: 1/2

GRADE PLACEMENT: 9,10,11,12

RECOMMENDATION: Students should have a B or better average in previous social science and reading courses.

SEMESTER: First Semester

DESCRIPTION: This is a college-bound course that deals with the growth of civilizations from early man to the Renaissance. The course dwells upon the achievements and advances that different people have contributed to society, and the influence of major events on the growth of the world.

### WORLD HISTORY: MEDIEVAL TO EARLY MODERN TIMES (1350 – 1918)

CREDIT: 1/2

GRADE PLACEMENT: 9,10,11,12

RECOMMENDATION: Students should have a B or better average in previous social science and reading courses.

SEMESTER: Second Semester

DESCRIPTION: This is a college-bound course that deals with the growth of modern civilizations from the Renaissance to World War I. The course dwells upon the achievements and advances that different people have contributed to society, and the influence of major events on the growth of the world.

### AMERICAN HISTORY

CREDIT: 1 – REQUIRED COURSE

GRADE PLACEMENT: 11

SEMESTER: Full Year

DESCRIPTION: This course takes a theoretical and factual approach to the growth of our American democracy and diplomacy. It stresses the political, social, economic, and military development of the United States.

### ADVANCED AMERICAN HISTORY

CREDIT: 1

GRADE PLACEMENT: 11

SEMESTER: Full Year

DESCRIPTION: This is a college-bound course with the objective of teaching factual background and interpretations in American history, from the Colombian Exchange to the end of World War II.

### CURRENT EVENTS

CREDIT: 1/2

GRADE PLACEMENT: 11, 12

SEMESTER: Either

DESCRIPTION: This course is designed to acquaint the student with contemporary affairs, historical background, and possible future outcome. This course will deal with all phases of our current society. **Current Events cannot be repeated.**

### SOCIOLOGY

CREDIT: 1/2

GRADE PLACEMENT: 10, 11, 12

RECOMMENDATION: Grade of B or better in previous Social Studies classes.

SEMESTER: Either

DESCRIPTION: This is a college-bound course and will deal with the study of human relationships. The course will take a very general look at man in modern society and how he relates to the social system. Topics to be covered are race relations, various forms of social deviance, social stratification, culture, cultural diversity, personality, adolescence, and adult development.

### BEHAVIORAL SCIENCE

CREDIT: 1/2

GRADE PLACEMENT: 10, 11, 12

RECOMMENDATION: Grade of B or better in previous Social Studies classes.

SEMESTER: Either

DESCRIPTION: This is a college-bound course, designed to introduce students to an overview of psychology concepts and theories, covering such topics as learning, cycle of life, roots of behavior, personality and individuality, adjustments in life, and psychological disorders.

### ETHNIC HISTORY

CREDIT: 1/2

GRADE PLACEMENT: 12

SEMESTER: Either

DESCRIPTION: This is primarily a reading and writing course. Lectures, slide presentations, and films will be used to illustrate the arrival and migration of eleven different ethnic minorities. A short unit on finding family roots also will be included.

### AMERICAN GOVERNMENT

CREDIT: 1/2

GRADE PLACEMENT: 12

RECOMMENDATION: American History or Advanced American History

SEMESTER: Either

DESCRIPTION: This course is an in-depth beginning study of the American political system for college bound seniors. Major areas of emphasis include the federal and state governments, taxation, and foreign policy.

## GLOBAL STUDIES

CREDIT: 1/2

GRADE PLACEMENT: 12

RECOMMENDATION: Advanced American History

SEMESTER: Either

DESCRIPTION: This course will focus on major global events in the past 40 years. It will include studies on genocide, the Aids crisis around the world, overpopulation, World hunger, using American foreign policy to address these issues. Geography of areas will also be studied.

## MODERN AMERICAN HISTORY

CREDIT: 1/2

GRADE PLACEMENT: 12

SEMESTER: Either

DESCRIPTION: This class will cover post World War II to the present, including the Korean War , the Vietnam Conflict, changes during the 1960's, involving the Civil Rights movement and the counter culture movement.

## WORLD HISTORY: Twentieth Century (1918 to the present)

CREDIT: 1/2

GRADE PLACEMENT: 11, 12

SEMESTER: Either

DESCRIPTION: This is for students seeking to improve their knowledge of modern world history. The class deals with world civilizations from World War I to the present with emphasis on war, diplomacy, trends, social history, and linking the past to the present.

## SCIENCE CURRICULUM

Students need to be enrolled in a life science class **and** a physical science class during their freshman and sophomore years.

### TYPICAL SEQUENCES

9th Grade - IPS → 10th Grade - General Biology

9th Grade - Biology I → 10th Grade - Chemistry I

Biology II, Chemistry II, Earth Science and Environmental Science are electives available to juniors and seniors who have completed the sequence above. Physics is an elective available to seniors.

## INTRODUCTORY PHYSICAL SCIENCE (IPS) - (GENERAL SCIENCE)

CREDIT: 1

GRADE PLACEMENT: 9, 10

SEMESTER: Full Year

DESCRIPTION: Introductory Physical Science (IPS) is an introduction to the physical sciences. The basics of chemistry, physics, and earth science will be explored. Emphasis is given to practical applications. Learning methods include, but are not limited to, lectures, labs, and class discussions.

## GENERAL BIOLOGY - (LIFE SCIENCE)

CREDIT: 1

GRADE PLACEMENT: 9, 10

SEMESTER: Full Year

DESCRIPTION: General biology introduces the student to a variety of biological topics through lecture, laboratory, and other class activities. Emphasis is on relating the class material to the student's daily life. Human biology is stressed and examples are taken from human systems where possible. General biology is designed to increase the student's understanding of himself and the world around him.

## BIOLOGY I

CREDIT: 1

REQUIRED: B or higher in 8th Grade Science

GRADE PLACEMENT: 9, 10, 11, and 12

SEMESTER: Full Year

DESCRIPTION: Biology I is a course intended for the academically oriented student. It is essential that the student be prepared to handle a large volume of complicated material and terminology. Laboratory exercises will illustrate concepts introduced in reading and class lectures. Topics include: taxonomy, biochemistry, cell structure and function, genetics, evolution, microbiology and infectious disease, human anatomy and physiology, and ecology. **All Biology I students must be enrolled in Algebra I or higher-level math.**

## CHEMISTRY I

CREDIT: 1

REQUIRED: Students must have completed Biology I with a grade of C or above and completed Algebra I with a grade of C or above.

GRADE PLACEMENT: 10, 11, and 12

SEMESTER: Full Year

DESCRIPTION: Chemistry I is an introduction to the study of composition and structure of matter. Topics covered include measurements, organization of substances, chemical formulas, stoichiometry, atomic theory, periodic law phases of matter, thermodynamics, and chemical reactions.

## BIOLOGY II

CREDIT: 1

REQUIRED: Students must have received a grade of C or above in Biology I and a grade of C or above in Chemistry I.

GRADE PLACEMENT: 11, 12

SEMESTER: Full Year

DESCRIPTION: Biology II is an upper level course intended for the academically oriented student having a particular interest in the life sciences. The student must be prepared to handle a large volume of complicated material and terminology. Emphasis is on illustrating biological concepts using the human body as a model. Topics include ecological problems, biochemistry, cytology, histology, and human anatomy and physiology.

## CHEMISTRY II

CREDIT: 1  
REQUIRED: Students must have completed Chemistry I with a grade of C or above.  
GRADE PLACEMENT: 11, 12  
SEMESTER: Full Year

DESCRIPTION: Chemistry II provides a more detailed examination of some of the topics explored in Chemistry I as well as consideration of more advanced topics including organic chemistry and biochemistry. In addition to increased lab work, a science fair project is required of all Chemistry II students during the second semester. This course is strongly recommended for anyone planning future education in the sciences.

## EARTH SCIENCE

CREDIT: 1/2  
REQUIRED: Students must have passed both semesters of their required physical and life science courses.  
GRADE PLACEMENT: 11, 12  
SEMESTER: Either

DESCRIPTION: Earth Science is a study of the scientific method, the composition of earth, surface processes on earth; including weather, erosion, wind, glaciers, surface water, ground water, atmosphere, oceans, plate tectonics, and fossil formation. This course also looks at formation of the solar system and the sun-earth-moon system. This is an elective science course.

## ENVIRONMENTAL SCIENCE

CREDIT: 1/2  
REQUIRED: Students must have passed both semesters of their required physical and life science courses.  
GRADE PLACEMENT: 11, 12

DESCRIPTION: Environmental Science is an elective science course focusing on the natural world and the environment. It will be a comprehensive class covering a variety of topics ranging from ecosystem interactions to human impact on various environmental systems. Students will investigate both the history of the environment and potential problems and solutions facing the environment today and in the future.

## PHYSICS

CREDIT: 1  
REQUIRED: Students must have completed trigonometry with a grade of C or above, or currently be enrolled in advanced pre-calc/trig and have received a grade of B or above in Algebra II.  
GRADE PLACEMENT: 12  
SEMESTER: Full Year

DESCRIPTION: This course introduces the student to the basic concepts of physics. Topics include measurement, graphical analysis, linear and two-dimensional motion, vectors, dynamics, waves and vibrations, sound, light, and electromagnetism. Students should have a strong math background and are expected to understand challenging mathematical applications. There will be a variety of projects required throughout the year, among them bridge building and the construction of a catapult.

## MATHEMATICS CURRICULUM

ALGEBRA IA (This is the first course in a two-year Algebra I sequence).

CREDIT: 1

GRADE PLACEMENT: 9, 10, 11, 12

SEMESTER: FULL YEAR

DESCRIPTION: This is a less intensive algebra course. It will build a solid foundation in the fundamentals of algebra to help prepare students for assessment success. It is a non-college bound course and **can only be followed by Algebra IB.** *Scientific calculators are required.*

ALGEBRA IB (This is the second course in a two-year Algebra I sequence).

CREDIT: 1

GRADE PLACEMENT: 10, 11, and 12

SEMESTER: Full Year

DESCRIPTION: This course, along with Algebra IA completes the study of Algebra I. It continues to build a solid foundation in the fundamentals of Algebra to help prepare students for assessment success. It is a non-college bound course and is typically followed by Basic Geometry. *Scientific calculators are required.*

## ALGEBRA I

CREDIT: 1

REQUIRED: C or above in previous math course

GRADE PLACEMENT: 9, 10, 11, and 12

SEMESTER: Full year

DESCRIPTION: This course content will include the real number system (positive, zero, and negative numbers). Emphasis is placed upon solving of equations, graphing, work with functions, systems of linear equations, work with powers and roots, and an introduction into quadratic equations. **Scientific calculators are required, but there will be times when no calculators are allowed.**

## BASIC GEOMETRY

CREDIT: 1

REQUIRED: C or above in previous math course

GRADE PLACEMENT: 11, 12

SEMESTER: Full year

DESCRIPTION: This course builds a solid foundation in the fundamentals of geometry. There will be less emphasis on proofs and more emphasis on the concepts of geometry. It is a non-college bound course and **will not prepare a student to continue with Algebra 2.** *Scientific calculators are required.*

## GEOMETRY

CREDIT: 1

RECOMMENDATION: C or Above in Algebra I

GRADE PLACEMENT: 10, 11, and 12

SEMESTER: Full Year

DESCRIPTION: Reasoning is the key to this course. It stresses forms of proof by using logical forms of argument. As the course proceeds, more and more algebra skills are needed in applying previously learned geometric concepts. *Scientific calculators are required.*

### ADVANCED GEOMETRY

CREDIT: 1  
REQUIRED: A or B in 8th grade Algebra I or instructor recommendation  
GRADE PLACEMENT: 9, 10  
SEMESTER: Full Year  
DESCRIPTION: A faster-paced geometry course designed for those students who have been accelerated in mathematics. A grade of C must be maintained in order to remain in this course. Scientific calculators are required.

### ALGEBRA 2 \*\*SCIENTIFIC CALCULATOR IS REQUIRED

CREDIT: 1  
RECOMMENDATION: C or Above in Geometry  
GRADE PLACEMENT: 10, 11, and 12  
SEMESTER: Full Year  
DESCRIPTION: The mathematical skills learned are now extended so that the students can work in the complex number system (which includes the real number system). The topics covered in Algebra I are reviewed and then extended so that they are covered much more in depth. Some new topics covered include sequences and series of real numbers, quadratic relations, and systems.

### ADVANCED ALGEBRA 2 \*\*SCIENTIFIC CALCULATOR IS REQUIRED

CREDIT: 1  
REQUIRED: A or B in Geometry (Advanced) or Instructor Recommendation.  
GRADE PLACEMENT: 10, 11  
SEMESTER: Full Year  
DESCRIPTION: A faster-paced Algebra 2 course designed for the serious math student who is planning to enroll in calculus.

### TRIGONOMETRY

CREDIT: 1/2  
REQUIRED: C in Algebra 2. A graphing calculator is required. A TI-84+ Silver Plus is recommended. \*\* A TI 83 also may be used. Instruction will be given on the use of these calculators. If a different model is chosen, student will be responsible for its operation. Use of a TI-89 or TI-92 is prohibited.  
GRADE PLACEMENT: 11, 12  
SEMESTER: First  
DESCRIPTION: An intensive study of the relationship of algebra and geometry. Concepts studied in detail include trigonometric functions, identities, and equations; radian measure; circular functions; logarithms; and solving triangles.

## PRE-CALCULUS

CREDIT: 1/2  
REQUIRED: C or better in Algebra 2 and trigonometry. *A graphing calculator is required.*  
A TI-84+ Silver Plus is recommended. A TI-86 is acceptable. \*\* A TI-83 also may be used.  
Instruction will be given on the use of these calculators. If a different model is chosen, student will be responsible for its operation. Use of a TI-89 or a TI-92 is prohibited.

GRADE PLACEMENT: 11, 12  
SEMESTER: Second

DESCRIPTION: This one-semester course emphasizes college algebra and theory of equations. It also includes matrices and vectors, series and sequences, polar coordinates and complex numbers, exponential and logarithmic functions. Limits, derivatives, and integrals will be briefly introduced. As time permits probability will be explored.

## ADVANCED PRE-CALCULUS/TRIGONOMETRY

CREDIT: 1  
REQUIRED: A or B in Advanced Algebra 2 or instructor recommendation. *A graphing calculator is required.* A TI-84+ Silver Plus is recommended. A TI-86 is acceptable. \*\* A TI-83 also may be used. Instruction will be given on the use of recommended calculators. If a different model is chosen, student will be responsible for its operation. Use of a TI-89 or TI-92 is prohibited.

GRADE PLACEMENT: 11, 12  
SEMESTER: Full Year

DESCRIPTION: a full year course that includes college algebra and trigonometry. It is designed for those students who have been accelerated in mathematics. Trigonometric relationships will be studied in depth. Algebra II concepts will be extended; new topics to be studied are translations of graphs, fundamental theorem of algebra, probability, and polar coordinates.

## CALCULUS

CREDIT: 1  
REQUIRED: B or better in pre-calculus. *A graphing calculator is required.* A TI-84+ Silver Plus is recommended. A TI-86 is acceptable; a TI-83 does not have the necessary built-in functions. Instruction will be given on the use of these calculators. If a different model is chosen, the student will be responsible for its operation. Use of a TI-89 or a TI-92 is prohibited.

GRADE PLACEMENT: 12  
SEMESTER: Full Year

DESCRIPTION: A college level class intended for those students who will need calculus to complete their college curriculum. Topics include limits, derivatives and their applications, and integrals.

**\*\*IF YOU ARE PLANNING ON TAKING CALCULUS, YOU SHOULD HAVE A TI-84+Silver Plus OR A TI-86. A TI-83 DOES NOT HAVE THE NECESSARY BUILT IN FUNCTIONS FOR CALCULUS.**

## FOREIGN LANGUAGE CURRICULUM

**THE FOLLOWING ARE RECOMMENDED FOR STUDENTS SEEKING TO LEARN A FOREIGN LANGUAGE: 1. STRONG DESIRE TO MASTER A FOREIGN LANGUAGE, 2. SELF-DISCIPLINE, 3. A GOOD UNDERSTANDING OF ENGLISH GRAMMAR.**

**\*\*\*It is strongly recommended to purchase a Spanish-English dictionary and a verb conjugation book to be used for all 4 levels of Spanish.**

### SPANISH I

CREDIT: 1  
GRADE PLACEMENT: 9, 10, 11, and 12  
SEMESTER: Full Year

DESCRIPTION: This beginning course utilizes the four language skills of reading, writing, listening, and speaking with an emphasis on the reading and writing skills. An introduction of the many Spanish-speaking countries and cultures is also covered. At the completion of this course, students will have acquired a command of the basic vocabulary and sentence structures, which will enable them to begin to effectively communicate in the Spanish language. A strong knowledge of English grammar is desirable in order to be successful in Spanish I. It is strongly recommended to purchase a Spanish-English dictionary and a verb conjugation book. Prices and locations will be available the first day of class.

### SPANISH II

CREDIT: 1  
REQUIRED: Spanish I  
GRADE PLACEMENT: 10, 11, and 12  
SEMESTER: Full Year

DESCRIPTION: This continuing course, again, utilizes the four language skills of reading, writing, listening, and speaking with an increased emphasis on the listening and speaking skills. The study of the many Spanish-speaking cultures and countries will also be continued. At the completion of this course students will have expanded their knowledge of vocabulary and gained a command of the advanced language structures needed to effectively communicate in the Spanish language. A strong knowledge of English grammar and a strong foundation in Spanish I are desirable in order to be successful in Spanish II. It is strongly recommended to purchase a Spanish-English dictionary and a verb conjugation book.

### SPANISH III

CREDIT: 1  
REQUIRED: Spanish II  
GRADE PLACEMENT: 11, 12  
SEMESTER: Full Year

DESCRIPTION: This advanced course is designed to encourage fluency in speaking, to improve writing skills, and to enhance vocabulary expansion through the more advanced chapters of the text dealing more with phrases than individual vocabulary items. Other means of language acquisition might include the study of history, geography, and cuisine. The students also will be exposed to more films in Spanish with Spanish subtitles. Upon completion of the course, students will have gained a higher-level command of both the written and spoken Spanish language.

#### SPANISH IV

CREDIT: 1  
REQUIRED: Spanish III  
GRADE PLACEMENT: 12  
SEMESTER: Full Year

DESCRIPTION: This advanced course is designed to encourage fluency in speaking, to improve writing skills, and to enhance vocabulary expansion through the introduction of authentic Spanish and Hispanic literature such as novels, short stories, and poetry. Other means of language acquisition might include the study of television, history, geography, and cuisine. Students also will be exposed to more films in Spanish with Spanish subtitles. Upon completion of this course, students will have gained a working command of both the written and spoken language.

#### FRENCH I

CREDIT: 1  
GRADE PLACEMENT: 9, 10, 11, and 12  
SEMESTER: Full Year

DESCRIPTION: This beginning course emphasizes oral comprehension and speaking skills, but learning to read and write the language correctly also is required. Some basic grammar is included which requires a strong understanding of English grammar to be successful in this course. Knowledge of French-speaking people and their culture is interwoven into the course, through the use of the text, slides, and discussion of current events.

#### FRENCH II

CREDIT: 1  
REQUIRED: French I  
GRADE PLACEMENT: 10, 11, and 12  
SEMESTER: Full Year

DESCRIPTION: Emphasis is placed on grammar, reading, and writing. All major tenses of verbs are introduced. At the completion of the course the students will have acquired a command of both basic vocabulary and grammar as well as an appreciation of the culture of the French-speaking world.

#### FRENCH III-IV

CREDIT: 1  
REQUIRED: French II  
GRADE PLACEMENT: 11, 12  
SEMESTER: Full Year

DESCRIPTION: The French III-IV course involves a review of grammar, readings on French culture and civilization in the foreign language, and an introduction to French literature. The course is also designed to improve fluency in speaking. Composition and vocabulary building through literature are also stressed. This course is designed to allow students credit in both French III and French IV. **A French-English dictionary is strongly recommended.**

## PHYSICAL EDUCATION, DRIVERS EDUCATION, AND HEALTH CURRICULUM

### PHYSICAL EDUCATION

CREDIT: 1  
GRADE PLACEMENT: 9, 11, and 12  
SEMESTER: Full Year

DESCRIPTION: Interwoven through the entire program is physical fitness and establishment of carry-over value. The curriculum covers a wide spectrum of team oriented and individual sports. Activities include, but are not limited to flag football, speedball, soccer, basketball, badminton, floor hockey, volleyball, square dancing, track and field, softball, tennis, bowling, and fitness testing.

### FITNESS AND CONDITIONING

CREDIT: 1  
GRADE PLACEMENT: 10, 11, and 12  
SEMESTER: Either

DESCRIPTION: This is an intensive training course. Classes will strictly follow the Bigger, Faster, Stronger program, which has been designed for the athletically inclined student. Activities include weight training, sprints, and cardiovascular endurance training. Males and females alike that participate regularly in extracurricular sports are highly encouraged to enroll.

### DRIVERS EDUCATION - CLASSROOM AND BEHIND THE WHEEL

CREDIT: 1/2  
REQUIRED: Sophomore standing. Eligibility is granted to students who have received a passing grade in at least 8 courses during the previous two semesters.  
GRADE PLACEMENT: 10  
SEMESTER: Assigned by Birth Date  
DESCRIPTION: To provide educational experiences which will give skill, knowledge, and proper attitudes necessary for efficient safety habits. There is a fee for this class. Parents may deny entry into this course until the student's 18th birthday.

### HEALTH EDUCATION

CREDIT: 1/2 -REQUIRED COURSE  
GRADE PLACEMENT: 10  
SEMESTER: Either

DESCRIPTION: A course for all sophomores that covers the physical, mental, and social aspects of health with emphasis on behaviors that influence healthy lifestyles.

## FINE ARTS CURRICULUM

### CONCERT BAND

CREDIT: 1

GRADE PLACEMENT: 9, 10, 11 and 12

SEMESTER: Full Year

DESCRIPTION: Study of instrumental music literature in a wide range of styles including classical, jazz, popular and program music. Activities include 4 required concerts per year and various voluntary activities including Marching Indians Football Band, Renegade Regiment Competition Band, Jazz Bands, Solo and Ensemble work, Pep Band and the spring musical. There is a fee for Concert Band.

### WIND ENSEMBLE

CREDIT: 1

GRADE PLACEMENT: 10, 11 and 12 by audition

SEMESTER: Full Year

DESCRIPTION: Study of advanced instrumental music literature in a wide range of styles. Activities include 4 required concerts per year and various voluntary activities including Marching Indians Football Band, Renegade Regiment Competition Band, Jazz Bands, Solo and Ensemble work, Pep Band and the spring musical. There is a fee for Wind Ensemble.

### INSTRUMENTAL MUSIC LEVEL 1

CREDIT: 1

GRADE PLACEMENT: 9, 10, 11, 12

SEMESTER: Full Year

DESCRIPTION: Beginning instruction on band wind instruments including flute, clarinet, trumpet, saxophone and trombone. Student will be required to procure an instrument.

### MIXED CHOIR

CREDIT: 1

GRADE PLACEMENT: 9, 10, 11, and 12 by audition

SEMESTER: Full Year

DESCRIPTION: Study of vocal music literature for mixed (male and female) voices in a wide range of musical styles. Activities include 4 required concerts per year and various voluntary activities including jazz choir, solo and ensemble and the musical.

### TREBLE CHOIR

CREDIT: 1

GRADE PLACEMENT: 9, 10, 11, and 12 by audition

SEMESTER: Full Year

DESCRIPTION: Study of vocal music literature for treble (female only) voices in a wide range of musical styles. Activities include 4 required concerts per year and various voluntary activities including jazz choir, solo and ensemble and the musical.

### TRAINING CHOIR

CREDIT: 1

GRADE PLACEMENT: 9, 10, 11, 12

SEMESTER: Full Year

DESCRIPTION: Study of proper vocal technique and production, music reading and pitch matching in preparation for ensemble singing.

### MUSIC THEORY

CREDIT: 1

RECOMMENDATION: 1 Year in Band or Chorus at high school level

GRADE PLACEMENT: 11, 12

SEMESTER: Full Year

DESCRIPTION: Study of the basics of music writing and analysis. Content includes music fundamentals, harmony, ear training, and form. Course is very helpful in preparing students for college music department entrance exams (for music majors).

**PREREQUISITE: Instructor Approval**

### GENERAL MUSIC

CREDIT: 1

GRADE PLACEMENT: 9, 10, 11, and 12

SEMESTER: Full Year

DESCRIPTION: This course will cover the fundamental elements of music as well as music history and appreciation.

### ART I-FUNDAMENTALS

CREDIT: 1

GRADE PLACEMENT: 9, 10, 11, and 12

SEMESTER: Full Year

DESCRIPTION: Study of the Fundamentals, Principles and Elements of Art and Art History. Activities include Shading/Value, Perspective, Figure Drawing, and Color Theory. Student may also be required to write Art History papers that abide by the MLA format.

### ART II-CONCEPTS

CREDIT: 1

RECOMMENDATION: Consent of teacher and/or credit for Art I

GRADE PLACEMENT: 10, 11, and 12

SEMESTER: Full Year

DESCRIPTION: Study of Painting using Color Theory, Monochromatic technique, Wash technique, Atmospheric perspective, and Art History. Student may also be required to write Art History papers that abide by the MLA format.

### ART III-ADVANCED

CREDIT: 1  
RECOMMENDATION: Consent of teacher and/or credit for Art II  
GRADE PLACEMENT: 11, 12  
SEMESTER: Full Year  
DESCRIPTION: Study of Painting and 3-Dimensional Sculpture and Art History. Sculpture may consist of clay, plaster, wire, wood, and mixed media. Student may also be required to write Art History papers that abide by the MLA format.

### ART IV-INDEPENDENT

CREDIT: 1  
RECOMMENDATION: Consent of teacher and/or credit for Art III  
GRADE PLACEMENT: 12  
SEMESTER: Full Year  
DESCRIPTION: Study of Drawing, Painting, Sculpture, Art History with a focus on personal style and portfolio development. Student may be required to complete independent assignments along with written Art History papers that abide by the MLA format.

## INDUSTRIAL EDUCATION CURRICULUM

### INDUSTRIAL ESSENTIALS (VALEES #I125)

CREDIT: 1  
GRADE PLACEMENT: 9, 10, and 11  
SEMESTER: Full Year  
DESCRIPTION: This is a full year introductory course exposing students to industrial and technological areas as outlined in the Illinois Plan for Industrial Education. Subjects include transportation and industrial development, communication and drafting, production/woodworking, and energy utilization. Through study and hands-on activities the student will learn basic work related skills and be exposed to a variety of career opportunities available. Safety, personal cooperation, acceptable work habits, and self-motivation will be stressed.

### WOODWORKING (VALEES #I106)

CREDIT: 1  
REQUIRED: Industrial Essentials  
GRADE PLACEMENT: 10, 11, and 12  
SEMESTER: Full Year  
DESCRIPTION: This sequential 2-semester course is for students interested in learning basic cabinetmaking skills. The course will include the planning, style, and design of cabinetmaking utilizing the characteristics of solid wood and plywood. While building projects the students will learn to use hand and machine woodworking tools and will develop competent machine operation skills. Students will continue to develop safe and appropriate work habits, work and business ethics, and self-motivation.

### CABINETRY AND MILLWORK (VALEES # 227)

CREDIT: 1  
GRADE PLACEMENT: 11, 12  
SEMESTER: Full Year  
PREREQUISITE: Woodworking I-II (C or better with permission)

DESCRIPTION: At successful completion of this advanced cabinetmaking course, the student should be able to obtain employment in the cabinetmaking and millwork industry utilizing the math, assembly and machine operation skills acquired. Students are likely to use the computer, table saw, jointer, power miter saw, drill press, lathe, pneumatic nail gun, planer shaper, portable and stationary belt sanders, various hand tools, clamping systems, and pneumatic spraying and finishing systems. Students will build a minimum of one major cabinet or furniture project and will be familiar with the setup and operation of woodworking machines used in construction of their project. Successfully completing the planning, designing, and building of the project along with honing good work ethics, workplace skills and leadership are a major focus of this class.

### ADVANCED CABINETRY AND MILLWORK (VALEES #228)

CREDIT: 1  
GRADE PLACEMENT: 12  
SEMESTER: Full Year  
PREREQUISITE: Cabinetry and Millwork I-II (C or better or permission)

DESCRIPTION: This course will provide planned learning experiences and activities that will complement, enhance, and develop to a higher degree those skills learned in Cabinetry and Millwork I-II. This course will help students develop advanced skill and knowledge in specialty tools and equipment used in the woodworking industry while furthering their proficiency with standard shop and machine tools used in a woodworking shop. Machines used will include computers, table saws, industrial planers, sanders and shapers, and pneumatic spraying and finishing systems. Jigs, mass production and manufacturing methods, and advance machine technology will be used for the project construction and finishing. Students will be required to design and carry to completion a major furniture and/or cabinetry system. Field trips and individual research will be used to develop students knowledge and awareness of industrial methods and processes used in manufacturing today. Work ethics, workplace skills and leadership will be emphasized.

## FAMILY & CONSUMER SCIENCES CURRICULUM

### FOODS AND NUTRITION I (VALEES #H110)

CREDIT: 1/2  
GRADE PLACEMENT: 9, 10, 11, and 12  
SEMESTER: Either

DESCRIPTION: Elective course open to all students. This course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition. This course introduces basic information on safety and sanitation, nutrition and health, social/cultural aspects, consumer skills, kitchen math, meal management, food science and technology and career options. A portion of the earned grade is determined by laboratory situations where students are required to demonstrate their knowledge of food preparation, safety and sanitation. MUST PASS FOODS I TO BE ELIGIBLE FOR FOODS II.

### FOODS AND NUTRITION II (VALEES #H115)

CREDIT: 1/2  
REQUIRED: Foods I  
GRADE PLACEMENT: 9, 10, 11, and 12  
SEMESTER: Either

DESCRIPTION: This class is open to students who have successfully completed and passed Foods and Nutrition I. In this second orientation level of foods course, more attention is paid to food selection and preparation for special circumstances and dietary needs. The course includes in depth coverage of safety and the prevention of food-borne illnesses, nutrition through the lifespan, influences on food customs, current food and nutritional issues, kitchen math, food budgeting, food science and technology and career options. A portion of the earned grade is determined by laboratory situations where students are required to demonstrate their knowledge of food preparation, safety and sanitation.

### FOODS AND NUTRITION III (VALEES #H120)

CREDIT: 1/2  
REQUIRED: Foods I and Foods II  
GRADE PLACEMENT: 10, 11, and 12  
SEMESTER: Either

DESCRIPTION: Foods III further explores food preparation in areas such as regional foods, foreign foods, advanced pastries, advanced yeast breads, and food preservation. Must have Foods and Nutrition I and II first. **(Must Have a C or Better in Foods II.)**

### CLOTHING CONSTRUCTION I (VALEES #H130)

CREDIT: 1/2  
GRADE PLACEMENT: 9, 10, 11, and 12  
SEMESTER: Either

DESCRIPTION: Elective course open to both male and female students. Students must supply own materials.

- Familiarity with sewing machine
- 3 required sewing projects
- Clothing influences, customs, family influences and self-expression
- Fashion history and styles
- Clothing care
- Principles of design

### CLOTHING CONSTRUCTION II (VALEES #H135)

CREDIT: 1/2  
REQUIRED: Clothing Construction I  
GRADE PLACEMENT: 9, 10, 11, and 12  
SEMESTER: Either

DESCRIPTION: Clothing Construction II builds on the skills developed in Clothing Construction I and challenges the student to work with plaids and stripes etc., and more difficult patterns. Students must supply own materials. Must pass Clothing Construction I first with a "C" or better.

### CLOTHING CONSTRUCTION III (VALEES #H210)

CREDIT: 1/2  
REQUIRED: Clothing Construction II  
GRADE PLACEMENT: 10, 11, 12  
SEMESTER: Either

DESCRIPTION: Clothing Construction III is based on the sequence of skills developed in junior high home economics and Clothing Construction I and II. This advanced course allows the proficient seamstress to work with different fabrics and more complicated patterns. Students must supply own materials. Must pass Clothing Construction I & II with a "C" or better.

### PARENTING (VALEES #H715A)

CREDIT: 1/2  
GRADE PLACEMENT: 11, 12  
SEMESTER: Either

DESCRIPTION: Open to all students. This course focuses on decisions relating to parenthood. It will cover topics such as when to have children, health practices, discipline, dealing with developmental stages, and how the parents' roles change. It also will look at concerns ranging from child abuse, substitute care, and education. **Students are required to carry and tend "Baby-Think-It-Over" infant simulators for the equivalent of one weekend during the semester and must supply batteries for the "baby".**

### CHILD DEVELOPMENT (VALEES #H125)

CREDIT: 1/2  
GRADE PLACEMENT: 11, 12 (10, **only** if interested in enrolling in Childcare at IVVC)  
SEMESTER: Second

DESCRIPTION: Open to all students. Areas to be covered in course are: prenatal/postnatal care of mother and child; children from birth to age 5 (physical, social, and emotional developmental patterns); observation of children in different age groupings; special interest areas; employment opportunities.

### MARRIAGE & FAMILY LIVING (VALEES #H720A)

CREDIT: 1/2  
GRADE PLACEMENT: 11, 12  
SEMESTER: Either

DESCRIPTION: Course open to all students. This course covers communication skills, coping with challenges, decision making/problem solving, family strength, handling responsibility, health and wellness, management skills, relationship skills, counseling resources, and values/goals.

### SINGLE SURVIVAL (VALEES #H705A)

CREDIT: 1/2  
GRADE PLACEMENT: 12  
SEMESTER: Second

DESCRIPTION: Open to seniors with **no** high school foods or clothing experience. Areas to be covered include housing--how and where to find it, furnishing and caring for a home, moving; laundry; clothing--basic sewing techniques, use and care of sewing machine, simple sewing project; foods--simple food preparation, basic nutrition, buying. **Students must buy a kit for sewing project.**

## **BUSINESS EDUCATION CURRICULUM**

The Business Education curriculum offers a variety of courses, which will enable the students to develop occupational knowledge, attitudes, and skills that are oriented around various job classifications. These occupations include clerical, secretarial, recordkeeping and accounting, and computer software skills.

A recommended curriculum is outlined below for several career areas. None of the courses recommended are required for graduation; however, some employers will not hire an applicant for a particular job until certain minimum competencies are met.

### **OFFICE CAREERS (SECRETARIAL/CLERICAL)**

Keyboarding & Formatting I/Formatting II	9
Introduction to Business	9
Speedwriting I & II	11
Practical Computers	11
Introduction to the Internet	11
Designing Web Pages for Business	11
Recordkeeping	11
Computer Applications	12
Business Law	12
Accounting I	12

### **BUSINESS MANAGEMENT**

Keyboarding & Formatting I/Formatting II	9
Introduction to Business	9
Practical Computers	10
Recordkeeping	10
Computer Applications	10
Business Law	11
Accounting I	11
Accounting II	12
Marketing/Entrepreneurship	12

### **COMPUTER INFORMATION**

Keyboarding & Formatting I/Formatting II	9
Practical Computers	10
Computer Applications	11
Introduction to the Internet	11
Designing Web Pages for Business	11

## KEYBOARDING & FORMATTING I/KEYBOARDING & FORMATTING II

CREDIT: 1  
GRADE PLACEMENT: 9, 10, 11, and 12  
SEMESTER: Full Year

DESCRIPTION: Keyboarding & Formatting I/Formatting II is recommended for students seeking work in a business related career such as office work and business management. It is also recommended for college bound students and for personal use. The first semester is primarily devoted to developing a mastery of the keyboard and basic formatting skills (typing of letters, research papers, and other related problems). During the second semester students will learn other formats and develop skills in order to complete jobs more efficiently and effectively.

## KEYBOARDING & FORMATTING I (VALEES #B120)

CREDIT: 1/2  
GRADE PLACEMENT: 9, 10, 11, and 12  
SEMESTER: Either

DESCRIPTION: This course is intended for the student who wishes only one semester of keyboarding. The material covered is identical to that of the keyboarding formatting I/formatting II course in the first semester to learn the keyboard by the touch method and basic formats of business letters, term papers, and other related problems.

Keyboarding & Formatting I and Keyboarding & Formatting I & II: Keyboarding & Formatting I is for one (1) semester and Keyboarding & Formatting I and II is a full year. You may NOT take both the full year and the one semester class. You may take the second semester of Keyboarding & Formatting I and II if you took the one semester Keyboarding & Formatting I class, and can be taken in a different school year.

## RECORDKEEPING

CREDIT: 1  
GRADE PLACEMENT: 10, 11, and 12  
SEMESTER: Full Year

DESCRIPTION: Recordkeeping is intended to enable a student to develop skills on the elementary bookkeeping level. There will be an introduction to the use of the computer to better prepare the student for clerical jobs in today's offices. Topics to be studied will include sales, purchases, and taxes for a retail business; payroll records; and the use of the computer in order to solve some of these business problems. Recordkeeping can serve as a good prerequisite for the student who wishes to take Accounting I the following year.

## ACCOUNTING I (VALEES #B215)

CREDIT: 1  
GRADE PLACEMENT: 10, 11, and 12  
SEMESTER: Full Year

DESCRIPTION: Accounting provides a background for students who would like to qualify for entry-level jobs in business offices or for those who want a college major in business. Specific topics covered include recording business transactions, preparing financial statements, handling depreciation, un-collectible accounts, adjusting and closing entries, and payroll. There will be some use of computers to prepare spreadsheets.

### ACCOUNTING II (VALEES #B315)

CREDIT: 1  
REQUIRED: Accounting I  
GRADE PLACEMENT: 11, 12  
SEMESTER: Full Year

DESCRIPTION: The second year of accounting is offered as an extension of the first year plus introduction of new material. Topics will include the preparation of more detailed financial statements, departmental and branch accounting, accounting for manufacturing businesses, and partnership accounting.

### SPEEDWRITING I

CREDIT: 1/2  
REQUIRED: Keyboarding; currently enrolled in keyboarding; or passed keyboarding proficiency test  
GRADE LEVEL: 10, 11, and 12  
SEMESTER: First

DESCRIPTION: Speedwriting is an alphabetic shorthand system based on the letters of the alphabet and the common punctuation marks that are used in longhand. This course is intended to teach speedwriting to take lecture notes and office dictation.

### SPEEDWRITING II

CREDIT: 1/2  
REQUIRED: Speedwriting I  
GRADE LEVEL: 10, 11, and 12  
SEMESTER: Second

DESCRIPTION: Speedwriting II is a follow-up to the theory presentation given in Speedwriting I. It is designed to develop dictation-taking ability to 80-100 words a minute.

### BUSINESS LAW

CREDIT: 1/2  
GRADE PLACEMENT: 11, 12  
SEMESTER: First

DESCRIPTION: Business Law deals with the application of legal principles and procedures to the individual in business. It also promotes the understanding of laws regulating the economy that affect the individual as a producer and a consumer. Topics covered include the laws of contracts, relations of buyer and seller, commercial paper, bailment's, real property, rights and responsibilities of employer and employee, and insurance. Students will analyze and make decisions concerning actual court cases. The primary emphasis is given to basic fundamentals of law rather than specific technical details of professional law in Illinois.

### COMPUTER APPLICATIONS (VALEES #B204)

CREDIT: 1/2  
REQUIRED: Keyboarding  
GRADE PLACEMENT: 10, 11, and 12  
SEMESTER: Either

DESCRIPTION: The computer applications course gives the student hands-on experience with **Office 2007** (Word, Access, Publisher, Excel, PowerPoint). Students will learn the necessary skills to type research papers for high school and college. Students also will learn to prepare PowerPoint presentations that could be presented to a group.

### PRACTICAL COMPUTER ACTIVITIES

CREDIT: 1/2  
REQUIRED: Keyboarding  
GRADE PLACEMENT: 10, 11, and 12  
SEMESTER: Either

DESCRIPTION: This computer course gives practical hands-on experience to use **Microsoft Works for Windows** and to improve skills on the personal computer including creating and editing reports, tables, letters, and memos using word processing, spreadsheets, and databases.

### INTRODUCTION TO BUSINESS

CREDIT: 1/2  
GRADE PLACEMENT: 9, 10 **ONLY**  
SEMESTER: Either

DESCRIPTION: This course is an introduction to business theory and practice. Topics include entrepreneurship, private enterprise, the global marketplace, marketing theory, organization of management, and government influence in economic systems.

### MARKETING/ENTREPRENEURSHIP (VALEES #B240)

CREDIT: 1/2  
GRADE PLACEMENT: 11/12  
SEMESTER: Either

DESCRIPTION: This course would cover the following topics: functions of marketing, distribution, selling, product service, planning and promotion, selling and promotion using advertising, and concepts of determining and meeting customer needs, desires, and wants. Students taking this class should want to own their own business or aspire to be in management at a business in their future.

### INTRODUCTION TO THE INTERNET (VALEES #B210)

CREDIT: 1/2  
GRADE PLACEMENT: 11, 12  
SEMESTER: Either

DESCRIPTION: This Internet course is designed to help students learn how to use the Internet for research. Some of the topics that will be studied include: search engines, evaluation of web pages, bookmarks or favorites, educational sites, and how to cite web research.

### DESIGNING WEB PAGES FOR BUSINESS (VALEES #B210)

CREDIT: 1/2  
GRADE PLACEMENT: 11, 12  
SEMESTER: Either

DESCRIPTION: This course is designed to teach students how to design business websites. Websites for both profit and non-profit businesses will be designed. Appropriate text, color, images, links, forms, sound, and special effects will be covered.

## CONSUMER EDUCATION (VALEES #H710) - REQUIRED COURSE FOR SENIORS

CREDIT: 1/2  
GRADE PLACEMENT: 12  
SEMESTER: Either

DESCRIPTION: Consumer education is a required course for graduation from Sandwich High School. It covers topics including, but not limited to: housing, transportation, consumer rights, installment purchasing, budgeting, and comparison of prices. It is the study of the knowledge needed to choose, to spend, and to conserve resources, goods, and services.

## INDIAN VALLEY VOCATIONAL CENTER

CREDIT: 3  
RECOMMENDATION: Some courses have prerequisites  
GRADE PLACEMENT: 11, 12  
SEMESTER: Full Year

DESCRIPTION: IVVC offers vocational training in the following 16 areas: auto body, auto mechanics, building trades, building trades remodeling, child care, computer technology, cosmetology, drafting and design, fire science, food service and preparation, graphic arts, health occupations, law enforcement, business systems technology, sports medicine/sports management, and welding and fabrication. **Each class meets one 2-1/2 hour time block 5 days per week.**

**AUTO BODY REPAIR:** A comprehensive program of collision repair and automotive paint refinishing. Safety practices and safety equipment, as well as EPA standards, will also be addressed and followed. First year students will get a basic knowledge of collision repair and refinishing procedures. Second year students will get advanced training on frame and structural repair. (1230/1330)

**AUTOMOTIVE TECHNOLOGY:** All students study routine automotive repair and maintenance fundamentals. This is accomplished by textbook study, lecture and homework before practical experience in the shop. Safety practices and industry standards will be stressed. Second year students will continue by learning more advanced techniques and diagnostic procedures through weekly textbook and homework assignments, and hands-on shop experience. (1215/1315)

**BUILDING TRADES:** This program offers a 95% hands-on experience in all phases of residential construction. Once all safety procedures have been completed, students will be briefed on current building codes, span charts, blueprint reading, and estimating/scheduling. The students will then spend the remainder of the year at our off-campus jobsite, constructing a house or other project. Areas of study will include concrete, carpentry framing, roofing, siding and exterior trim, plumbing, HVAC, drywall and interior trim. In addition to using conventional lumber and understanding all its characteristics, they will also learn about and/or use composite materials and engineered lumber. Second year students are given the opportunity to obtain an internship, possibly receiving wages from an employer while gaining experience in a trade of choice that pertains to construction. (I225/I325)

**COMPUTER TECHNOLOGY:** State of the art program in computer maintenance and installation. Students work with hardware and software in a "real world" environment to maintain PCs and printers at IVVC. They also do maintenance work for other schools. New computer setup, purchase and evaluation is also a part of the course. Second year students explore wire and wireless networks. A+ Certification is possible after first year. (I525/I530)

**COSMETOLOGY:** This is a 1,500 hour program contracted through Hair Professionals Career College, offered at their Oswego or Sycamore site. Completers will have earned up to 1,000 hours towards the state licensing requirements for hairdressers during the two year program. (C205/C305)

**CULINARY ARTS:** Developed by the National Restaurant Association Educational Foundation, the ProStart Program is a two-year curriculum designed to teach high school students the management skills needed for a career in the restaurant and food service industry. ProStart students have the opportunity to earn an industry-approved, nationally recognized certificate, guaranteeing them a minimum \$2,000 scholarship and access to college articulation agreements. To earn the ProStart certification, students must complete the following program components: 360 hours of classroom instruction, covering hospitality business and food preparation; 400 hours of mentored internship, in front and back of house positions; workplace competency checklist, demonstrating industry knowledge and skills; successfully pass the year one and two national ProStart examination. (H324/H424)

**DRAFTING & DESIGN:** Have you ever considered a career in architecture or engineering? Are you interested in parts and structure? Do you like to create a design or think of ideas to improve an existing design? If so, then consider Drafting & Design to gain skills and ideas for a future career. This program provides a learning focus with both the technical aspect of drafting and the creativity of your own design. A list of the fields in which knowledge and experience are gained includes architectural design, engineering, interior design, mechanical design (cars and machinery parts), surveying/subdivision design, and landscape design. Hands-on projects are an important component of the course. Students design, construct, and test a bridge. Another project involves building a device to keep a marble in motion. Students also design and build a race car culminating in a test for the fastest one. These are just a few examples of the hand-on projects that add a depth of experience and learning to the technical study and computer work throughout the year. First year students learn the fundamentals on the drafting board and progress to beginning computer-aided drafting (CAD). Second year students learn advanced CAD while using a variety of CAD programs. (I251/I351)

**EARLY CHILDHOOD DEVELOPMENT:** The Early Childhood Development program offers a comprehensive study of child development by exposure to hands-on lab experiences through the Carole V. Nolin Preschool. First year students gain knowledge through theory and observation, learning to guide young children in their behavior and development. Second year students will have the opportunity to evaluate and meet the needs of specific children through in-depth curriculum planning and implementation. Second year students have internship opportunities available to them. (H205A/H305A)

**FIRE SCIENCE:** First year students follow the State Fire Marshall's Firefighter II curriculum which includes Hazardous Materials awareness and Technical Rescue awareness. Second year students follow the State Fire Marshall's Firefighter III and Fire Apparatus Engineer. This class offer hands-on practical skills towards certification. Applicants must meet physical fitness requirements and will become CPR certified. Both classes are offered at the Sandwich Fire Station. (I505/I510)

**GRAPHIC COMMUNICATIONS:** Become part of the next generation of digital design! The world is full of images and words and Graphics *IS* that world. Students will study foundation software and design skills and be introduced to careers in art and design. Learn what it takes to design an awesome t-shirt and how to make a poster pop. Make your own logo and print it on notepads, stationery, and business cards. Design a product label and work with a professional photographer on a photo shoot to produce an original magazine ad. Be a digital photographer. Learn how to take portraits, make an iMovie or shoot a video for You Tube. Explore interior design and plan the room of your dreams. Learn how to use state of the art software (Illustrator, InDesign and Photoshop) to turn your creative ideas into a reality. Field trips will introduce you to animation, web design, entertainment staging, college life, marketing, printing and more. Art or computer experience is helpful, but not a requirement to be successful in the amazing world of Graphic Communications. (I335/I435)

**HEALTH OCCUPATIONS-EXPLORING MEDICAL CAREERS:** This course is for junior and senior students who are interested in exploring medical careers in an Applied Life Science skill format. The curriculum provides unique hands-on learning opportunities as well as job shadowing of health careers professionals. The students will obtain CPR certification and basic first aid training. Students will learn some medical terminology and basic medical procedures associated with the health profession. (N305)

HEALTH OCCUPATIONS-CNA (Certified Nurse Assistant): This course is for **SENIORS ONLY** who are interested in becoming Certified Nurse Assistants. The student must have passed a biology or bio-med class at the home school with a minimum grade of C and must have a good attendance record. The Exploring Medical Careers class is not a prerequisite for this class; however, approval from IVVC and the home school may be required. This course follows the guidelines of the Illinois Department of Public Health to achieve a certificate as a Certified Nurse Assistant. A criminal background check is required. (N205)

HOSPITALITY MANAGEMENT: This course encompasses all facets of hotel management and the hospitality industry. Areas of study include facilities management, finance, food services, building security, housekeeping, marketing and tourism, event planning, and the legal aspects of the hospitality industry. In addition to classroom information and discussion, students will gain hands-on experience at Timber Creek Inn & Suites, located near IVVC in Sandwich.

LAW ENFORCEMENT: This course is designed for the student who is contemplating a career in law enforcement. The curriculum follows the certified Illinois State Police Basic Training used by all five Illinois Police Academies. All students may be required to submit to random drug testing and a background check in order to be involved with any “hands-on” activities. Students with a criminal history should not enroll. First year students will be studying criminal law, vehicle code, and case law in the first semester and learning how to investigate crimes, process a crime scene, and execute arrests in the second semester. Students will engage in dynamic scenario-based training, defensive tactics, officer safety skills, firearm safety and simulators using air-soft and paintball activities. At the conclusion of the first year, students will be able to correctly investigate a crime, make an arrest, complete booking and arrest report, and testify in court. Second year students will be leading class discussions, composing research projects, assuming a supervisory role with first year students, and actively training in Jiu Jitsu, Judo, and karate, as well as competing in weekly training scenarios using air-soft. Guest speakers include Secret Service, FBI, DEA, SWAT and field trips may include jails, police academies, military facilities, and police departments. (I515/I520)

SPORTS MEDICINE/SPORTS MANAGEMENT: This course will introduce the student to the many professions within the sports medicine and sports management industries, such as Athletic Training, Coaching, Physical Therapy, Personal Training and Massage Therapy. Sports Medicine I focuses on the anatomy of the skeletal and muscular systems, injuries, rehabilitation protocols, as well as taping and wrapping techniques. Sports Management I introduces students to a variety of careers in sports, including, but not limited to, the fitness industry, coaching, facility planning, sports marketing, and sport journalism. A requirement of all first year students is to perform, outside of class time, fifteen hours of professional job shadowing. Second year students meeting all prerequisites have the opportunity to participate in internships with local businesses. This course offers necessary skills required to enter many post-secondary educational programs. (N405/N406)

WELDING & FABRICATION: First year students enrolled in Welding are instructed in safety and workshop protocol and gain hands-on experience in basic arc welding. Second year students develop advanced arc welding skills and gain experience in “mig” and “tig” production welding. All classes emphasize employability skills including appropriate, professional conduct. (1240/1340)

## AGRICULTURE

### INTRODUCTION TO THE AGRICULTURE INDUSTRY (VALEES #A105)

CREDIT: 1

GRADE PLACEMENT: 9, 10

SEMESTER: Full Year (Offered Every Year)

DESCRIPTION: This orientation course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, agricultural mechanics, agricultural biotechnology, food science technology, environmental science, and aquacultural science and technology will be presented. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are recommended, as they are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

### SUPERVISED AGRICULTURAL EXPERIENCE I (VALEES #A110)

CREDIT: 1/2 credit (Repeatable up to 1 credit)

GRADE PLACEMENT: 9, 10

SEMESTER: Both Semesters (Offered Every Year)

DESCRIPTION: This experience program is for students in the 9<sup>th</sup> and 10<sup>th</sup> grades. Students receiving career and technical credit in this area must be enrolled in an approved agricultural program sequence. Individual students will have a minimum of one approved project or acceptable plans for a project. Supervised study, project record bookwork, training plans and agreements, report writing, and instructor project visitation and supervision are essentials of the supervised agricultural experience. Students may be concurrently enrolled in either Introduction to the Agricultural Industry or Basic Agricultural Science or may enroll on an independent study basis.

**PREREQUISITE: Introduction to Agriculture or consent of the instructor**

### AGRICULTURAL SCIENCE (VALEES #A115)

CREDIT: 1

GRADE PLACEMENT: 9, 10

SEMESTER: Full Year (Not Offered 2010-2011)

DESCRIPTION: This orientation course builds on the basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include advanced plant science, soil science, animal science and agricultural mechanics. Applied math and science skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are recommended, as they are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

**PREREQUISITE: Introduction to Agriculture or consent of the instructor**

### BASIC AGRICULTURAL MECHANICS (VALEES #120)

CREDIT: 1

GRADE PLACEMENT: 10, 11

SEMESTER: Full Year (Offered 2010-2011)

DESCRIPTION: In this course, theory and hands-on experience provide opportunities for students to develop basic knowledge and skills in agricultural mechanics. Instructional areas include the basic fundamentals of maintaining and repairing small gasoline engines, basic electricity, welding, construction, cold metal work, and operating agricultural equipment safely. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are recommended, as they are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

**PREREQUISITE: Introduction to Agriculture or consent of the instructor**

AGRICULTURAL MARKETING AND SUPPLIES (VALEES #205)

CREDIT: 1

GRADE PLACEMENT: 10-12

SEMESTER: Full Year (Not Offered 2010-2011)

DESCRIPTION: This course is designed to develop student knowledge and skills in operating an agribusiness. Instructional units include: establishment of agribusiness, managing the agribusiness, financing the agribusiness, marketing and advertising, product development sales techniques and strategies, communicating with employees and customers, and studying various agricultural companies and career opportunities. Computer software application and the Internet will be integrated through data management, inventories, and accounting. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are recommended, as they are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

**PREREQUISITE: Introduction to Agriculture or consent of the instructor**

AGRICULTURAL MACHINERY SERVICE (VALEES #A217)

CREDIT: 1

GRADE PLACEMENT: 11, 12

SEMESTER: Full Year (Not Offered 2010-2011)

DESCRIPTION: This comprehensive machinery service course concentrates on the following areas: using service manuals, electrical applications for agricultural equipment, fundamentals of multi-cylinder engines, reconditioning and repairing agricultural equipment, assembling and adjusting agricultural equipment, organization and management of agricultural machinery dealerships, human relations, and sales techniques. Careers such as agricultural equipment salesperson, mechanic, parts manager, sales manager, service technician, and other related occupations would be examined. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are recommended, as they are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

**PREREQUISITE: Introduction to Agriculture or consent of the instructor**

SUPERVISED AGRICULTURAL EXPERIENCE II (VALEES #210)

CREDIT: 1/2 credit/year

GRADE PLACEMENT: 11, 12

SEMESTER: Both Semesters (Offered Every Year)

This experience program is for 11<sup>th</sup> and 12<sup>th</sup> grade agricultural students. The opportunities and responsibilities are similar to those discussed under Supervised Agricultural Experience I with the exception that the experiences are conducted at a more advanced level of skill training. The project should be expanded as the student progresses through the agricultural program. Students may be concurrently enrolled in a preparation level agricultural education course or may enroll on an independent study basis.

**PREREQUISITE: SAE I**

### AGRICULTURAL MECHANICS AND TECHNOLOGY (VALEES #219)

CREDIT: 1  
GRADE PLACEMENT: 10-12  
SEMESTER: Full Year (Offered 2010-2011)

This course will concentrate on expanding student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are: design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, employability skills. Careers of agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager, safety inspector, welder, and other related occupations would be examined. Microcomputer applications are utilized as they relate to each instructional unit. Because FFA and SAE are integral components of the course, students are encouraged to maintain an SAEP and to participate in activities of the FFA organization.

**PREREQUISITE: Introduction to Agriculture or consent of the instructor**

### AGRICULTURAL BUSINESS MANAGEMENT (VALEES #A310)

CREDIT: 1  
GRADE PLACEMENT: 11, 12  
SEMESTER: Full Year (Offered 2010-2011)

This course will develop students' understanding of the agricultural industry relating to the United States and World marketplace. Instructional units include: marketing and trading of agricultural products, international agriculture, imports and exports, agricultural law, taxes, governmental regulations and policies, and advanced computerized record keeping. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Employability skill will be developed with resume writing and interviewing techniques to gain employment. Post-secondary education will be explored at agricultural colleges and universities. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are recommended, as they are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

**PREREQUISITE: Introduction to Agriculture or consent of the instructor**

### HORTICULTURAL PRODUCTION AND MANAGEMENT

CREDIT: 1  
GRADE PLACEMENT: 11, 12  
SEMESTER: Full Year (Offered 2010-2011)

**DESCRIPTION:** This advanced course offers instruction in both the floriculture and landscape areas of horticulture. Units of study include plant identification, greenhouse management, culture of greenhouse crops, care and handling of cut flowers, and some basic floral design principles. Also included are landscape design, installation, and maintenance; horticulture mechanics; nursery management; integrated pest management; ornamental crop production and vegetable production. Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

**PREREQUISITE: Introduction to Agriculture or consent of the instructor**

LANDSCAPING AND TURF MANAGEMENT (VALEES #A325)

CREDIT: 1

GRADE PLACEMENT: 11, 12

SEMESTER: Full Year (Not Offered 2010-2011)

DESCRIPTION: This advanced course focuses on the landscape, nursery, and turf segments of the horticulture industry. Units of study include: identifying landscape plants, designing landscape plans, landscape construction techniques, and installing landscape plants. Also included are nursery production, turf grass production, small engine repair, and maintenance of existing landscapes. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are recommended, as they are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

**PREREQUISITE: Introduction to Agriculture or consent of the instructor**