

SANDWICH HIGH SCHOOL
2019-2020
COURSE SELECTION
BOOKLET



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Sandwich High School 4-Year Plan

<u>Freshman Year</u>	<u>Credit</u>
English I / Honors English I	1
Algebra I/Honors Geo/Acc. Algebra I	1
Phys. Science/Biology I	1
Physical Education	1
Foreign Language/Fine Arts	1
Social Studies	.5
Social Studies	.5
Elective/Study Hall	.5
Elective/Study Hall	.5

<u>Sophomore Year</u>	<u>Credit</u>
English II/Honors English II	1
Geo/Honor Geo/Honors Algebra II	1
Biology I/Chemistry I	1
Health	.5
Driver Education	.5
Foreign Language/Fine Arts	1
Social Studies	.5
Speech/ Acc. Speech	.5
Elective/Study Hall	.5
Elective/Study Hall	.5

<u>Junior Year</u>	<u>Credit</u>
English III/AP Lang/Comp	1
American History/AP US History	1
Algebra II/Trig/Pre-Calculus (Honors)	1
Physical Education	1
Chemistry I/Anatomy & Phy/Chem II/AP Honors Bio I	1
Social Studies	.5
Social Studies	.5
Elective/Study Hall	.5
Elective/Study Hall	.5

<u>Senior Year</u>	<u>Credit</u>
English IV/AP Lit/Comp	1
Consumer Education/AP Micro	.5
Government	1
Trig/Pre-Calc(Honors)/Calculus (AP)	1
Anatomy and Physiology/Chem II/Physics (AP),	
AP Honors Bio I/	1
Physical Education	.5
Elective	.5
Elective	.5
Elective/Study Hall	.5
Elective/Study Hall	.5

*23 Credits are required for graduation.

*3 semesters of elective classes MUST be Social Studies courses including Government.

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

*Students should total between 6 and 7 credits each year.

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-year 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 three additional classes plus physical education 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

Driver 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)	1 Credit
Consumer Ed. (1 Semester)	1/2 Credit
Electives (7 Semesters)	3 1/2 Credits
Phys. Ed. (2 Semesters)	1 Credit
Government (1 Semester)	<u>1/2 Credit</u>
	6 1/2 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. Eight Semesters of English (4 Credits) - 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. Five Semesters of Social Studies (2 1/2 Credits) (Must include one credit in American History and 1/2 credit in Government)
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 Education (1/2 Credit)
9. Two Semesters Chosen From:
 - a. Music
 - b. Art
 - c. Foreign Language or Vocational Education (1 credit)

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 pass English I or Honors English I (1 credit) their freshmen year. They must pass English II or Honors English II (1 credit) their sophomore year. Sophomores must also pass Speech or Accelerated Speech. Junior students are required to pass English III or AP Language (1 credit). Seniors students are required to pass English IV or AP Literature.
2. **Science** - Students must be enrolled in a life science class and a physical science class during their freshman and sophomore years. Freshmen can choose to take either Biology I or Honors Biology I to satisfy their life science requirement or Physical Science or Chemistry to satisfy the physical science requirement. If the student takes a life science class during their freshmen year, they must take a physical science class during their sophomore year. If they take a physical science class during their freshman year, they must take a life science class during their sophomore year. Students who have taken Physical Science during their freshman year generally take Biology I during their sophomore year. Students who have taken Biology I as freshmen generally take a physical science course during their sophomore year. Students who have taken Honors Biology I as freshmen generally take Chemistry I as sophomores.
3. **Mathematics** - All students must enroll in a course in mathematics during their freshman, sophomore, and junior years. **All graduates** are required to pass 3 years of mathematics, one of which must be Algebraic Content and one with Geometry content.
4. **Social Studies** - Students must enroll in American History (1 credit) or AP US History (1 credit) during their junior year. A second Social Studies credit (1 credit) must be selected from the remaining Social Studies electives. Students must enroll in U.S. Government during their senior year (1/2 credit). The U.S. and Illinois Constitution tests must be passed 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 their 9th, 11th and 12th years of enrollment at Sandwich High School, unless the student meets the requirements of P.E. exemption

during their 11th and/or 12th grade year.

(B) A "medical" from physical education will verify that a student was medically unable to fulfill the physical 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 in consumer education their junior or senior year. Students can elect to take AP Microeconomics to meet the Consumer Education requirement.
7. **Driver Education** - Students must enroll in a semester course in driver education. Eligibility is granted to students who have at least a sophomore standing, passing grades in at least eight courses during the previous two semesters and DOB requirements.
8. **Health** - Students must enroll for a semester in health education during their sophomore year.
9. In determining the awarding of credits, all decisions are based upon the successful completion of a semester of course work.
10. Sandwich High School will allow 6 credits to apply towards graduation from correspondence schools, summer school, community college, and approved online courses. Students may take one outside credit freshman year, one sophomore year, two junior year, and two senior year. Exceptions can be made based on administrative approval. The guidance office must approve all courses.
11. **Waubonsee Community College** Senior students may petition to attend Waubonsee Community College on a shared time basis with their high school program (Dual Credit). Students must attend Sandwich High School for at least four periods per day. Those who elect to attend SHS part-time must be enrolled in at least three on-site Waubonsee credits; online courses cannot count toward the three on-site credits. Students **may not enroll** in Waubonsee classes that are available through Sandwich High School. Students that are dropped from Waubonsee during the semester must attend Sandwich High School for the remainder of the semester. Seniors attending Waubonsee must provide an official transcript before Sandwich High School will release high school transcripts.

Junior students may attend Waubonsee Community College during the summer term between their Junior and Senior years.

12. The programs at the Indian Valley Vocational Center are available for juniors and seniors. IVVC course descriptions are listed within the registration booklet.
13. **Early Completion** - Early completion will be considered after consultation between the student, his/her parents/guardians, and school officials. In every instance, graduation requirements must be met. It is the responsibility of the student to secure an application for Early Completion form the Guidance Department and to then 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 at 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 G.P.A. ranked with the class with which they entered high school.
 - c. The usual senior rights, privileges, and responsibilities will be expected from these students.
 - d. Students must have completed 19.5 credits by the end of the student's junior year (by August 15.)

14. **Early Graduation** - Early graduation will require a formal petition by the student and his/her parents/guardians, 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 prior to the beginning of a student's fifth semester of schooling. 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 Early Graduation program at Sandwich High School, a 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 (current seniors.)
 - 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.
15. **Dropping and adding courses** – Students will not be permitted to drop or add classes after the first three days of each semester. Students enrolled in year-long classes will not be allowed to drop these classes (at semester break) unless there are extenuating circumstances (i.e. failing grade (semester 1), medical, graduation requirement, etc.). If a student has seven classes, he/she will be permitted to drop one course for a study hall up to the fifth week of each semester. Dropping classes will only be permitted if other classes are available. Adding of classes will only be permitted in class sections that are not overloaded.
16. While students are entitled to an earned diploma, they do not possess a property interest or a right of entitlement to participation in graduation ceremonies or serve in any particular role at graduation. Academic misconduct shall cause a student to be ineligible for all awards and accolades related to valedictorian and salutatorian including, but not limited to, graduation speeches, press releases, and program announcements.
17. **STUDENT ELIGIBILITY FOR EXTRACURRICULAR ACTIVITIES** - in order to be eligible for extracurricular activities, a student must be passing a minimum of 5 regular credit courses (25 hours per week). A student also must have passed 5 regular credit courses the semester prior to his/her intended participation.

GRADING POLICY

The following grading policy has been adopted: 90-100% = A, 80-89% = B, 70-79% = C, 60-69% = D, 0-59% = F. Numerical basis for GPA A = 4.00, B = 3.00, C = 2.00, D = 1.00, F = 0.

Final grades will be computed using a straight percentage formula. Each quarter grades will count for 40% of the semester grade and the exam will count for 20% of the semester grade.

All classes that are one semester or more in length will be used to calculate each student's grade point average (GPA).

Weighted grades: **Weighted grades are in effect for class of 2018.** All honors courses will be weighted on a 4.5 scale. The scale is as follows: A (4.5), B (3.5), C (2.5), D (1.5), and F (0.0). The following courses are weighted on a 4.5 scale: Honors English I, Honors English II, Honors English III, Honors English IV, Honors Biology I, Honors Algebra II, Honors Pre-Calculus/Trigonometry, Honors Art III.

All Advanced Placement courses will be weighted on a 5.0 scale. The scale is as follows: A (5.0), B (4.0), C (3.0), D (2.0), and F (0.0). The following courses are weighted on a 5.0 scale: AP English Language and Composition, AP Government and Politics (Comparative and US), AP United States History, AP Calculus AB, AP Microeconomics, AP Macroeconomics, Introduction to Engineering Design, and Principles of Engineering.

Pass/Fail: According to Board Policy 6:280, students may choose to take a one year course or two semester courses for credit on a pass/fail basis per school year. A student can only take eight semesters using this option. The option may not be carried into another year if not used. Prerequisites must be completed before the student's schedule may include a course with the pass/fail arrangement. No more than one year course of each general subject area may be taken using the option. The Building Principal shall administer the pass/fail option.

A class taken pass/fail will not affect a student's GPA. Students that desire to take a class pass/fail must submit a written request to the building principal within the first five (5) days of the semester.

SCHEDULE CHANGES

Course selection at Sandwich High School begins in November and concludes in February. Schedules will be generated in May, and students can see their counselor regarding schedule change information. The student needs to make an appointment with a guidance counselor to discuss potential changes before the end of the school year. Students will have one opportunity to change classes and should make all necessary changes at that time. Counselors will not make multiple changes except in the cases listed below. Students should make every attempt to complete **ALL** schedule changes prior to the end of the current school year.

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 1st 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 7th class. **STUDENTS WILL NOT BE PLACED IN ANOTHER COURSE, BUT WILL BE PLACED IN STUDY HALL ONLY.** Students dropping a class after the 5th 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. Community College
 1. Completion of college assessment test in English and Math.
 2. Specific subject requirements are generally not stipulated by a two-year community 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.
 - a. Earn a grade point average of at least 2.0 in the core curriculum courses (Please contact Guidance for core course definitions)
 - b. Earn a sum of scores of at least 68 on the ACT or 920 on the SAT.
 - c. Information on NCAA requirements is available below.
 - d. SAT must be taken on a national test day in addition to the exam given at SHS in April.
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 and 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. More information is also available at 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 School 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.

COURSE SELECTION

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 school 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

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.

HONORS ENGLISH I (weighted .5)

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 advanced 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.

HONORS ENGLISH II (weighted .5)

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.

ACCELERATED 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. Speech time expectations will be extended and one extra speech is required.

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.

AP ENGLISH LANGUAGE AND COMPOSITION (weighted 1.0)

CREDIT: 1

RECOMMENDATION: A or B in Honors English II (Students in English II can be recommended by their teacher)

GRADE PLACEMENT: 11

SEMESTER: Full Year

DESCRIPTION: An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. While the AP English Language and Composition course assumes that students already understand and use standard English grammar, it also reflects the practice of reinforcing writing conventions at every level. The intense concentration on language use in the course enhances students' ability to use grammatical conventions appropriately and to develop stylistic maturity in their prose. Stylistic development is nurtured by emphasizing a wide-ranging vocabulary used appropriately and effectively; a variety of sentence structures, including appropriate use of subordination and coordination; logical organization, enhanced by specific techniques to increase coherence, such as repetition, transitions and emphasis; a balance of generalization and specific illustrative detail; and an effective use of rhetoric, including controlling tone, establishing and maintaining voice, and achieving appropriate emphasis through diction and sentence structure.

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.

AP ENGLISH LITERATURE AND COMPOSITION (weighted 1.0)

CREDIT: 1

RECOMMENDATION: A or B in AP English Language and Composition

GRADE PLACEMENT: 12

SEMESTER: Full Year

DESCRIPTION: An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for the readers. As they read, students consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. This course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Reading in this class is both wide and deep. Students will read works from several genres and periods – from the 16th to the 21st century.

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.

SOCIAL STUDIES CURRICULUM

INTRODUCTION TO SOCIAL STUDIES

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

DESCRIPTION: This is a 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 GEOGRAPHY

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

DESCRIPTION: World Geography is a one semester course. The class is mainly for freshmen and sophomore students. This class will look at the cultural, physical and political makeup of countries throughout the world.

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 through World War II. 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.

MODERN 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.

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.

AP US HISTORY (weighted 1.0)

CREDIT: 1 – REQUIRED COURSE (IN LIEU OF AMERICAN HISTORY THROUGH WW II)
GRADE PLACEMENT: 11
SEMESTER: Full Year

DESCRIPTION: This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials- their relevance to a given interpretive problem, their reliability, and their importance- and to weigh the evidence and interpretations presented in historical scholarship. This course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. (College Entrance Examination Board. Course Description: United States History. New York, New York. 2001.) Note: for a student paid fee set by Advanced Placement (approx. \$93), students have the opportunity to take an exam in May that will be worth the equivalent of one college course if passed.

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.

PSYCHOLOGY

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 that is designed to introduce students to psychological concepts and theories. This course covers 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 different ethnic minorities. A short unit on finding family roots also will be included.

AMERICAN GOVERNMENT

CREDIT: 1/2

GRADE PLACEMENT: 12

SEMESTER: Either

DESCRIPTION: American Government is a study of the American Political System at both the state and national levels of government. Passing this class will fulfill the state requirements of the U.S. and Illinois Constitution requirements.

AP GOVERNMENT AND POLITICS: US (weighted 1.0)

CREDIT: 1/2

GRADE PLACEMENT: 12

RECOMMENDATION: American History or AP US History

SEMESTER: Either

DESCRIPTION: This course will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U. S. government and politics. While there is no single approach that an AP United States Government and Politics course must follow, students should become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Certain topics are usually covered in all college courses. (College Entrance Examination Board. Course Description: Government & Politics: United States. New York, New York. 2010.) Note: for a student paid fee set by Advanced Placement (approx. \$90), students have the opportunity to take an exam in May that will be worth the equivalent of one college course if passed.

AP GOVERNMENT AND POLITICS: COMPARATIVE (weighted 1.0)

CREDIT: 1/2

GRADE PLACEMENT: 12

RECOMMENDATION: American History or AP US History

SEMESTER: Either

DESCRIPTION: The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking. In addition to covering the major concepts that are used to organize and interpret what we know about political phenomena and relationships, the course should cover specific countries and their governments. Six countries from the core of the AP Comparative Government and Politics course. China, Great Britain, Mexico, Nigeria, and Russia are all regularly

covered in college-level introductory comparative politics courses. The inclusion of Iran adds a political system from a very important region of the world and one that is subject to distinctive political and cultural dynamics.

By using these six core countries, the course can move the discussion of concepts from abstract definition to concrete example, noting that not all concepts will be equally useful in all country settings. (College Entrance Examination Board. Course Description: Politics and Government: Comparative. New York, New York. 2006.) NOTE: For a fee set by Advanced Placement (approx. \$90), students have the opportunity to take an exam in May that will be worth the equivalent of one college course if passed.

AP MICROECONOMICS (weighted 1.0)

CREDIT: 1/2

GRADE PLACEMENT: 11, 12

SEMESTER: Either

DESCRIPTION: The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. It includes the following concepts: scarcity, opportunity costs and production possibilities, specialization and comparative advantage, the functions of economic systems, nature and function of product market, supply and demand costs, revenue, product pricing and outputs, efficiency and government policy, factor markets, equity and the role of government. The class is designed to provide students with the analytical skills and factual knowledge necessary to critically deal with the problems and materials in economics. The program prepares students for intermediate and advanced college courses.

AP Microeconomics does count toward the Consumer Education Requirement.

AP MACROECONOMICS (weighted 1.0)

CREDIT: 1/2

GRADE PLACEMENT: 11, 12

SEMESTER: Either

DESCRIPTION: AP Macroeconomics is a course designed to provide students with a thorough understanding of the principles of economics in examining aggregate economic behavior. Students taking the course can expect to learn how the measures of economic performance, such as GDP (Gross Domestic Product), inflation and unemployment, are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. Students will also learn the basic analytical tools of macroeconomics, primarily the aggregate demand and aggregate supply model and its application in the analysis and determination of national income, as well as evaluating the effectiveness of fiscal policy and monetary policy in promoting economic growth and stability. Recognizing the global nature of economics, students will also have ample opportunities to examine the impact of international trade and international finance on national economics. Various economic schools of thought are introduced as solutions to economic problems. The class is designed to provide students with the analytical skills and factual knowledge necessary to critically deal with the problems and materials in economics. The program prepares students for intermediate and advanced college courses.

AP Macroeconomics does not count toward the Consumer Education Requirement.

GLOBAL STUDIES

CREDIT: 1/2

GRADE PLACEMENT: 12

RECOMMENDATION: AP US 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.

SCIENCE CURRICULUM

Students need to be enrolled in a life science class **and** a physical science class during their freshman and sophomore years. **College bound students should take 3-4 years of science.**

Anatomy and Physiology, Chemistry II, Earth Science, Environmental Science, AP Biology, and Physics/AP Physics are electives available to juniors and seniors. PLTW courses count as science electives for all students. PLTW courses do not satisfy the life science and physical science requirements.

PHYSICAL SCIENCE (Physical Science)

CREDIT: 1

GRADE PLACEMENT: 9, 10

SEMESTER: Full Year

DESCRIPTION: Physical Science 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. This course qualifies as a high school lab science credit.

BIOLOGY I (Life Science)

CREDIT: 1

GRADE PLACEMENT: 9, 10

SEMESTER: Full Year

DESCRIPTION: Biology I 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. Biology I is designed to increase the student's understanding of himself and the world around him. This course qualifies as a high school lab science credit.

HONORS BIOLOGY I (Life Science)

CREDIT: 1

REQUIRED: B or higher in 8th Grade Science, enrolled in Algebra I or higher

GRADE PLACEMENT: 9, 10, 11, and 12

SEMESTER: Full Year

DESCRIPTION: Honors 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. This course qualifies as a high school lab science credit.

AP BIOLOGY I (weighted 1.0)

CREDIT: 1

REQUIRED: Completion of Biology and Chemistry

GRADE PLACEMENT: 11, and 12

SEMESTER: Full Year

DESCRIPTION: AP Biology is an introductory college-level biology course where students use inquiry-based investigations to explore topics such as evolution, cellular process, energy & communication, genetics, information transfer, ecology and interactions. According to the College Board, the 2016 AP Biology exam had a pass rate of 63.8%. This is only behind the two calculus-based physics courses offered in the area of science. In 2015, 8,358 Illinois students took the AP Biology exam with 5,288 students earning college credit.

CHEMISTRY I (Physical Science)

CREDIT: 1

REQUIRED: Students must be enrolled in or completed Algebra I with at least a C average AND complete either Biology I with at least a B average OR Advanced Biology I with at least a C average.
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. This course qualifies as a high school lab science credit.

ANATOMY AND PHYSIOLOGY

CREDIT: 1
REQUIRED: Students must have received a grade of C or above in Honors Biology I or a B 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 biochemistry, cytology, histology, and human anatomy and physiology. This course qualifies as a high school lab science credit.

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. This course qualifies as a high school lab science credit.

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 erosion, wind, glaciers, surface water, ground water, atmosphere, 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. This course qualifies as a high school lab science credit.

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. This course qualifies as a high school lab science credit.

PHYSICS

CREDIT: 1
REQUIRED: Students must have completed trigonometry with a grade of C or above or currently 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. This course qualifies as a high school lab science credit.

AP PHYSICS (weighted 1.0)

CREDIT: 1
REQUIRED: Students must have completed trigonometry with a grade of C or above or currently 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: AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry based investigations that provide students with opportunities to apply the science practices. Each student should complete a lab notebook or portfolio of lab reports.

PLTW-STEM CURRICULUM (Elective Science Credit -weighted 1.0)

INTRODUCTION TO ENGINEERING DESIGN (weighted 1.0)

CREDIT: 1 (Elective Science Credit Beginning 2018-2019)
RECOMMENDATION: Student must have completed Accelerated Geometry or concurrently enrolled in Geometry.
GRADE PLACEMENT: 9, 10, 11, 12
SEMESTER: Full Year

DESCRIPTION: This is the first course in a two-year sequence. In this course, students dig deep into the engineering design process, applying math, science and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

PRINCIPLES OF ENGINEERING (Weighted 1.0)

CREDIT: 11 (Elective Science Credit Beginning 2018-2019)
RECOMMENDATION: Student must have completed Geometry or concurrently enrolled in Geometry.
GRADE PLACEMENT: 10, 11, 12 (recommended)
SEMESTER: Full Year

DESCRIPTION: This is the second course in a two-year sequence. In this course, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials and automation. Students develop skills in problem solving, research and design while learning strategies for design process documentation, collaboration and presentation.

MATHEMATICS CURRICULUM

ALGEBRA I

CREDIT: 1

RECOMMENDATION: 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. A scientific calculator or better is required. The recommended calculator is the TI-84 Plus Silver Edition.

ALGEBRA I WORKSHOP

CREDIT: 1 (math elective-does not count toward the Algebra and Geometry content requirement)

PLACEMENT: Teacher recommendation

SEMESTER: Full year

DESCRIPTION: This course is taken in conjunction with Algebra I. This course will reinforce the content taught in Algebra I and allow time for support with homework assigned during the day. 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.

ACCELERATED ALGEBRA I

CREDIT: 1

RECOMMENDATION: Instructor recommendation

GRADE PLACEMENT: 9

SEMESTER: Full Year

DESCRIPTION: A faster-paced Algebra I course designed for those students who completed Algebra I in 8th grade and need to strengthen their skills before enrolling in Accelerated Geometry or for those who excelled in 8th grade math. A scientific calculator or better is required. The recommended calculator is the TI-84 Plus Silver Edition.

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. A scientific calculator or better is required. The recommended calculator is the TI-84 Plus Silver Edition.

GEOMETRY WORKSHOP

CREDIT: 1 (math elective-does not count toward the Algebra and Geometry content requirement)

PLACEMENT: Teacher recommendation

SEMESTER: Full year

DESCRIPTION: This course is taken in conjunction with Geometry. This course will reinforce the content taught in Geometry and allow time for support with homework assigned during the day. Students must be enrolled in Geometry at the same time.

HONORS GEOMETRY (Weighted .5)

CREDIT: 1

RECOMMENDATION: 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 scientific calculator or better is required. The recommended calculator is the TI-84 Plus Silver Edition.

ALGEBRA II

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 quadratic relations and systems. A scientific calculator or better is required. The recommended calculator is the TI-84 Plus Silver Edition.

HONORS ALGEBRA II (Weighted .5)

CREDIT: 1
RECOMMENDATION: A or B in Accelerated Geometry or Instructor Recommendation.
GRADE PLACEMENT: 10, 11
SEMESTER: Full Year
DESCRIPTION: A faster-paced Algebra II course designed for the serious math student who is planning to enroll in calculus. A scientific calculator or better is required. The recommended calculator is the TI-84 Plus Silver Edition.

PRE-CALCULUS

CREDIT: 1/2
RECOMMENDATION: A graphing calculator is required. A TI-84 Plus Silver Edition 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 a TI-92 is prohibited.
GRADE PLACEMENT: 11, 12
SEMESTER: First
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. As time permits probability will be explored.

QUANTITATIVE LITERACY AND STATISTICS

CREDIT: 1
RECOMMENDATION: Must have completed three years of mathematics including Algebra II (or equivalent) and one Geometry based course. SAT math scores should be below 550. A graphing calculator is required. A TI-84 Plus Silver Edition 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: 12
SEMESTER: Full Year

The Quantitative Literacy and Statistics Pathway is for students focused on attaining competency in general statistics, data analysis, quantitative literacy, and problem solving. This course is intended for students whose career goals do not involve occupations relating to either the College Algebra or Technical Math Pathway or those who have not yet selected a career goal. **The curriculum will be adjusted as the state finalizes their requirements. The course book will be updated to reflect changes.**

TRIGONOMETRY

CREDIT: 1/2
RECOMMENDATION: C or better in Algebra II and Pre-Calculus. A graphing calculator is required. A TI-84 Plus Silver Edition 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: Second

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.

HONORS PRE-CALCULUS/TRIGONOMETRY (Weighted .5)

CREDIT: 1

RECOMMENDATION: A or B in Honors Algebra II or instructor recommendation. A graphing calculator is required. A TI-84 Plus Silver Edition is recommended. 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

RECOMMENDATION: B or better in pre-calculus and trigonometry or in advanced pre-calculus. A graphing calculator is required. A TI-84 Plus Silver Edition is recommended. A TI-83 may be used. 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 that have been in accelerated mathematics and will need calculus to complete their college curriculum. Topics include limits, continuity, derivatives and their applications, and integrals and their applications.

AP CALCULUS AB (Weighted 1)

CREDIT: 1

RECOMMENDATION: A in advanced pre-calculus. Students must also be familiar with the properties of functions, the algebra of functions and the graphs of functions. Students must also understand the language of functions (domain and range, odd and even, periodic, symmetry, zeros, intercepts and so on) and know the values of the trigonometric functions at the numbers $0, \frac{\pi}{6}, \frac{\pi}{4}, \frac{\pi}{3}, \frac{\pi}{2}$, and their multiples. A graphing calculator is required. A TI-84 Plus Silver Edition is recommended. A TI-83 may be used. 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 that have been in accelerated mathematics and intend to take the AP Calculus AB test in the spring in the hopes of gaining college credit. Topics include limits, continuity, derivatives and their applications, and integrals and their applications. An emphasis will also be placed on how to explain solutions to problems both verbally and in written sentences.

FOREIGN LANGUAGE CURRICULUM

The following are recommended for students seeking to learn a foreign language: 1) Strong desire to master a foreign language, 2) and Self-discipline. Two years of foreign language is an entrance requirement at many colleges and universities. Four years may exempt the student from the college level foreign language graduation requirement.

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. A grade or 'C' or better is required to move on to Spanish II or instructor approval.

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. A grade of 'C' or better is required to move on to Spanish III or instructor approval.

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. A 'C' or better is required to move on to Spanish IV or instructor approval.

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.

PHYSICAL EDUCATION, DRIVER 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.

WEIGHTLIFTING

CREDIT: .5
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.

STUDIO FITNESS

CREDIT: .5
GRADE PLACEMENT: 10, 11, and 12
SEMESTER: Either

DESCRIPTION: This course would be a fitness based Physical Education class open to all students interested in maintaining or improving their physical, mental, and emotional wellness. This would not be a sports based class, nor will it require the use of the weight room. This class would incorporate a variety of other activities found in fitness centers. Some examples of these activities would include, but are not limited to, Pilates, yoga, kickboxing, dance fitness, and circuit training. This class would also be an avenue for incorporating information on nutrition and personal fitness goals as well. In addition, we could contact local fitness agencies and allow for them to come in and demonstration classes to promote participation in physical activity outside of the school day.

DRIVER 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

Two years of fine arts is an entrance requirement at many colleges and universities.

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.

PERCUSSION ENSEMBLE CLASS

CREDIT: 1
RECOMMENDATION: By Instructor
GRADE PLACEMENT: 9, 10, 11, 12
SEMESTER: Full Year

DESCRIPTION: Percussion Ensemble Class is open to all music students. The class will perform in concerts as the percussion section of the Concert Band or Wind Ensemble as well as a percussion ensemble or in small groups. Students will receive instruction on rudimental snare drum, modern snare, 2 mallet technique, 4 mallet technique, timpani, bass drum and all other implements (triangle, cymbal, etc.). This class addresses the specific needs of percussion students and offers small group instruction on each percussion instrument and in various styles. Students will be assessed on note reading, ear training, posture/stick technique, rhythmic accuracy, technique, phrasing/style and ensemble contribution.

PREREQUISITE: Instructor Approval

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.

CONCERT CHOIR

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

DESCRIPTION: Concert Choir: Concert Choir is an auditioned group of singers from grades 10-12. This group is an SATB ensemble and will sing an advanced level of choral music. Works performed will include all different genres, time periods, and languages. They will be expected to develop their knowledge of music theory, sight-reading, and history in class. In addition, there will be heavy emphasis on furthering their vocal development individually and as a group. Concert Choir is a graded course that meets during the school day. There is a fee for Concert Band.

CHORALE

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

DESCRIPTION: Chorale is a beginning choir that will include students from all grade levels in the high school. They will sing music of varying levels of difficulty, with the focus being on development and growth throughout the year. Works performed will include all different genres, time periods, and languages. They will be expected to develop their knowledge of music theory, sight-reading, and history in class. In addition, there will be heavy emphasis on furthering their vocal development individually and as a group. Chorale is a graded course that meets during the school day.

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**

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.

ARTS, CRAFTS, AND CULTURE

CREDIT: .5
RECOMMENDATION: Consent of teacher and/or credit for Art III
GRADE PLACEMENT: 11, 12
SEMESTER: Semester
DESCRIPTION: This course is a craft based Art course intended for the students who are interested in the creative process, but not interested in the fine art aspect (drawing/painting). Students will learn about the art and crafts of

various cultures while creating works of art. Students will get to experience working with a variety of different 2-dimensional and 3-dimensional mediums such as paint, clay, fabric, metal, wood, and yarn, while learning multiple studio techniques.

FAMILY & CONSUMER SCIENCES CURRICULUM

FOODS AND NUTRITION I

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. Basic instruction on safety and sanitation, nutrition and health, social/cultural aspects, consumer skills, kitchen math, table setting and manners, meal management, food science and technology, and career options are introduced. 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

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 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. **MUST PASS FOODS II TO BE ELIGIBLE FOR FOODS III.**

FOODS AND NUTRITION III

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. Students must have completed and passed Foods and Nutrition I and II with a C or better.

CLOTHING CONSTRUCTION I

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

DESCRIPTION: Students must supply own materials. The following highlights: 1) Familiarity with sewing machine; 2) 3 required sewing projects; 2) Clothing influences, customs, family influences and self-expression; 3) Fashion history and styles; 4) Clothing care; and 5) Principles of design

CLOTHING CONSTRUCTION II

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

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

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. We have rechargeable batteries so students are not required to supply replacement batteries for the "baby".**

CHILD DEVELOPMENT

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; the development of children from birth to age 5 (physical, social, and emotional developmental patterns); observation of children in different age groupings; special interest areas; and employment opportunities.

MARRIAGE & FAMILY LIVING

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.

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: Keyboarding & Formatting I; Introduction to Business; Designing Web Pages for Business; Computer Applications; and Accounting

BUSINESS MANAGEMENT: Keyboarding & Formatting I; Introduction to Business; Computer Applications; Accounting; Marketing/Entrepreneurship; and Principles of Management

COMPUTER INFORMATION: Keyboarding & Formatting I; Computer Applications; Designing Web Pages for Business

KEYBOARDING & FORMATTING I

CREDIT: 1/2

GRADE PLACEMENT: 9, 10, 11, and 12

SEMESTER: Either

DESCRIPTION: This course is recommended for students seeking work in a business related career such as office work and business management. It is recommended for college bound students and for personal use. This course is primarily devoted to developing a mastery of the keyboard and basic formatting skills (typing of letters, research papers, and other related problems).

ACCOUNTING I

CREDIT: 1

GRADE PLACEMENT: 11, 12 (This class allows juniors & seniors to earn college credit at Waubonsee Community College). Freshman and sophomores could take the class but would not be able to earn the Waubonsee credit.

SEMESTER: Full Year

DESCRIPTION: This introductory accounting course emphasizes the development of a firm foundation in fundamental accounting procedures using the accounting cycle of a small business organized as a sole proprietorship. Topics include: transaction analysis, financial statements, the accounting cycle of service and merchandising firms, accounting for bank accounts, cash funds, accounts receivable, notes receivable, inventory, long-term assets, and introduction to accounting for corporations.

ACCOUNTING II

CREDIT: 1

GRADE PLACEMENT: 11, 12 (This class allows juniors & seniors to earn college credit at Waubonsee Community College). Freshman and sophomores could take the class but would not be able to earn the Waubonsee credit.

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 of manufacturing businesses, and partnership accounting.

PRINCIPLES OF MARKETING—Not Offered in 2019-20

CREDIT: 1/2

GRADE PLACEMENT: 11, 12 (This class allows juniors & seniors to earn college credit at Waubonsee Community College). Freshman and sophomores could take the class but would not be able to earn the Waubonsee credit.

SEMESTER: Either

DESCRIPTION: Business free market activities related to the distribution of goods and services are studied with an

emphasis on marketing strategy, the marketing mix, pricing, distribution channels, promotion, product development, consumer behavior and global marketing.

INTRODUCTION TO ENTREPRENEURSHIP-Not offered in 2019-20

CREDIT: 1/2
GRADE PLACEMENT: 11, 12 (This class allows juniors & seniors to earn college credit at Waubonsee Community College). Freshman and sophomores could take the class but would not be able to earn the Waubonsee credit.
SEMESTER: Either
DESCRIPTION: This course exposes students to the entrepreneurial experience and perspective, the role of entrepreneurship and its impact on organizations of all types and society-at-large. Included are case studies of both failed and successful ventures and a look at current economic needs and trends.

COMPUTER APPLICATIONS

CREDIT: 1/2
REQUIRED: None
GRADE PLACEMENT: 9, 10, 11, and 12
SEMESTER: Either (Students can take this course more than one time)
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.

INTRODUCTION TO BUSINESS (VALEES #12001A001)

CREDIT: 1/2
GRADE PLACEMENT: 9, 10, 11 and 12
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. Students will do projects of: starting a business, writing a business plan, and creating a product. This class is good for any student interested in business or looking to learn about basic business.

DESIGNING WEB PAGES FOR BUSINESS

CREDIT: 1/2
GRADE PLACEMENT: 9, 10, 11, and 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. Students will also be learning basic graphic design using Adobe Photoshop (pictures) and Adobe Premiere Elements (video). Students that take this may take it a second time doing projects that may include working on: programming, coding, apps, graphic design, etc.

CONSUMER EDUCATION - REQUIRED COURSE FOR GRADUATION

CREDIT: 1/2
GRADE PLACEMENT: 11, 12 (limited amount of juniors may be allowed to take as space allows)
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 areas: auto body repair, auto technology, certified nurse assistant, computer programming, computer technology (maintenance & repair), construction trades, cosmetology, culinary arts, early childhood education, emergency medical responder, emergency medical technician, fire science, graphic design, health occupations, law enforcement, sports medicine, and welding and fabrication. **Each class meets one 2-1/2 hour time block 5 days per week.**

***See your school counselor for more information regarding the programs that offer articulated and/or dual credit**

AUTO BODY REPAIR

DESCRIPTION: A comprehensive program for collision repair and automotive paint refinishing. It also encompasses safety practices and safety equipment, as well as EPA standards. **First year students** will get a basic knowledge of collision repair, from damage assessment to the final detailing of the vehicle. **Second year students** will continue with the previous year's topics and get advanced training on structural repairs, as well as estimating repairs. All students will have the opportunity to work hands on in a body shop environment that will show them the process of taking a repair from the estimate to the delivery of the vehicle back to its owner. The IVVC body shop strives to provide a professional shop-like atmosphere. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that foster the development of movement skills and enhance health-related fitness. (20116A001 & 002)

WCC Articulation: Auto Body I & II – ABR 115 Basic Auto Body Repair (4 credits)

KCC Articulation: Auto Body I – CRT 111 Intro. to Collision Repair (4 credits) & Auto Body II - CRT 112 Non-Structural Repairs (4 credits)

KCC Dual Credit: Auto Body I – CRT 111 Intro. to Collision Repair (4 credits) & Auto Body II – CRT 112 Non-Structural Repairs (4 credits)

Other Certifications – SP2 (safety certification) and I-CAR

AUTOMOTIVE TECHNOLOGY

DESCRIPTION: Students enrolled in Auto Technology at IVVC will learn how to service and maintain high tech vehicles by way of classroom instruction and lab work. **First year students** will learn the fundamentals of safety, lubrication, tire and wheel servicing, engine design, and automotive braking systems. Approximately 80% of their time is spent in the shop watching demonstrations and repairing live vehicles. **Second year students** move on to diagnostic functions on the car's computer systems, engine theory, and also perform alignments using our state-of-the-art equipment. All students have the opportunity to learn how to provide service writer and parts person functions as the IVVC shop strives to provide a professional shop-like atmosphere. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (20104A001 & 002)

WCC Articulation: Automotive Technology II – AUT 100 Fundamentals of Automotive Technology (2 credits)

KCC Articulation: Automotive Technology I – AMT 110 Automotive Brake Systems & AMT 120 Suspension, Alignment & Brake Systems (8 credits total)

Other Certifications: SP2 (safety certification)

CERTIFIED NURSE ASSISTANT

DESCRIPTION: **Prerequisite: Good attendance record and transportation to clinical site.** This course follows the guidelines of the Illinois Department of Public Health to achieve a certificate as a Certified Nurse Assistant. Forty hours

of hands-on clinical time is required. A fingerprint criminal background check is also required. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success. Students must be able to do heavy lifting, pushing and pulling. (14051A001)

WCC Articulation: NAS 101 Basic Nurse Assistant Training (7 credits)

KCC Dual Credit: NUR 100 Basic Nurse Assistant Training (7 credits)

Other Certification: Nursing Assistant; CPR – Health Care Provider Card

COMPUTER PROGRAMMING

DESCRIPTION: Strongly Recommended: A solid foundation of basic math skills, including geometry. Computer Programming is a bottom to top course in the software development process. Students begin with programming fundamentals and evolve into deconstructing complex real-world programming problems. Students learn using C++ in a multitude of computer science fields such as: program design, gaming design, and micro-controllers. We will use world class development tools such as QT and the Unreal Engine to bring student's thoughts to life. Consistent focus in this course will result in a stronger logic/object-oriented mindset that will foster greater mathematical and scientific understanding in other subjects or areas of life. (10152A001) *No prior courses are required to attend Computer Programming, but a strong foundation in math or related field is **strongly recommended**.

COMPUTER TECHNOLOGY (MAINTENANCE & REPAIR)

DESCRIPTION: 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 are also a part of the course. Students will explore wired and wireless networks. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. **Computer Technology II** builds on the skills taught in Computer Technology I. Students will work on advanced projects using those skills, as well as serve as help desk support for the school. Internships may be available for eligible students. (10252A001 & 002)

WCC Articulation: Computer Technology – CIS 105 Introduction to Windows (1 credit)

Other Certification: A+ Certification (optional)

CONSTRUCTION TRADES

DESCRIPTION: Construction Trades prepares the student for a variety of employment pathways within residential and commercial construction. Students will explore occupational and applied mathematical skills in the areas of survey, architecture, CAD, blueprint reading, concrete form, volume and geometric design, and rough and trim carpentry including roof systems, roofing and siding, masonry, plumbing, electrical, insulation, drywall, painting, landscaping, material estimation and project bidding. This program offers both classroom and hands-on experience with OSHA 10 Certification. The student will participate in the construction of numerous projects in order to meet the course competencies as well as prepare him/her with employable skills. The student will also be prepared for advanced placement standing at the local community college or in a local approved program of apprenticeship training. Enrolled students will be expected to engage in routine physical activities in both outdoor and classroom environments. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that foster the development of a movement skills and enhance health-related fitness. (17002A001 & 002)

Other Certification: OSHA-10 (safety certification)

COSMETOLOGY

DESCRIPTION: This is a 1,500 hour program contracted through Hair Professionals Career College, offered at their Oswego or Sycamore site or Debutantes School of Cosmetology & Nail Technology in DeKalb. Completers will have earned up to 1,000 hours towards the state licensing requirements for cosmetologists during the two year program. (19101A001 & 002)

CULINARY ARTS

DESCRIPTION: The IVVC Culinary Arts program offers students a hands-on experience of the restaurant industry. They will learn how to operate a catering and quick service restaurant business. Developing strong knife skills, organizational techniques, sanitation fundamentals and understanding the flavor profiles of ingredients are core principles of the course. Students will gain real world expertise to help them meet the demands of the modern restaurant industry. Course expectations will require the use of basic math skills along with developing public speaking and presentation techniques. Labs will require the ability to work well with others in a fast paced kitchen environment. Students enrolled in Culinary Arts will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (16052A001 & 16055A001)

JJC Articulation – Culinary Arts II – HOSP 120 Exploring the Hospitality Industry (3 credits)
Other Certifications: ServSafe Sanitation License (required), ProStart Certification (optional)

EARLY CHILDHOOD EDUCATION

Do you enjoy working with children? The Early Childhood Education program offers students excellent opportunities to work with 3, 4 and 5-year old children. This class offers hands-on experiences teaching children in our preschool lab setting. All students experience planning and teaching activities in the areas of art, science, language, math and Pre-K skills geared to the development of the preschool age child. **Second year students** have internship opportunities in local pre-elementary, and junior high schools available to them. This course also utilizes the **Gateways to Opportunity** program, which gives the students the opportunity to earn an **ECE Credential Level 1 Certificate**. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (19054A001 & 19055A001)

WCC Articulation: Early Childhood I – ECE 102 Career Explorations in Early Childhood (3 credits)
Early Childhood II – ECE 101 Introduction to Early Childhood Education (3 credits)
KCC Articulation- Early Childhood I & II – ECE 110 Foundations of Early Childhood Education (3 credits)
Other Certification: Gateways to Opportunity Level 1 ECE Credential: CPR Heartsaver Card

EMERGENCY MEDICAL RESPONDER

DESCRIPTION: Learn to provide immediate care to an ill or injured person and to assist emergency medical service (EMS) providers. Completion of this class will provide a strong background useful in lifeguard positions, fire services, sports medicine, medical facilities and in preparation for the EMT-B course. This course incorporates a public safety academy style. The student's daily routine includes proper uniform, equipment checks, station cleaning and ambulance checks. Students will participate in classroom lecture, demonstrations, and hands-on practice of individual skills. Course topics include: legal and ethical issues, anatomy and physiology, lifting and moving patients, establishing an airway, patient assessment, emergency response for the sick and injured, childbirth, EMS operations, employment literacy, personal skills related to employment, interpersonal skills and group dynamics, thinking and problem solving skills and communication skills. Students will also develop their leadership skills through project management. Students can also complete an externship with a local fire department including ambulance ride time. (14002A003)

Other Certifications: FEMA NIMS (National Incident Management System) 100: Introduction to the Incident Command System; FEMA NIMS 700: National Incident Management System, An Introduction, CPR-Health Care Provider card

EMERGENCY MEDICAL TECHNICIAN-EMT BASIC

DESCRIPTION: This **senior only** course covers emergency medical response and care for the sick and injured. Topics include medical terminology, legal and ethical aspects of emergency medicine, CPR, patient assessment and care of medical and trauma patients. Students also learn communication and documentation skills and have the opportunity to learn and demonstrate emergency management and incident command skills. This course includes a clinical component to be completed in area hospitals, as well as the opportunity to do ambulance ride-along time with local fire departments. Upon successful completion of the EMT Basic course and 18 yrs of age, students are eligible to take the IL State licensure exam or the National Registry of EMT certification exam. Students are expected to participate in routine activities on a

daily basis that involve physical movement and enhance health-related fitness. This course gives the students the skills and knowledge foundation for successful entry into emergency medical services. (14055A001)

WCC Articulation: EMT 120-Emergency Medical Technician-Basic (9 credits)

Other Certifications: FEMA NIMS (National Incident Management System) 100: Introduction to the Incident Command System; FEMA NIMS 700: National Incident Management System, An Introduction, FEMA NIMS 200 ICS (Incident Command System) for Single Resources and Initial Action Incidents, FEMA NIMS 800 National Response Framework, An Introduction, FEMA NIMS IS 5 An Introduction to Hazardous Materials; CPR – Health Care Provider card

FIRE SCIENCE

DESCRIPTION: First year students—Basic Operations Firefighter-This course is a study of techniques used in fire fighting. This course covers the subjects required by the Office of the State Fire Marshall for certification at the Basic Operations Firefighter level. This course also incorporates a fire department atmosphere into the training. The student's daily routine includes proper uniform, apparatus and PPE checks and station cleaning. Students will take part in classroom lectures, demonstrations, hands-on practice on individual skills, training responses that incorporate these individual skills into fire ground evolutions through the use of various props and structures. Students will also complete a project on Pride, Honor and Tradition or complete a Line of Duty Death project. This program emphasizes the knowledge, individual skills and teamwork skills necessary for entry level personnel to become functioning members of a fire company. This program also covers Technical Rescue Awareness, Fire Service Vehicle Operator, Hazardous Materials Awareness, National Incident Management System and Courage to be Safe.

DESCRIPTION: Second year students-Students will complete Rope Operations, which introduces the skills necessary to safely and efficiently resolve situations that require the use of rope and rope equipment at an operations level incident. Students will also complete the Vehicle Machinery Operations class. VMO teaches students how to deal with various auto accident incidents. Extensive hands-on tool time is given to the students to work with various tools and techniques to perform auto extrication. During the spring portion of the class, Hazardous Materials Operations is completed. This class will give the student the knowledge and skills necessary to function as a Hazardous Materials First Responder. Throughout the year, second year students will assist the first year students during various company evolutions acting as company officers.

Both classes are offered at the Sandwich Fire Station. Indian Valley Vocational Center's Fire Science Technology Class is fully certified by the Illinois Office of the State Fire Marshall (OSFM). Students of this program are eligible to take OSFM certification tests after they have received the appropriate experience or other requirements as stated by the OSFM. Successful completion of FI I and II will allow students to earn a Waubensee Community College Firefighter's Certificate of Completion.

First and second year students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. Students will learn how physical fitness and healthy living affect workplace performance and success. (15152A001 & 002)

WCC Articulation & Dual Credit: Fire Science I – FSC 105 Basic Operations Firefighter Module A (4 credits); FSC 115 Basic Operations Firefighter Module B (4 credits), FSC 118 Basic Operations Firefighter Module C (4credits) and FSC 217 Technical Rescue & Vehicle Operations (1 credit). Fire Science II –FSC 150 Vehicle Machinery Operations (3 credits) and FSC 120 Hazardous Materials Operations (3 credits).

Other Certifications: FII–National Fallen Firefighters “Courage to be Safe” certification; FEMA NIMS (National Incident Management System) 100: Introduction to the Incident Command System; FEMA NIMS 700: National Incident Management System, An Introduction. FI II – CPR – Health Care Provider card; FEMA NIMS 200 ICS (Incident Command System) for Single Resources and Initial Action Incidents. Once a student turns 18 and is on a fire department roster, they can take the Office of the State Fire Marshal exam for state certification.

GRAPHIC DESIGN

DESCRIPTION: Welcome to the world of Graphic Design! Everywhere you look, you see design...and behind every design is someone just like you! Join us as we take a tour through the world of Adobe's top three graphic design programs; Photoshop, Illustrator and InDesign. First year students will not only learn the basics of how these programs work, but also how they work together to create thought provoking and meaningful artwork. Learn how to freeze moments in time during our Photography unit where you will learn how to use digital camera and edit pictures using Adobe Bridge. **Second year students** will put their design skills to the test when they begin working on real-world jobs with clients in our local communities! During this process, they will learn how to properly communicate with the customers directly and the meaning of excellent customer service. In addition, they will look at advertising and marketing and how their knowledge of design can help a company get started or help an existing company grow. As a part of our design team, all students will be able to participate in our ongoing IVVC Graphics store, designing and manufacturing custom garments!

Students interested in Graphic Design should be comfortable on a computer and work well independently. This class is mostly "hands-on." A good imagination combined with skills learned in this study will present endless opportunities in this field! Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (11154A001 & 002)

WCC Articulation: Graphic Design I or II – GRD 160 Computer Illustration (3 credits). Graphic Design II – GRD 170 Digital Image (3 credits)

HEALTH OCCUPATIONS

DESCRIPTION: Do you want a career in the medical field? Do you want to learn more about what careers are available? This course is for junior and senior students who are interested in exploring medical careers in an applied life science skill format. Students have the option of earning dual credit through WCC for COM 125 (Communication Strategies for Health Careers). The curriculum provides hands-on learning opportunities involving body systems and medical careers. Students will learn basic medical procedures associated with the health profession, including performing vital signs, injections and blood draws on a training arm. Students will also be able to job shadow at local medical facilities to see what a career in the medical field really entails. The students will learn CPR, along with basic first aid training. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success. (14002A002)

WCC Articulation: HIT 105 Medical Terms for Health Occupations (1 credit)

WCC Dual Credit: COM 125 Communication Strategies for Health Careers (2 credits)

Other Certifications: CPR – Heartsaver card

LAW ENFORCEMENT I

DESCRIPTION: This course follows the State of Illinois Basic Police Training curriculum along with several college level texts. We briefly discuss the criminal justice system, but spend 90% of the time on the law enforcement aspect. Instruction will include questioning procedures, legal rights, examination of routine police procedures, criminal investigation, arrests and report writing. Students will have the opportunity to meet professionals in the field, participate in simulated scenarios, demonstrations, and tour pertinent law enforcement sites. Students will be required to write several papers, present projects, work in groups, read novels and complete basic reading and arithmetic.

Police officers are put in harm's way every day and this class takes physical conditioning and personal defense seriously. You will be given instruction in krav maga, judo, karate, combat ju jitsu and a multitude of conditioning days. You will be introduced and shown how to successfully pass the mandatory physical fitness test that every police officer takes.

Our scenarios are hands-on utilizing, in some scenarios, airsoft. Since there is always a risk of injury, our program has very strict rules in regards to the application of the training tools, and we require a detailed procedure for allowing students

to participate. One element is they may have to pass a drug screen. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. **(Recommended: Successful completion of Speech & Keyboarding, B average or higher in English.)**

LAW ENFORCEMENT II

DESCRIPTION: This course is designed for the students who are serious about their pursuit of law enforcement careers. The students will take a leadership role with the first year students and assist in training. They will also be eligible to ride-along with various police agencies. This may require students to pass a background check and drug screen. The students will also study criminal investigations and be able to fully investigate a crime by the end of the second year. Second year students are expected to have a good attendance record and have a grade above 75% as a first year. (15051A003 & 004) **(Recommended: Successful completion of Speech & Keyboarding, B average or higher in English.)**

WCC Articulation: Law Enforcement I – CRJ 105 Patrol Operations (3 credits)

WCC Dual Credit: Law Enforcement I – CRJ 102 Criminal Justice Career Exploration (2 credits)

SPORTS MEDICINE

DESCRIPTION: **Recommended: C or higher in Biology I, genuine interest in Science.** This course introduces students to professions in the Sports Medicine field, including Athletic Training, Physical Therapy, Personal Training, Coaching, Massage Therapy and the Fitness/Wellness industry. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect performance and success. (14062A001)

SPORTS MEDICINE I

DESCRIPTION: Focuses on the anatomy of the skeletal, muscular and nervous systems; injuries to those structures, injury assessment practices, basic treatment and rehabilitation protocols, concussion recognition and management, as well as taping, bracing, and splinting techniques. First year students are introduced to the basics of personal training, including client assessment, basic exercise program design and introductory level exercise physiology. First year students are **required** to perform 15 hours of professional job shadowing outside of regular class time.

SPORTS MEDICINE II

DESCRIPTION: Students who have expressed a desire to continue their education in the Sports Medicine field after high school, and who have met all prerequisites have the opportunity to participate in IVVC's Sports Medicine internship program. Intern students spend two or three days/week at a professional site performing observation, and to some extent, participating in various tasks. Second year students assist the instructor with first year students, as well as manage class work with their internship schedule. Second year students wishing to intern must have excellent attendance and an A or B in Sports Medicine I. Intern students are required to furnish their own transportation to their job site.

WCC Dual Credit: Sports Medicine I – PED 150 Basic Prevention & Care of Athletic Injuries (3 credits)

Other Certifications: Heartsaver card, ACSM Certification (optional for 2nd year students)

WELDING & FABRICATION

DESCRIPTION: This course is designed for students who are ready to challenge themselves and become the welders and metal fabricators of tomorrow. Various welding and cutting processes are taught throughout the year and students will demonstrate these skills through hands-on activities in the shop. Production strategies and lean manufacturing skills are demonstrated, giving the students a taste of the real-world and what makes a successful business. **First year students** are challenged in flat and horizontal welding positions while **second year students** learn how to weld in the vertical and overhead positions. Career Skills, which emphasizes their professional conduct, is a significant portion of the student's grade. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (13207A001 & 002)

WCC Articulation: Welding & Fabrication I & II – WLD 115 Oxy-Fuel Welding & Cutting (3 credits) and WLD 120 Shielded Metal Arc Welding I (3 credits)
Other Certification: OSHA-10 (safety certification)

AGRICULTURE (Classes are taken at Somonauk High School)

INTRODUCTION TO AGRICULTURE AND LEADERSHIP (VALEES #18001A001)

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

DESCRIPTION: This orientation course provides an opportunity for students to learn the fundamentals of the agriculture industry. Students will learn how agriculture is more than farming; and can expect to learn industry facts, parliamentary procedure, speech skills, animal, plant and food science, basic mechanics skills, business and recordkeeping skills, and FFA. 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: None

AGRICULTURAL LEADERSHIP AND COMMUNICATIONS (VALEES #18203A002A)

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

DESCRIPTION: This course is designed to provide students with the knowledge and leadership experiences to help them to become successful in life and in the workplace. Students will analyze current agricultural issues and determine how they affect people on all sides of the issue. The students then learn and enhance their written and oral communication skills by presenting their views and opinions to the class. Students learn how to arrange and present debates, speeches, and interviews to be effective leaders in today's society. Students will further enhance their potential for leadership development, personal growth, and career success. 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 and Leadership or consent of the instructor**

BASIC AG SCIENCE (VALEES #18003A001)

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

DESCRIPTION: This course is to further develop the students understanding of basic agriculture science concepts. The students will learn about traditional agriculture concepts, including crop production, animal production, basic mechanic skills, and the scientific methods found in modern agriculture.

PREREQUISITE: Introduction to Agriculture and Leadership

ANIMAL AND PLANT SCIENCE (VALEES #18051A002B)

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

DESCRIPTION: This orientation agriculture science course builds on basic skills and knowledge gained in the Introduction to the Agricultural & Leadership course. Major units of instruction include agricultural research, soil science, plant nutrition, agronomic crops, advanced plant science, biotechnology, animal reproduction, animal nutrition, basic anatomy & physiology, meat science. 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 and Leadership or consent of the instructor**

BASIC AG MECHANICS (VALEES #18401A001)

CREDIT: 1
GRADE PLACEMENT: 10, 11, 12
SEMESTER: Full Year
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.
PREREQUISITE: Agricultural Leadership and Communications

AGRICULTURE CONSTRUCTION (VALEES #18403A001)

CREDIT: 1
GRADE PLACEMENT: 11, 12
SEMESTER: Extending to year from semester (Offered Fall EVEN Years: 2018-19)
DESCRIPTION: This advanced course focuses on the knowledge, hands-on skills, and work place skills applicable to construction in the agricultural industry. Major units of instruction include: personal safety, hand tools, power tools, blue print reading, surveying, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall and painting.
PREREQUISITE: Introduction to Agriculture and Leadership

AGRICULTURAL BUSINESS MANAGEMENT (VALEES #18201A001)

CREDIT: 1/2
GRADE PLACEMENT: 11, 12
SEMESTER: Either (Offered Fall ODD Years: 2019-20)
DESCRIPTION: This course will provide students with the basic knowledge and skills necessary to manage personal finances and develop into a successful entrepreneur and/or businessperson. Instructional units include: business ownership types, starting an agribusiness, managing and operating an agribusiness, financing an agribusiness, managing personal finances, record keeping and financial management of an agribusiness, local, state, and federal taxes, sales and marketing, economic principles, and developing employability skills. 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: Agricultural Leadership and Communications

AG MECHANICS & FABRICATION (VALEES #18402A001)

CREDIT: 1
GRADE PLACEMENT: 11, 12
SEMESTER: Full Year (Offered Fall ODD Years: 2019-20)
DESCRIPTION: This course will emphasize the development of basic welding and metalworking skills necessary to succeed in agricultural careers in the agricultural metal fabrication industry. Topics of instruction include: metal identification and properties, metal preparation, use of oxy-acetylene torch, plasma cutting and cutting operations, arc welding, MIG welding, TIG welding, and project design and construction.
PREREQUISITE: Introduction to Agriculture and Leadership, Basic Ag Mechanics

FOOD SCIENCE (VALEES #18305A001)

CREDIT: 1
GRADE PLACEMENT: 10, 11, 12
SEMESTER: Full Year
DESCRIPTION: This course will explore the science of food, food safety, production and processing, food science in your future. Students will explore the importance of the food industry in our society in an inquiry based, laboratory course.

PREREQUISITE: Introduction to Agriculture and Leadership

VETERINARY SCIENCE (VALEES #18105A001)

CREDIT: 1
GRADE PLACEMENT: 11, 12
SEMESTER: Full Year (Offered Fall ODD Years: 2019-20)
DESCRIPTION: This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, advanced animal nutrition and reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. 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, Animal and Plant Science

NATURAL RESOURCES & ENVIRONMENTAL SCIENCE (VALEES #18504A001)

CREDIT: 1/2
GRADE PLACEMENT: 10, 11, 12
SEMESTER: Either (Offered Fall ODD Years: 2019-20)
DESCRIPTION: This course will explore the many topics within our natural resources, including forestry, fisheries, soil conservations, sustainability, and geospatial technology. This course is laboratory based and rooted in inquiry based learning.

PREREQUISITE: Introduction to Agriculture

URBAN AGRICULTURE (VALEES #18249A000)

CREDIT: 1/2
GRADE PLACEMENT: 10, 11, 12
SEMESTER: Either (Offered Fall EVEN Years: 2018-19)
DESCRIPTION: Urban Agriculture introduces students to the concepts of sustainability and self-sufficiency in agriculture. Topics to be covered include gardening methods for small areas such as container gardening and square foot gardening as well as a comprehensive understanding of animal husbandry, including care and legality of keeping livestock in an urban setting. Specifically, students will focus on raising chickens, rabbits, and bees. Students will learn about methods of extending the growing season through the use of cold frames and high tunnels as well as processing food through canning, pickling, drying, fermenting, and freezing. **PREREQUISITE: Introduction to Agriculture**

GLOBAL AGRICULTURE (VALEES #18204A000)

CREDIT: 1/2
GRADE PLACEMENT: 10, 11, 12
SEMESTER: Either (Offered Fall EVEN Years: 2018-19)
DESCRIPTION: This advanced course will focus students on the impact of the global economy. Students enrolled in this course will study various countries and their impact on the agriculture industry. In addition, students will travel abroad during spring break in this course. (Student fee is required for this trip; funding is available through FFA scholarships)

PREREQUISITE: Introduction to Agriculture

HORTICULTURE (VALEES #18052A001B)

CREDIT: 1
GRADE PLACEMENT: 10, 11, 12
SEMESTER: Either (Offered Fall EVEN Years: 2018-19)
DESCRIPTION: This advanced course will focus on the horticulture industry and careers associated with it. Students can expect to participate in floral design, landscape design, ornamental crop production, vegetable and fruit production. Students will learn many concepts associated with the care and maintenance of the plant industry.

PREREQUISITE: Introduction to Agriculture