

**FARMINGTON CENTRAL HIGH SCHOOL
PLANNING GUIDE
&
COURSE DESCRIPTIONS
2020 - 2021**



INTRODUCTION

The school community at Farmington Central High School strives to promote the development and growth of all students. Our goal is to graduate students who possess the skills and critical thinking capabilities that are necessary for success in college, post-secondary career opportunities, and social adult living.

Success and productivity are a result of planning and action. This handbook provides the student the information and opportunity to be productive in his/her choice of curriculum offered at Farmington Central. By using this handbook as a reference, the student will be able to intelligently select courses of interest that 1) meet State of Illinois and Farmington Central District #265 graduation requirements, 2) academically challenge the student, and 3) offer the skills that college and the workplace demand

This handbook is only a summary of Board approved high school courses and programs and may be changed during the year without notice. The handbook cannot possibly cover all scenarios that may arise regarding your academic and co-curricular planning, and it is not intended to limit administrators' authority to address academic and co-curricular matters not identified in the handbook. Therefore, the intent of this handbook is to serve as an academic planning guide for students that may be changed if the administration deems it necessary.

MISSION STATEMENT

The Farmington Central School District: “Preparing Locally, Expanding Globally, To Build a Stronger Community” ... Working with families to fully develop every child’s ability to be a life-long learner and contributing member of society.

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GRADUATION & COLLEGE ADMISSION REQUIREMENTS

Farmington Central High School Requirements:
A Total of 22.5 Credits Are Required for Graduation

Graduation Requirements for Students in Grades 10-12:

ENGLISH: (8 semesters, 4 credits)

MATHEMATICS: (6 semesters, 3 credits)

SCIENCE: (4 semesters, 2 credits)

SOCIAL STUDIES: (4 semesters, 2 credits)

US History – (2 semesters, 1 credit)

US Government – (1 semester, .5 credit)

1 Social Studies Elective class – (1 semester, .5 credit)

SPEECH/COMMUNICATION: (1 semester, .5 credit)

CONSUMER EDUCATION: (1 quarter, .25 credit)

FINE ARTS, FOREIGN LANGUAGE, OR CTE: (2 semesters, 1 credit)

HEALTH: (1 semester, .5 credit)

DRIVER EDUCATION: (1 quarter, .25 credit)

PHYSICAL EDUCATION: (8 semesters, 2 credits - .25 credit per semester)

Graduation Requirements Effective 2020-2021 School Year for Incoming Freshmen:

ENGLISH: (8 semesters, 4 credits)

MATHEMATICS: (6 semesters, 3 credits)

SCIENCE: (4 semesters, 2 credits)

SOCIAL STUDIES: (4 semesters, 2 credits)

US History – (2 semesters, 1 credit)

US Government – (1 semester, .5 credit)

1 Social Studies Elective class – (1 semester, .5 credit)

CONSUMER EDUCATION: (1 quarter, .25 credit)**

FINE ARTS, FOREIGN LANGUAGE, OR CTE: (2 semesters, 1 credit)

HEALTH: (1 semester, .5 credit)

DRIVER EDUCATION: (1 quarter, .25 credit)

PHYSICAL EDUCATION: (8 semesters, 2 credits - .25 credit per semester)

When these requirements are completed students will have 15 (or 16 for Grades 10-12) credits. The remaining 7.5 (or 6.5 for Grades 10-12) credits can be met with electives of your choice.

***** Starting in the 2020-21 academic year, any student taking Driver's Education will take Consumer Education in the opposite Quarter (each class is .25 credit). Students who have already completed their Driver's Ed requirement will still need to take an alternative Consumer Education course (Introduction to Business or Economics) to satisfy this graduation requirement.***

The Illinois Board of Higher Education recommends that certain high school credits be earned for college admission. Counselors urge and recommend that students and their parents become aware of these requirements; it will afford the student the utmost consideration by a college for admission purposes if the student has met all of these guidelines:

English: 4 years (emphasizing written and oral communications and literature)

Social Studies: 3 years (emphasizing history and civics)

Mathematics: 3 years (introductory through advanced algebra, geometry, trigonometry, or calculus)

Science: 3 years (laboratory sciences)

Foreign Language, Music, Art or Vocational Education: 2 years

Each college has its own admission or program requirements. Therefore, it is imperative that students check the specific entrance requirements of the school of their choice.

GUIDANCE DEPARTMENT

The Guidance Department is comprised of our School Guidance Counselor, an administrative assistant, and a teacher representative. The team works with students and staff to address the three domains of school counseling: *Academic, Social/Emotional, and Post Secondary/Career Development.*

Services Available to Students Include:

- Social / Emotional Support Services
- Academic Support
- Resource Referrals / Community Counseling Resources
- Test Prep
- Financial Aid
- Academic Advisement/Four Year planning/Scheduling
- Post Secondary Planning: Career Exploration and Planning
- Coordination/Interpretation of Testing
- Assistance with Procedures for NCAA Eligibility
- Assistance with the College Application Process (Grade 12)
- Letters of Recommendation
- Transcript Requests

Special Programs Include:

- Career and Technical Field Trips / Activities
- Hosting College & Military Representatives
- SAT Prep (Grades 9, 10, 11)
- Financial Aid Night (Grade 12)
- Senior Parent College Events
- Awards Night (Grade 12, By Invitation - May)
- Area College Trips (Grade 11 - Spring)

TESTING SCHEDULE*

Grade 9 - PSAT 8/9: Spring

Grade 10 - PSAT 10: Spring

Grade 11 - PSAT-NMSQT: Fall (Optional - Cost covered by student)

Grade 11 - SAT (School Day): Spring

ACT National Test Dates/ Registration: www.act.org

SAT National Test Dates/ Registration: www.collegeboard.org

* Testing schedule may vary depending on ISBE approved testing & policies/procedures

4-YEAR PLAN

GRADUATION REQUIREMENTS
(22.5 CREDITS MUST BE EARNED)

- 4 years of English
- 3 years of Math
- 2 years of Science
- 2 years Social Studies
 - 1 semester of Government
 - 1 year of US History
- 1 semester of Business Education
- 1 semester of Driver’s Education
- 1 year of Fine Arts (Music, Art, Foreign Language, or Career and Technical Education)
- 1 semester of Health
- 4 years of Physical Education

COLLEGE BOUND CURRICULUM: The Illinois Board of Higher Education recommends that students who plan to enter a state supported college or university successfully complete the following high school subject pattern:

- 4 years of English
- 3 years of Mathematics (beginning with Alg I)
- 3 years of Science
- 3 years of Social Studies
- 2 years of same Foreign Language (recommended), Fine Arts, or Vocational Education

Occupational Goal:

Postsecondary Education/Training needed:

YEAR	1	2	3	4	5	6	7	Credits Total Credits
Freshman	English I	Math	Science	P.E.	D. Ed & Health			
Sophomore	English II	Math	Science	P.E.				
Junior	English III	Math	U.S. History	P.E.				
Senior	English IV	P.E.	Gov					

4 YEAR RECOMMENDED COURSE WORK

Student:

Post-Secondary Education/Training Plans:

Occupational Interest:

Recommended Course Work

Grade 9

English

Math

Science

Social Studies

Physical Education

Driver's Education/Health/Consumer Ed

Fine Arts

Elective

Grade 11

English

Math

Science

U.S. History

Government

Physical Education

Fine Arts

Elective

Grade 10

English

Math

Science

Social Studies

Physical Education

Fine Arts

Elective

Elective

Grade 12

English

Physical Education

Science (Suggested)

Elective (Math Recommended)

Elective

Elective

Elective

Electiv

CLUBS, ORGANIZATIONS & ATHLETICS

Farmington Central High School students are encouraged to actively participate in one or more of the school sponsored activities. Activity participation enables the student to gain experience in social activities, develop leadership qualities, and pursue leisure-time interests (and to develop new interests), enlarge his/her friendships, learn the art and policy of government, and have fun.

Clubs & Organizations Include:

- Student Council
- National Honor Society
- Harvest Team
- National FFA Organization
- Key Club
- Colorguard / Winterguard
- Scholastic Bowl
- Drama Club
- Bass Fishing
- Game Club
- Book Club
- Art Club
- Speech Team
- Spanish Club

Athletics Include:

- Football
- Basketball
- Volleyball
- Softball
- Cross Country
- Baseball
- Cheerleading
- Golf
- Track
- Basketball
- Dance
- Wrestling
- Speech Team

NCAA ELIGIBILITY

NCAA Clearinghouse Approved Courses

Farmington Central athletes who plan to continue athletic competition at the collegiate level must meet certain minimum eligibility requirements set forth by the NCAA. One of those requirements is a high school “core” curriculum in English, Mathematics, Science, and Social Science. (For specific criteria requirements, please contact your counselor.) In planning your yearly schedule, it is extremely important for athletes to select courses that have been approved by the NCAA in order to meet their standards. The following courses offered at Farmington Central High School have been approved by the NCAA Clearinghouse as meeting their “core” requirements. (Courses are added on an ongoing basis; check with your counselor for recent additions to the list or log on to www.naaclearinghouse.net or www.eligibilitycenter.org.)

ENGLISH

English I
English II
English III
English IV
Speech/Communications

MATHEMATICS

Algebra I
Algebra II
Geometry
Pre-Calculus
Calculus
Probability & Statistics

NATURAL/PHYSICAL SCIENCE

Biology (Lab)
Chemistry (Lab)
Advanced Chemistry (Lab)
Anatomy (Lab)
Physics (Lab)

SOCIAL SCIENCE

US History
World History I
World History II
Psychology
US Government
World Geography
Revolution to Rebellion

ADDITIONAL CORE COURSES

Spanish I
Spanish II
Spanish III
Spanish IV

Note: Courses are reviewed on an ongoing basis for approved course status. Always check their website for the most up to date information.

Note: Courses are reviewed by NCAA on an ongoing basis for approved course status. Always check their website for the most up to date information.

GRADES

The final grade for a semester is determined by assigning equal weight for each quarter plus a designated percentage of the semester final exam. The semester grade is the only grade that is recorded on the student's transcript. A student must pass a course in order to receive credit. An explanation of the letters are as follows:

- A - Superior (92%-100%)
- B - Above Average (83%- 91%)
- C - Average (74%-82%)
- D - Below Average (65%-73%)
- F - Poor (0%-64%)

GRADE POINT AVERAGE (GPA)

To calculate a student's GPA, assign the following points to grades received:

<u>GPA</u>	<u>WEIGHTED GRADES</u>
A = 4 points	A = 5 points
B = 3 points	B = 4 points
C = 2 points	C = 3 points
D = 1 point	D = 2 points
F = 0 points	

Total the points and divide by the number of grades received. This number is the GPA for the student.

WEIGHTED CLASSES

- 1114 College English 1** (Dual Credit class with Carl Sandburg)
Prerequisite: English 1, 2, and 3
- 1115 College English 2** (Dual Credit class with Carl Sandburg)
Prerequisite: College English 1 with a Grade of C or better
- 1102 Enriched English I**
Prerequisite: "B" in 8th Grade English, above grade lexile score
- 1104 Enriched English II**
Prerequisite: "B" in English I and above grade level lexile score
- 1105 Blended English III**
Prerequisite: "C" or better in English I and English II
- 4106 Diversity in America (Blended)**
- 4111 Psychology**
- 1123 Spanish IV**
Prerequisite: Spanish I, Spanish II, Spanish III with grade "C" or better
- 2106 Pre-Calculus**
Prerequisite: Algebra II
- 2108 Probability & Statistics**
Prerequisite: Algebra II
- 2109 Calculus**
Prerequisite: Pre-Calculus with a "C" or better
- 3103 Anatomy & Physiology**
Prerequisite: Biology
- 3107 Advanced Chemistry**
Prerequisite: Chemistry
- 3108 Physics**
Prerequisite: Physical Science, Math (Algebra II recommended)
- 7114 Economics**
- 7116 Accounting II**
Prerequisite: Accounting I

CREDITS EARNED

Farmington Central High School students are required to enroll in a minimum of (5.5) credits per school year and a minimum of six (6) classes per semester. Exceptions may be granted by the high school principal only when a scheduling conflict exists. Farmington High School students earn credit for courses passed.

On average, a student should have earned:

- 5.5** credits at end of freshman year
- 11** credits at end of sophomore year
- 16.5** credits at end of junior year
- 22.5** credits at end of senior year

CLASS DESIGNATION (FOR TRANSFER STUDENTS)

Students who transfer to Farmington Central High School will be classified as freshman, sophomore, junior or senior status based on the number of credits earned as delineated below.

1 st year student in high school	Freshman
2 nd year student in high school and earned a minimum of 4.5 credits	Sophomore
3 rd year student in high school and earned a minimum of 10 credits	Junior
4 th year student in high school and earned a minimum of 16 credits	Senior

Students that transfer from home schooling may transfer credits only from a state accredited approved curriculum.

CLASS RANK, GPA, GRADUATION HONORS

Farmington High School calculates class ranks and Grade Point Averages on a traditional 4.0 scale and a weighted system. Students are ranked according to GPA; i.e. the person with the highest GPA is #1 in the class. It is important to note that colleges, universities, technical schools, and scholarship programs determine their own criteria for eligibility and use of the appropriate ranking and/or GPA systems. The best/better rank is used for students when applying for post-secondary educational opportunities and for scholarships.

For the graduation honors of valedictorian, salutatorian and top ten, the following criteria must be met:

- 1) Students must complete (at least) the first semester of the twelfth grade at Farmington Central High School.
- 2) Class ranks will be determined on the weighted grading system and will be calculated at the end of the seventh semester.

CREDIT RECOVERY OPTIONS

Farmington Central students who need additional credit due to failed courses may obtain that credit in a number of ways:

- 1) Correspondence Courses
- 2) Schedule overload

Correspondence Courses

The counselor has information on correspondence courses and may help the student select and register for appropriate classes. Students may earn up to four (4) credits that may be applied to graduation credits. Once district office receives an official transcript (from the correspondence school) which indicates credit earned and final grade, these are added to the Farmington Central transcript. The student, parent, principal, and counselor sign a contract detailing these stipulations.

Schedule Overload

To overload a student's schedule, a student may enroll in an early bird course offered in order to attempt to earn 8 credits per year.

ELECTIVE CLASSES

During course registration, students are able to choose elective classes as they fit into their schedule for the upcoming academic year. However, there must be more than 10 students enrolled in the course for it to be offered. Elective courses can be taken out of the master schedule for lack of enrollment in any given year.

SCHEDULE CHANGE POLICY

Students are permitted to make schedule changes only when they are clearly warranted. Since registration for each school year begins in the winter/spring of the preceding year, ample time is provided for careful planning of this program by the parents, the counselor, and the student. **Schedule changes will not be allowed with certain important exceptions permitted when advisable.**

Despite this policy, it is recognized that circumstances exist which do warrant a legitimate change of schedule. These circumstances include the following:

- 1) A change due to a schedule conflict with academic classes.
- 2) A change to a more appropriate course level. Such a change may only be made with written approval of the teacher(s) and principal.
- 3) A change for reasons of health. The approval of the principal is required along with a written statement from the physician.
- 4) A change to allow the student to enroll in academic classes which are required for graduation from high school provided that failure to take such classes will result in the pupil being unable to graduate.
- 5) A change which will allow a student to enroll in academic classes that are required for admission to an institution of higher learning provided that failure to take such classes will result in the pupil being denied admission to the institution of his or her choice. Evidence must be shown to indicate that such a change is necessary.
- 6) A change in dual credit courses taken through an agreed upon post-secondary institution.

DROP/ADD CLASS(ES)

New classes may only be added during the first *five full school days* of a semester.

Students cannot drop a class after *five full school days* without failing the course (a withdrawal/fail will be placed on the student's high school transcript). After the first five full days of a semester, schedule changes can only be made with approval of the principal or a designee.

Students must complete a **Course Change Request Form** (see forms section) with all required signatures in order to change a course during the designated five day period at the start of the semester. Changes will only be honored for one of the above reasons.

COURSE OFFERINGS

KEY: X Grade level course may be taken

* Weighted class

AGRICULTURE

Course	Credit	Recommended Grade			
		9	10	11	12
Intro to Agriculture Industries	1	X	X	X	
Basic Agriculture Science	1	X	X	X	X
Basic Horticultural Science	.5		X	X	X
Basic Agricultural Mechanics	.5	X	X	X	X
Agricultural Mechanics and Technology	.5		X	X	X
Agricultural Business Management	.5			X	X
Natural Resources and Conservation Management	.5		X	X	X
Agricultural Communications and Leadership	.5			X	X
(Advanced) Horticulture Production and Management	.5		X	X	X
Landscape & Turf Management	.5			X	X
Veterinary Technology	.5			X	X
Welding Technology I	.5		X	X	X
Metals I	.5			X	X
Metals II	.5			X	X

BUSINESS

Course	Credit	Recommended Grade			
		9	10	11	12
Accounting I	1		X	X	X
*Accounting II	1			X	X
Business Concepts	.5	X	X	X	X
Software Applications I (Computer Concepts I)	.5	X	X	X	X
Information Processing II (Computer Concepts II)	.5	X	X	X	X
Introduction to Business	.5	X	X	X	X
*Economics	.5			X	X
Cooperative Education	2				X
Business 110 (Dual Credit)	.5			X	X

ENGLISH

Course	Credit	Recommended Grade			
		9	10	11	12
English I	1	X			
*Enriched English I	1	X			
English II	1		X		
*Enriched English II	1		X		
English III	1			X	
*Blended English III	1			X	
English IV	1				X
Speech Communications	.5		X	X	X
*Composition I (Dual Credit)	.5				X
*Composition II (Dual Credit)	.5				X
Novels	.5			X	X
Film Analysis	.5			X	X
Broadcast Journalism	.5			X	X

FAMILY & CONSUMER SCIENCES

Course	Credit	Recommended Grade			
		9	10	11	12
Child Development	.5		X	X	X
Family and Consumer Science	.5	X	X	X	X
Foods and Nutrition	.5	X	X	X	X
Parenting	.5		X	X	X
Human Relationships	.5			X	X
Culinary Arts	.5			X	X
Nutrition 110 (Dual Credit)	.5			X	X

FINE ARTS

Course	Credit	Recommended Grade			
		9	10	11	12
Band	1	X	X	X	X
Band Chorus	1	X	X	X	X
Chorus	1	X	X	X	X
Guitar	.5	X	X	X	X
Color Guard	.25	X	X	X	X
Piano 1	.5	X	X	X	X
Piano 2	.5	X	X	X	X
Music Appreciation (Dual Credit)	.5			X	X
Art I	1	X	X	X	X
Art II	1		X	X	X
Art III	1			X	X
Art IV	1				X
Ceramics	.5		X	X	X
3-D Art	.5		X	X	X
Art 110: Art Appreciation (Dual Credit)	.5			X	X

FOREIGN LANGUAGE

Course	Credit	Recommended Grade			
		9	10	11	12
Spanish I	1	X	X	X	X
Spanish II	1		X	X	X
Spanish III	1			X	X
*Spanish IV	1				X

MATHEMATICS

Course	Credit	Recommended Grade			
		9	10	11	12
Algebra I	1	X	X	X	
Algebra I in Manufacturing Processes	2	X			
Advanced Algebra I	1	X	X	X	
Geometry	1	X	X	X	X
Geometry in Construction	2		X		
Algebra II	1		X	X	X
*Probability & Statistics	1			X	X
*Pre-Calculus	1			X	X
Transitional Math	1				X
*Calculus I	1				X
Math 110: Concepts of Mathematics (Dual Credit)	.5			X	X

PHYSICAL, HEALTH & DRIVER EDUCATION

Course	Credit	Recommended Grade			
		9	10	11	12
Driver Education	.25	X	X	X	X
Health	.5	X	X	X	X
Physical Education	.5	X	X	X	X
Fitness PE	.5	X	X	X	X
Early Bird Physical Education	.5	X	X	X	X
Unified PE	.5	X	X	X	X

SCIENCE

Course	Credit	Recommended Grade			
		9	10	11	12
Physical Science	1	X	X	X	X
Biology	1	X	X	X	X
*Anatomy and Physiology	1		X	X	X
Chemistry	1		X	X	X
*Advanced Chemistry	1			X	X
HLTH 121: Medical Terminology (Dual Credit)	.5				X
*Physics	1			X	X
Earth Science	1	X	X	X	X
Environmental Science	1		X	X	X

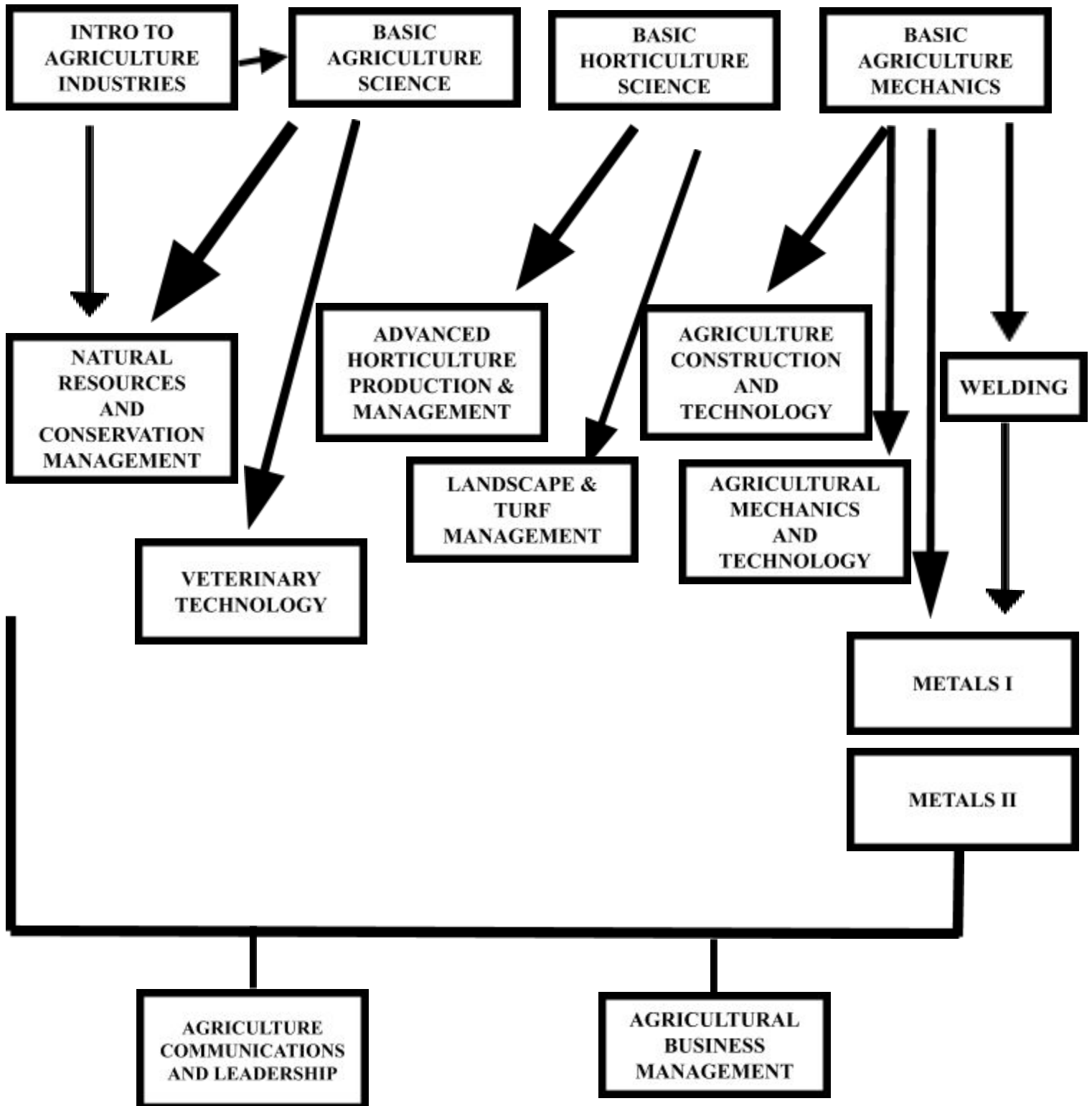
SOCIAL STUDIES

Course	Credit	Recommended Grade			
		9	10	11	12
U.S. History I (Semester 1)	.5			X	
U.S. History II (Semester 2)	.5			X	
American Government	.5		X	X	X
*Blended US History	1			X	
World Geography	.5	X	X	X	X
Revolution to Rebellion	.5	X	X	X	X
*Diversity in America (Blended)	1			X	X
World History I	.5	X	X	X	X
World History II	.5	X	X	X	X
*Psychology	.5			X	X
College Sociology (Dual Credit)	.5			X	X
College Psychology (Dual Credit)	.5			X	X

WORK-BASED LEARNING (WBL)

Course	Credit	Recommended Grade			
		9	10	11	12
Certified Nurse Assistant (CNA)	1.5				X
Construction	1.5				X

AGRICULTURE COURSE FLOW CHART



AGRICULTURE COURSES

6101 Intro to Agriculture Industries

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: All

Course Aim: This course enables you to experience all fields of agricultural science and natural resources and you will develop foundational skills leading you to a rewarding career in agricultural science.

Course Description: Introduction to Agriculture, Food, and Natural Resources (AFNR) introduces students to agricultural opportunities and the pathways of study in agriculture. Science, mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course throughout the CASE curriculum. Throughout the course are activities to develop and improve employability skills of students through practical applications. Students explore career and post-secondary opportunities in each area of the course. Students participating in the *Introduction to Agriculture, Food, and Natural Resources* course experience hands-on activities, projects, and problems. Student experiences involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. Students investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. 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.

6102 Basic Agriculture Science

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester). Fulfills the Physical Science requirement.

Open to: 9th (with Instructor Approval), 10th, 11th, 12th

Course Aim: This course builds on basic skills and knowledge gained in the Introduction to the Agricultural Industry course, specifically stressing research, soil science, plant science, biotechnology, and advanced animal science.

Course Description: Major units of instruction include agricultural research, soil science, advanced plant science, biotechnology, advanced animal science. The students spend much of their time in study of advanced livestock management and feeding as well as the many aspects of crop production. The various types of nutrients in feed are explained as well as developing balanced rations for all different types of livestock. In the area of crops, soils, fertilizers and herbicides are explained to determine the best approved practices that may be applied to each crop. Selecting, purchasing, planting, harvesting, and marketing are all discussed in connection with corn. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

6205 Basic Horticulture Science

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: 10th, 11th, 12th

Course Aim: This course is designed to introduce students to the horticulture industry and provide them with basic plant science knowledge that can be further developed in advanced horticulture courses.

Course Description: Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, identifying horticultural plants, and growing greenhouse crops. Emphasis will be placed on the propagating of plants, transplanting, cuttings, grafting, growing of garden crops, bulbs, plants and flowers. Included will be experience in potting plants with proper soil medias, fertilizing and watering. Improving computer and workplace skills will be a focus. Students will assist in selecting plants to be grown in the greenhouse. 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.

6225 Basic Agricultural Mechanics

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: 9th (with Instructor Approval), 10th, 11th and 12th

Course Aim: This course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agricultural mechanics.

Course Description: Instructional areas include the basic fundamentals of maintaining and repairing small gasoline engines, basic electricity, welding, construction, plumbing, and operating agricultural equipment safely. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

6104 Agricultural Mechanics and Technology

Prerequisite: Intro to Agriculture Industries or Basic Agricultural Mechanics, or Approval from Instructor

Length of Course: 1 semester

Credit Granted: .5

Open to: 10th, 11th and 12th

Course Aim: This course is designed to provide skills, knowledge, and experience in the field of small engine repair and overhaul while also preparing students to apply technical knowledge and skills in the electrical field.

Course Description: Engines will be covered with work in specific areas of compression, ignition, combustion, maintenance, adjustment and overhauling during one quarter. Electricity will be covered for another quarter to prepare students to apply technical knowledge and skills to install indoor and outdoor residential, commercial, and associated power transmission lines. The program includes instruction in electricity, safety procedures, wiring, insulation and grounding, schematic blueprint interpretation, and applicable codes and standards. The course is designed as a preliminary course to learn the basics of engines for those students who attend Junior College automobile or tractor technology programs as well as those students who desire a good working knowledge of the engines they may have at home. This course will be beneficial to those who are considering a career in the electrical trade.

6116 Metals I

Prerequisite: None

Length of course: 1 semester

Credit Granted: .5

Open to: 11th, 12th

Course Aim: Students will learn safety procedures, design, use of correct tools and machines, metalworking processes and techniques, and critical thinking skills.

Course Description: This is an introductory course for students to explore the basic characteristics of metals and a variety of metal working techniques and processes used in metal fabrication such as Welding, Brazing, Lathe Work, Milling Machine, Steel Fabrication, Sheet Metal Layout, CNC Milling, and CNC Lathe Operating. Through the project method, students will learn project planning and design. Emphasis is placed on the skills developed in the transformation of an abstract idea into a tangible object. The processes involved and the critical thinking skills involved are applicable to other areas of life. As always, with any Tech Ed course there is a consistent focus on safety.

6117 Metals II

Prerequisite: Metals I

Length of course: 1 semester

Credit Granted: .5

Open to: 11th, 12th

Course Aim: Students will learn safety procedures, design, use of correct tools and machines, metalworking processes and techniques, and critical thinking skills.

Course Description: The purpose of this course is to provide students with the opportunity to develop more advanced skills in Welding, Brazing, Lathe Work, Milling Machine, Steel Fabrication, Sheet Metal Layout, CNC Milling, and CNC Lathe Operating. With an emphasis on working with close tolerances. Students will study the properties of metals to gain an appreciation of its unique qualities. There is a consistent focus on Safety.

6123 Agriculture-Business Management

Prerequisite: Agriculture Science, or Approval from Instructor

Length of Course: 1 semester

Credit Granted: .5. Fulfills Consumer Education requirement.

Open to: 11th and 12th

Course Aim: This course is designed for students to learn management skills, basic economic principles, and agriculture law in Agri-business fields while also learning the technological skills of Google's G Suite.

Course Description: Basic management skills and forms such as cash flow sheets, balance statements, net worth statements, profit and loss statements, land use, livestock programs, cropping systems, machinery size, capital requirements, insurance, fertilizer needs, and farm building are planned. The studying and analyzing of farm records allow the student to recognize how he or she can improve his ag business operations. Many of the management skills above are studied on computer software to meet the ever increasing knowledge and technology that people in agriculture must have to be more highly successful.

6137 Natural Resources and Conservation Management

Prerequisite: Intro to Agriculture Industries

Length of Course: 1 semester

Credit Granted: .5

Open to: 10th, 11th and 12th

Course Aim: This course develops management and conservation skills in understanding the connection between agriculture and natural resources.

Course Description: Student knowledge and skills are developed in: understanding natural resources and its importance; fish, wildlife, and forestry management and conservation; and exploring outdoor recreational enterprises. Hunting and fishing as a sport, growing and managing tree forests, and outdoor safety education will be featured. Career exploration will be discussed including: park ranger, game warden, campground manager, forester, conservation officer, wildlife manager, and related occupations. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

6134 Agricultural Communications and Leadership

Prerequisite: Intro to Agriculture Industries, or Approval from Instructor

Length of Course: 1 semester

Credit Granted: .5

Open to: 11th and 12th

Course Aim: This course develops student's analytical, written, and oral communication skills revolving around current agricultural issues and how they affect people on all sides of the issues.

Course Description: 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. Leadership and team-building will also be a major focus of the class. 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.

6135 (Advanced) Horticulture Production & Management

Prerequisite: Basic Horticulture Science

Length of Course: 1 semester

Credit Granted: .5

Open to: 10th, 11th and 12th

Course Aim: This course develops student's knowledge and experience in greenhouse management, floral design, hydroponics, and related segments of the horticulture industry.

Course Description: Major units of study include floriculture plant identification, greenhouse structures, hydroponic systems and the growing of greenhouse crops. Also included are care and handling of cut flowers, principles of art applied to floral design, and the mechanics of floral design. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a retail floral and greenhouse business. Students will be responsible for the care and marketing of the greenhouse plants. Students will also be responsible for planning a school garden. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

6136 Landscape & Turf Management

Prerequisite: Basic Horticulture Science

Length of Course: 1 semester

Credit Granted: .5

Open to: 11th and 12th

Course Aim: This course develops student's knowledge in both the landscape and turf grass management areas of horticulture.

Course Description: Units of study include plant identification, greenhouse management, landscape design, installation, and

maintenance, horticulture mechanics, nursery management, and turf production. Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

6138 Agricultural Construction and Technology

Prerequisite: Intro to Agriculture Industries or Basic Agricultural Mechanics, or Approval from Instructor

Length of Course: 1 semester

Credit Granted: .5

Open to: 11th and 12th

Course Aim: This advanced course focuses on the knowledge, hands-on skills, and workplace skills applicable to construction and woodworking in the agricultural industry.

Course Description: Major units of instruction include: personal safety, hand tools, power tools, blueprint reading, surveying, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall and painting. Careers such as agricultural engineers, carpenter, plumber, electrician, concrete and block layers, finishers, safety specialists, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

6142 Veterinary Technology

Prerequisite: Basic Ag Science, Biology or Anatomy, or Approval from Instructor

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 11th and 12th

Course Aim: This course focuses on developing a broad, general understanding of various concepts pertaining to veterinary science. An emphasis will be placed on knowledge of general animal veterinary/medical concepts, practical experience and other fundamentals.

Course Description: This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, 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. Improving computer and workplace skills will be a focus. Students will partake in hands on experience with animals such as dogs, cats, rabbits, goats, horses, ect. Field trips to local veterinary clinics, equine facilities, and farms. 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.

6128 Welding Technology I

Prerequisite: Intro to Agriculture Industries and Basic Agricultural Mechanics, or Approval from Instructor

Length of course: 1 semester

Credit Granted: .5

Open to: 10th, 11th, 12th

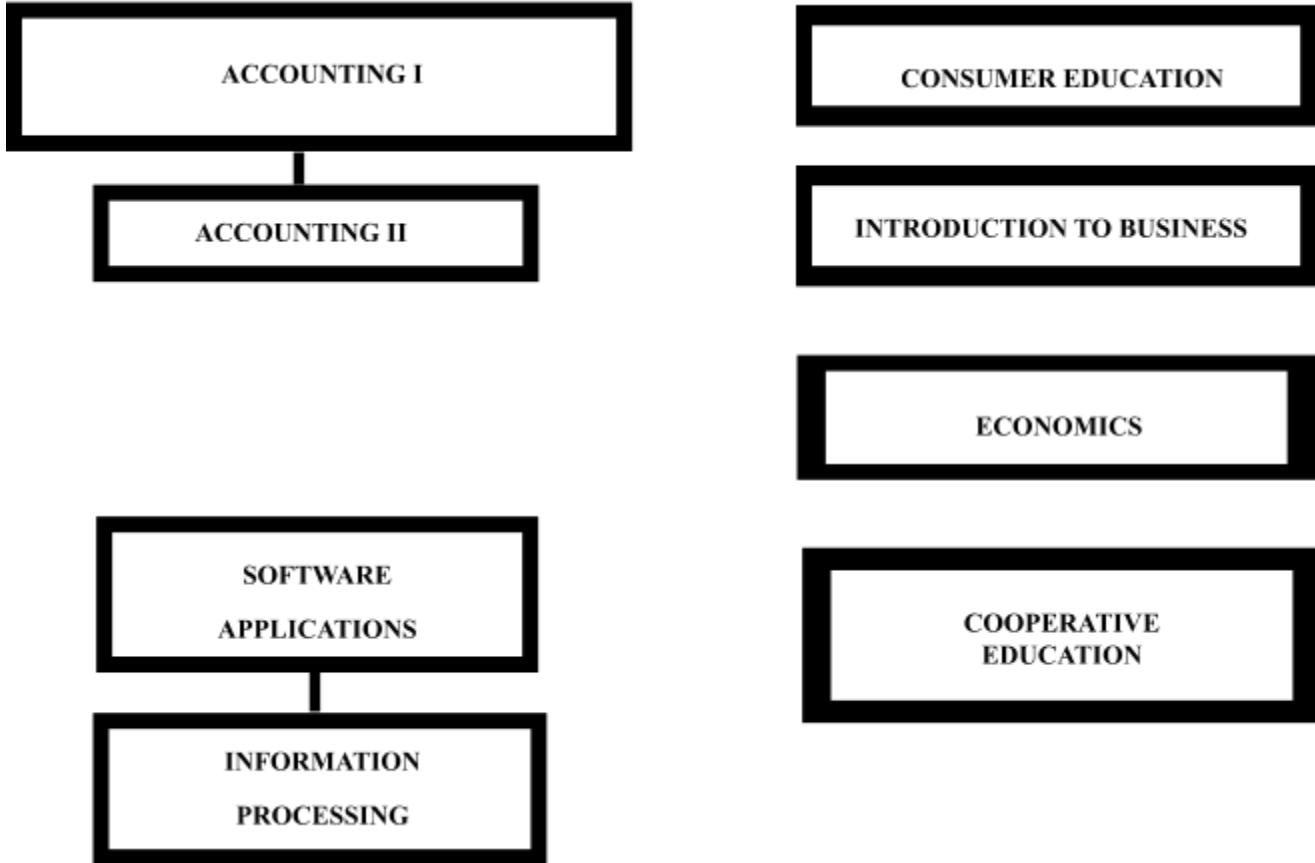
Course Aim: This course focuses on developing student's knowledge and experience in the basic skills needed to be

successful in the welding industry.

Course Description: Units of instruction include arc, TIG and MIG welding, metallurgy, cutting metal using arc, plasma and oxy-gas. In addition, students learn basics of blueprint reading, precision measuring, layout, and production process planning.

**Seniors may be exempt from taking the Intro to Agriculture Industries/Basic Agriculture Science/Basic Agricultural Mechanics pre-requisites.*

BUSINESS COURSE FLOW CHART



BUSINESS COURSES

7110 Accounting I

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 10th, 11th & 12th

Course Aim: To complete the steps of the accounting cycle for a service proprietorship and a merchandising corporation.

Course Description: This course assists students pursuing a career in business, marketing, management, finance, accounting and computers. This course included planned learned experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications are integrated throughout the course. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, processing employee benefits and career opportunities in the accounting/business field.

7116 Accounting II, Weighted Course

Prerequisite: Accounting I

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 11th & 12th

Course Aim: To complete the accounting cycle in departmentalized, corporation, management, and cost accounting.

Course Description: Accounting II is a course that builds upon the foundation established in Accounting I. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. The students may become familiar with such specialized field of accounting as cost accounting, tax accounting, payroll accounting, and others. Some students may choose to do specialized accounting computer applications, and others may elect payroll clerk, data processing computer application. Simulated business conditions may be provided through the use of practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications.

7125 Business Concepts

Prerequisite: None

Length of Class: 1 semester

Credit Granted: .5

Open to: All

Course Aim: To develop business marketing, finance, and management skills.

Course Description: This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production). Students will be

introduced to a wide range of careers in fields such as accounting, financial services, informational technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills, (thinking, listening, composing, revising, editing, and speaking), math and problem solving. Business ethics as well as other workplace skills will be taught and integrated within the course.

7106 Software Applications (Computer Concepts I)

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: All

Course Aim: To use Microsoft Office Suite tools to create, format, and edit documents.

Course Description: Computer Concepts and Software Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment. Students will apply problem-solving skills to hands-on real-life situations using a variety of software applications, such as word processing, spreadsheets, database management, presentation software, web design and desktop publishing. Students will explore topics related to computer concepts, operating systems, telecommunications and emerging technologies. The course will provide students with skills for both employment and future educational opportunities.

7107 Information Processing (Computer Concepts II)

Prerequisite: Software Applications

Length of Course: 1 semester

Credit Granted: .5

Open to: All

Course Aims: To manipulate documents and analyze data for a specific purpose using Microsoft Office Suite.

Course Description: Information Processing II (Computer Concepts II) is a skill-level course. Students will create and update Microsoft Office documents using word processing and desktop publishing programs and put together slideshows, speaker notes and handouts using presentation software. Students will revise data in a stored database and use queries to create customized reports. Students will edit and utilize calculation functions in spreadsheets, integrate graphics, spreadsheets, tables, text and data into documents and reports, and create graphs and charts from spreadsheets. Students will learn to conduct research on the Internet, prepare and answer routine correspondence, organize and maintain a filing system, maintain an appointment calendar, make travel arrangements, prepare itineraries and expense reports, and prepare and process timesheets. In addition, students will maintain inventory, order equipment and supplies, and perform routine equipment maintenance. Students will apply proper grammar, punctuation, spelling and proofreading practice to documents and reports. Accuracy will be emphasized. Workplace skills as well as communication skills will be taught and integrated throughout this course. A simulated information processing center will be used to provide students with the experiences of working in the environment of an information processing center.

7111 Consumer Education

Prerequisite: None

Length of Course: 1 quarter (opposite Driver's Education)

Credit Granted: .25 (Fulfills the Consumer Education graduation requirement)

Open to: All

Course Aim: To help students become knowledgeable consumers.

Course Description: This course is designed to empower students with the survival skills needed to cope in today's society.

Basic economic and decision-making principles will be emphasized in order to achieve maximum utilization and satisfaction from resources to evaluate alternatives in the marketplace, and to understand the rights and responsibilities of a consumer.

7112 Introduction to Business

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5 (Fulfills the Consumer Education graduation requirement)

Open to: All

Course Aim: To help students become knowledgeable consumers.

Course Description: Consumer Education is designed to prepare today's students for effective worthwhile consumer citizenship. Students will explore and discuss their economic need, resources and how to best satisfy their unlimited wants within the limitations of their resources. Experiences in this course include earning capabilities, budgeting, goal planning, borrowing, saving and investing, financial services and income taxes, and insurance.

7114 Economics - Weighted Course

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5 (Fulfills the Consumer Education graduation requirement)

Open to: 11th & 12th

Course Aim: To study the basic principles of business and social economics.

Course Description: Economics is designed to provide the enriched student with an introduction to the basic principles of economics. This course involves the study of economic issues involved in the operation of a business enterprise. The course will start out with an overview of different economic systems to help students become aware of how the economies operate. The course will then focus on the specifics of a mixed, free-market economy and the role that private business and enterprise plays in sustaining the global economy. Topics that will be covered will be roles of consumers in business, opportunity and unit cost, raising capital, money management, long term/ short term debt, stock and stockholder issues, budgeting, saving, spending, investing and credit.

7120 Business 110 Dual Credit (3 Credit Hours - Transfer Credit) - (Online Course)

Prerequisite: Must meet entrance requirements for course through college

Length of Course: 1 semester

Credit Granted: .5 FCHS credit (3 hours of College Credit)

Open to: 11th & 12th

Course Description: This course covers the factual and informational survey of business designed to give the student a background for understanding the principles and practices governing the operation of modern business.

7102 Cooperative Education - Co-Op Work AM

7103 Cooperative Education - Co-Op Work PM

Prerequisite: Acceptance into program.

Length of Course: 1 year

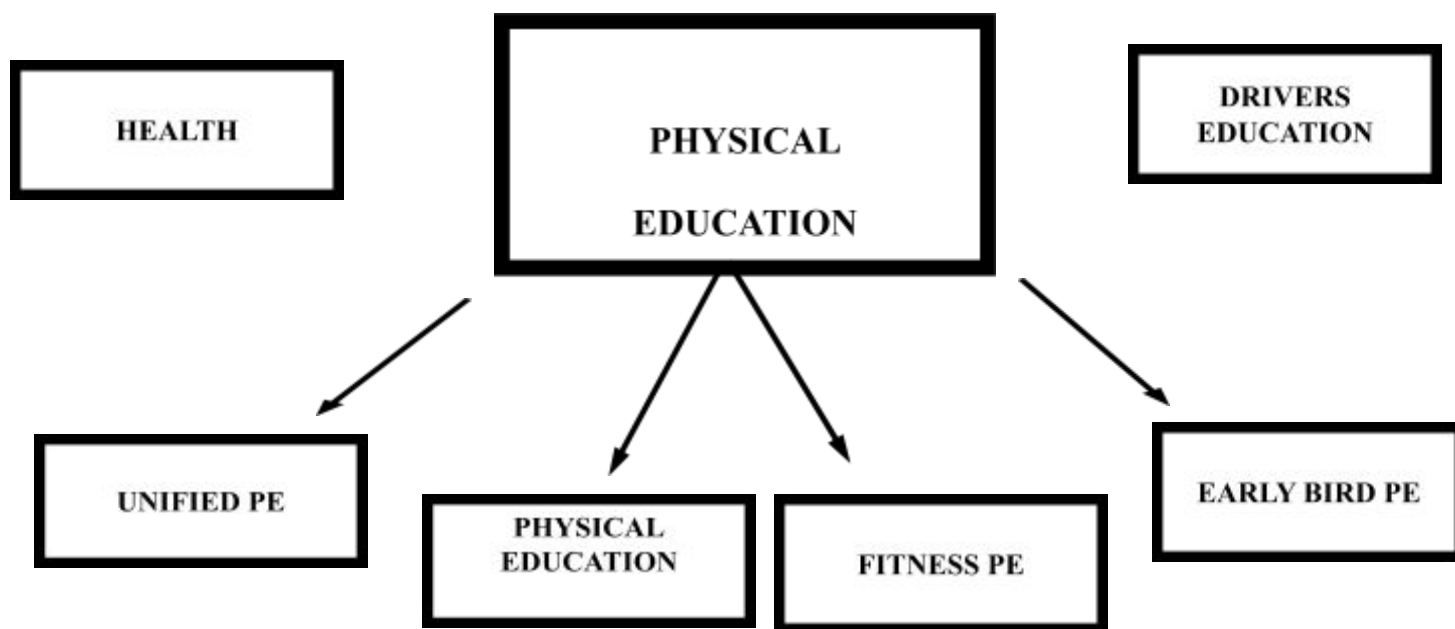
Credit Granted: 2, (1 per semester)

Open to: 12th (Apply Spring of Junior Year)

Course Aim: To develop employability skills and soft skills for the workforce.

Course Description: Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and are enrolled in the related classroom instruction course-Cooperative Education. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. The course content included the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationship, legal protection and responsibilities, economics and the job, organization, and job termination. Written training agreements and individual student training plans are developed and agreed upon by the employer, student, parent and coordinator. All parties assume compliance with federal, state, and local laws and regulations. Students will apply for Cooperative Education during the spring of their junior year. Selection will be made by the coordinator of the program and school administration.

PHYSICAL EDUCATION COURSE FLOW CHART



PE WAIVER

Illinois School Code requires that all high school students take P.E. every semester; however, students may be exempt from P.E. for the semester if they meet any of the following criteria:

- 1) The student is in grade 11 or 12 and is a participant in interscholastic athletics.
- 2) The student is in grade 9-12 and is a participant in Marching Band or ColorGuard (1st semester only).
(NOTE: Colorguard students NOT enrolled in Band/Chorus for Q2 must go into a PE class.)
- 3) The student is in grade 11 or 12 and must enroll in a class that, if not taken, would prevent the student from graduating (requires verification by the school counselor).
- 4) The student is in grade 11 or 12 and must enroll in a class that, if not taken, would prevent the student from admission to an institution of higher learning of the student's choice (requires written verification from a college admissions counselor).
- 5) The student has a medical issue and provides documentation signed by a physician.

Students must complete an **Academic PE Waiver** (see forms) with appropriate signatures to take advantage of this exemption.

DRIVER EDUCATION, HEALTH & PHYSICAL EDUCATION

5101 Driver Education

Prerequisite: Must have passed 8 courses in the previous two semesters

Length of Course: 1 Quarter (Behind the wheel taken during PE or Study Hall as arranged by instructor)

Credit Granted: .25 (Required for graduation)

Open to: All

Course Description: Offered to all students who are eligible according to the State of Illinois Rules and Regulations concerning Driver Education. This 9 week course of thirty (30) hours is designed to help young drivers develop the knowledge, skills, and attitudes necessary to become safe, low-risk, responsible drivers. In order to attain one half of state law requirements towards obtaining a driver's license, a student must pass 30 hours of classroom instruction. Students must also pass the Illinois Rules of the Road written test and the Illinois vision test in order to qualify for an Illinois Instruction Permit. (\$20.00 fee to Secretary of State)

Behind the Wheel: Offered to all students who are eligible according to the State of Illinois Rules and Regulations concerning Driver Education and are enrolled in or have completed classroom. In order to attain one half of state law requirements towards obtaining a driver's license, a student must pass 6 hours of BTW driving and 6 hours of BTW observation. A \$50.00 lab fee paid to Farmington Central High School is required before BTW will begin and before notification is made to the ISBE for driver's license approval upon completion.

5110 Health

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: All. Required for graduation. Recommended for 9th or 10th.

Course Aim: To allow students to make good decisions leading to a healthy lifestyle.

Course Description: Health is a semester course on the major aspects of maintaining a healthy mind, body and spirit. It is designed to develop and understanding of physical, emotional and social needs. It also promotes positive decision-making and abstinence education.

5107 Wellness Physical Education

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .25

Open to: All

Course Aim: Wellness Education shall provide an opportunity for students to develop an understanding of recreational and fitness related activities.

Course Description: Students in Physical Education will participate in various exercise programs focused on the components of health related fitness. Students will also develop a cognitive understanding of the importance of living a physically active lifestyle.

5108 Fitness Physical Education

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .25

Open to: All

Aim of Course: Fitness Education shall provide an opportunity for students/athletes to further develop the physical fitness levels and health related fitness.

Course Description: Students in Fitness Education will participate in various exercise programs focused on the components of fitness related activities. The components include strength, muscular endurance, cardiorespiratory endurance, flexibility, and body composition. Students will demonstrate an improved level of fitness using Fitness Gram physical fitness protocols. Students will develop a cognitive understanding of the importance of living a physically active lifestyle.

5401 Unified Physical Education

Prerequisite: Approval of Instructor

Length of Course: 1 semester

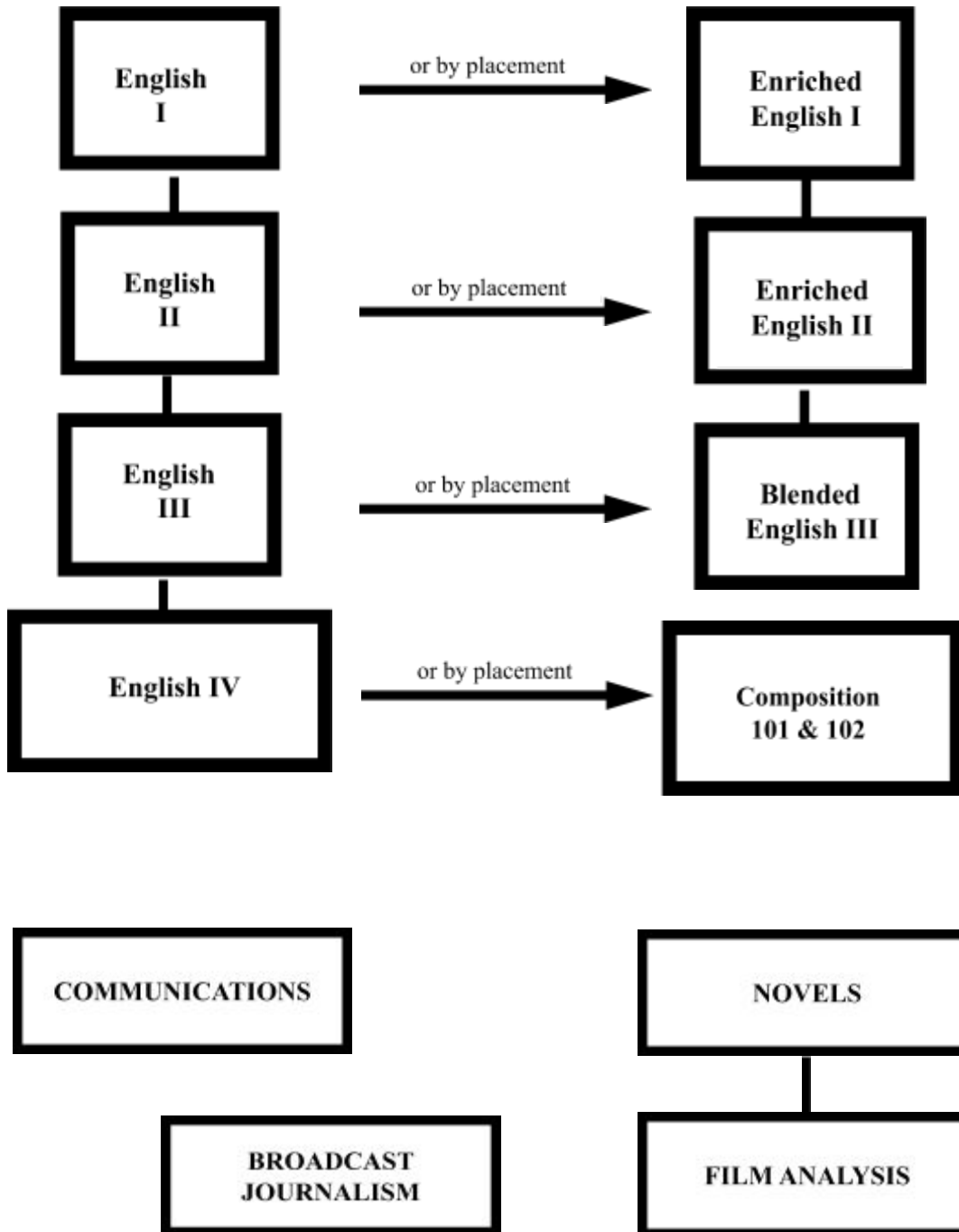
Credit Granted: .25

Open to: All

Aim of Course: The intention of Unified PE is to provide students with disabilities a PE curriculum that is catered to their individual needs, while also being in the least restrictive environment.

Course Description: Unified Physical Education (P.E.) is P.E. that has been adapted or modified, so that it is as appropriate for a student with a disability, as it is for a student without a disability. Each student with a disability will be assigned a general education peer buddy. The class will be run on a schedule that emphasizes repetition, routine, structure, and visual directions. Some activities are as follows: cardio activities that cater to each student's ability level, weight room activities with picture visuals, circuit training with a tear away task strip, modified yoga with quiet, soothing music, as well as sport, recreation, and lifetime long leisure activities.

ENGLISH COURSE FLOW CHART



ENGLISH COURSES

1101 English I

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester) (Required for Graduation)

Open to: 9th

Course Aim: Students will be able to communicate and present information after researching source material.

Course Description: English I develops good language habits, both oral and written, that are important for everyday life, such as correct word usage, accurate spelling and punctuation, effective sentence structure and clear paragraph composition. The program includes development of various types of paragraphs and essays with emphasis on mechanics, unity, and coherence through expository, persuasive and narrative writing. MLA format is introduced. English I also consists of a literature study including the novel, drama, short stories, and nonfiction.

1102 Enriched English I (Writing Intensive) - Weighted Course

Prerequisite: "B" in 8th Grade English, above grade lexile average

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 9th

Course Aim: Students will be able to communicate and present information after researching enriched source material.

Course Description: Enriched English I develops good language habits, both oral and written, that are important for academic life, such as correct word usage, parallel structure, types of paragraphs and essays with emphasis on mechanics, unity, and coherence through expository, persuasive and narrative writing. MLA format is further developed. English I also consists of an accelerated literature study including the novel, drama, short stories, and nonfiction.

1103 English II (Writing intensive)

Prerequisite: English 1

Length of Course: 1 year

Credit Granted: 1 (.5 per semester) (Required for Graduation)

Open to: 10th

Course Aim: Students will be able to communicate and present information after effectively analyzing source material.

Course Description: English 2 consists of further study in vocabulary, grammar, and literature focused on developing and strengthening those skills needed to become a proficient and competent writer in a society of constant communication. Each unit will evaluate influential works of writing from a modern, purpose-driven view.

1104 Enriched English II (Writing intensive) - Weighted Course

Prerequisite: "B" in English I and above grade level Lexile Score

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 10th

Course Aim: Students will be able to communicate and present information after effectively analyzing enriched source material.

Course Description: Consists of a further enhanced study of literature and informational texts focused on developing and strengthening those skills needed to become a proficient and competent academic writer in a society of constant communication. Each unit will focus on a different purpose in academic writing while evaluating influential works of writing from a modern, purpose-driven view. Students will also continue to develop their use of MLA citation.

1105 English III (Writing Intensive)

Prerequisite: English 1, English 2

Length of Course: 1 year

Credit Granted: 1 (.5 per semester) (Required for Graduation)

Open to: 11th

Course Aim: Students will be able to communicate and present information after effectively analyzing and evaluating various mediums.

Course Description: English 3 consists of a study in grammar usage, vocabulary, writing, and literature. The reading is in American literature emphasizing an appreciation and understanding of our literary heritage. The grammar study includes sentence structure, verb usage, subject/ verb agreement, pronoun usage, phrase and clause structure, and punctuation. Writing units include summary writing, claim development, organization through use of specific support, MLA sourcing, thesis composition, and research.

1105 English III - Blended (Writing Intensive) - Weighted Course

Prerequisite: English 1, English 2 (C or better)

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 11th

Course Aim: Students will be able to communicate and present information after effectively analyzing and evaluating various mediums while navigating an online classroom with more individual responsibility.

Course Description: English 3 Blended is a partially online study in grammar usage, vocabulary, writing, and literature. The reading is in American literature emphasizing an appreciation and understanding of our literary heritage. The grammar study includes sentence structure, verb usage, subject/ verb agreement, pronoun usage, phrase and clause structure, and punctuation. Writing units include summary writing, claim development, organization through use of specific support, MLA sourcing, thesis composition, and research. Assessments will be conducted online, while some lessons will have mandatory in-class attendance. Instructor will be available to meet in-person during class at students' request.

1107 English IV (Writing Intensive)

Prerequisite: English 3

Length of Course: 1 year

Credit Granted: 1 (.5 per semester) (Required for Graduation)

Open to: 12th

Course Aim: Students will be able to communicate and present information after effectively analyzing, evaluating, and proposing solutions to real-world situations after vigorous research and revision.

Course Description: Emphasis on development of student writing (analytical, evaluative, creative, and research) through which individual weaknesses in grammar are detected and corrected. Students develop multiple genres of writing with writing

samples such as resume, cover letter, response to literature, narrative account, and an extended research project/paper. A survey of English literature gives the student a solid background in the origins and development of the English language.

1110 Broadcast Journalism

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: 11th & 12th

Course Aim: This course is a professionally-oriented media course intended for students wanting to continue their learning within Broadcast Journalism.

Course Description: This introductory course familiarizes students with the basics of electronic media. Students practice using microphones and video systems. They create short clips that they present in class. This radio broadcasting course is a practical, hands-on course which gives students the opportunity to get their feet wet in electronic media and decide if they really want to pursue careers in the field. Technology integration will also play a key component of the program with editing video production, live streaming, recording, and podcasting all integrated. Evaluation is based on daily/written assignments, quality of story segments, and attention to process and deadlines. This course may be repeated once for additional credit.

1111 Communication

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: 10th, 11th, 12th (Required for graduation for Grades 10-12)

Course Aim: Students will be able to understand and use the verbal and nonverbal communication process which includes listening while building the confidence to speak in various settings.

Course Description: Students will be introduced to public speaking, basic communication theory and small group problem solving. Students will present various types of speeches including impromptu, informative, demonstrative and persuasive. In addition, students will participate in group discussions and refine basic research skills.

1114 Composition I (1st semester) (College English) (Weighted Class) (Through Carl Sandburg Sandburg College)

Prerequisite: English, I, II, and III

Length of Course: 1 semester

Credit Granted: .5 FCHS credit, 3 hours of College Credit

Open to: 12th

Course Aim: Students will be able to communicate and present information after effectively analyzing, evaluating, and proposing solutions to real-world situations after vigorous research and revision to fulfill requirements for college credit.

Course Description: This course progresses the student from writing expressive compositions (expressing ideas of the writer) to writing referential compositions (explaining or analyzing the subject matter for the reader) to writing persuasive compositions (persuading an audience) through critical reading, discussion, exercises, conferences and revision. The majority of the writing is referential.

1115 Composition II (2nd semester) (College English) (Weighted Class) (Through Carl Sandburg Sandburg College)

Prerequisite: Composition 1 with Grade "C" or better.

Length of Course: 1 semester

Credit Granted: .5 FCHS credit, 3 hours of College Credit

Open to: 12th

Course Aim: Students will be able to communicate and present information after effectively analyzing, evaluating, and proposing solutions to real-world situations after vigorous research and revision to fulfill requirements for college credit.

Course Description: This course progresses the student from writing analysis of and inquiring about issues to writing argumentative and persuasive compositions using research, through critical reading, discussion, exercises, conferences and revision. The majority of the writing is argumentative.

1125 Novels

Prerequisite: English I & II

Length of Course: 1 semester

Credit Granted: .5

Open to: 11th & 12th

Course Aim: Students will be able to understand the development of how literature is created by using different critical lenses to interpret and analyze various pieces of literature.

Course Description: Novels will focus on how literature is created. Students will discuss how literature has been transformed through the centuries from oral storytelling and illuminated manuscripts to the codex and ebooks of today, and then focus on how literature shapes and is shaped by our culture. In addition to the novel selections for the course, students will complete an independent novel study on any novel approved by the teacher. Students will also study literary critical theory and display their knowledge of and interpretation of a specific novel using one of the popular literary theories of today.

1134 Film Analysis

Prerequisite: English I & II

Length of Course: 1 semester

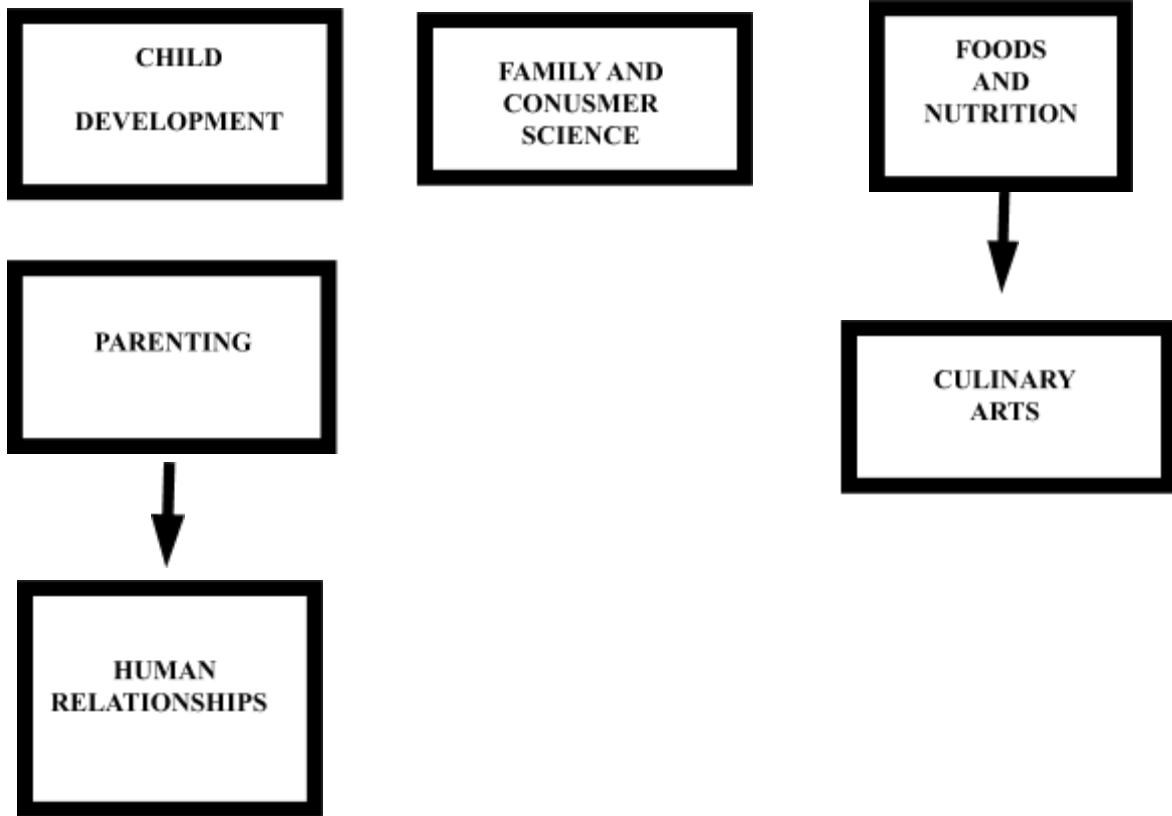
Credit Granted: .5

Open to: 11th & 12th

Course Aim: Students will be able to analyze classic and contemporary films through various mediums while focusing on academic themes and their application to real life.

Course Description: In this course students will analyze various aspects of multi-genre films. Students will critically view film as a literary work with respect to authorship, setting, character, plot, theme, symbolism and cultural significances. This course will have a substantial written component consisting of informal personal responses, film review, research and formal analytical essays. Students will also be expected to complete all formal essays in MLA format while practicing revision skills before the final draft is submitted.

FAMILY & CONSUMER SCIENCE COURSE
FLOW CHART



FAMILY & CONSUMER SCIENCE COURSES

6107 Child Development

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: 10th, 11th, 12th

Course Aim: Students will gain an understanding of the physical, cognitive, social, and emotional development of children from the age of one year through adolescence. Fetal development, child birth, and delivery will be examined. The students will learn to care for a child from the viewpoint of a childcare coordinator, director, and teacher.

Course Description: This course is designed for students interested in examining the broad spectrum of child development theory. Various philosophies, along with current research, will be used to present the areas of physical, social, emotional, and intellectual development, prenatal to age five. Through discussion, critique and research, class activities will add direction and focus to career opportunities in the field of child development. Students will be working with Bright Futures students and designing their own lessons to fulfill case study observation requirements of the Illinois Early Learning Standards.

6106 Family & Consumer Science

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: All

Course Aim: It is the aim of F&CS courses that all students increase their ability to act responsibly and productively, work cooperatively, apply concepts of balancing school/work and family, create solutions to critical and emergent issues, utilize technology effectively in personal and family settings, and maintain a healthy lifestyle.

Course Description: This introductory course focuses on helping young adults succeed in everyday life. Areas explored are self-understanding, peer and family relationships, parenting, food and nutrition, and child development. The course emphasizes research based nurturing and parenting practices and skills, including brain development research.

6109 Foods & Nutrition

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: 9th, 10th, 11th, 12th

Course Aim: Students will recognize the importance of food choices with basic food preparation.

Course Description: Foods students learn that cooking starts with planning and preparation and ends with serving, tasting, presentation, and evaluation. Units include: Sanitation, Nutrition, Quick/Yeast breads, Grains/Rice/Pasta, Meats, Fruit, Vegetables, and Dairy. Our students gain a variety of skills through the practical application of reading, measuring, teamwork, and individual creativity.

6112 Parenting

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: 10th, 11th, 12th

Course Aim: To develop nurturing and parenting skills and examine physical and emotional development.

Course Description: This course is designed to help students think through the responsibilities, satisfactions and stresses of parenthood. Many types of parenting situations are examined. Stress prevention and management and the work of community agencies that help parents deal with various types of parenting crises are emphasized. The course content includes the following duty areas: managing and organizing parenting by applying decision-making and goal-setting skills; applying the basic principles of the parenting process; practicing health and safety standards as related to parenting; providing experiences which encourage parents and children to maximize resources; encouraging human relations skills in children/adolescents; and evaluating impact on parenting of family and career changes. Special attention is given to the needs of teenage parents and to the importance of readiness for parenthood. Students will work closely with the Bright Futures Pre-k to observe and teach lesson plans to encourage mental and physical development.

6610 Human Relationships

Prerequisite: Approval from Instructor

Length of Course: 1 semester

Credit Granted: .5

Open to: 11th and 12th

Course Aim: To examine the importance of human relationships and friendships with social skills and social-emotional development.

Course Description: This course explores aspects of life which include: personality development, health, communication, relationships with family and friends, mate selection, marriage, parenting, handling crisis, and managing family living. Practical information will be given to help you deal with real life situations. We will be using the book Seven Habits of Highly Effective Teens as we move through this course.

6130 Culinary Arts

Prerequisite: Foods & Nutrition, or Approval from Instructor

Length of Course: 1 semester

Credit Granted: .5

Open to: 11th and 12th

Course Aim: Students will recognize the influences of food choices pertaining to nutritional value and food guidelines.

Course Description: Culinary Arts has been developed to continue the study of nutrition and cooking techniques introduced in Foods and Nutrition. Additional, and more advanced, techniques and principles of food preparation will be applied. Culinary Arts is dedicated to inspiring our students to reach their full potential through an education that emphasizes technique and professionalism. Students will be working closely with the Farmington District Kitchen Staff to gain hospitality and commercial kitchen experience. Students will embark on a financial journey to create their own restaurant business. Communication skills, math concepts and applications, science, art, health, and technology are integrated throughout this course.

6133 Nutrition 110 Dual Credit (3 Credit Hours - Transfer Credit) - (Online Course)

Prerequisite: Must meet entrance requirements for course through college. One full year of HS Chemistry or Biology is required.

Length of Course: 1 semester

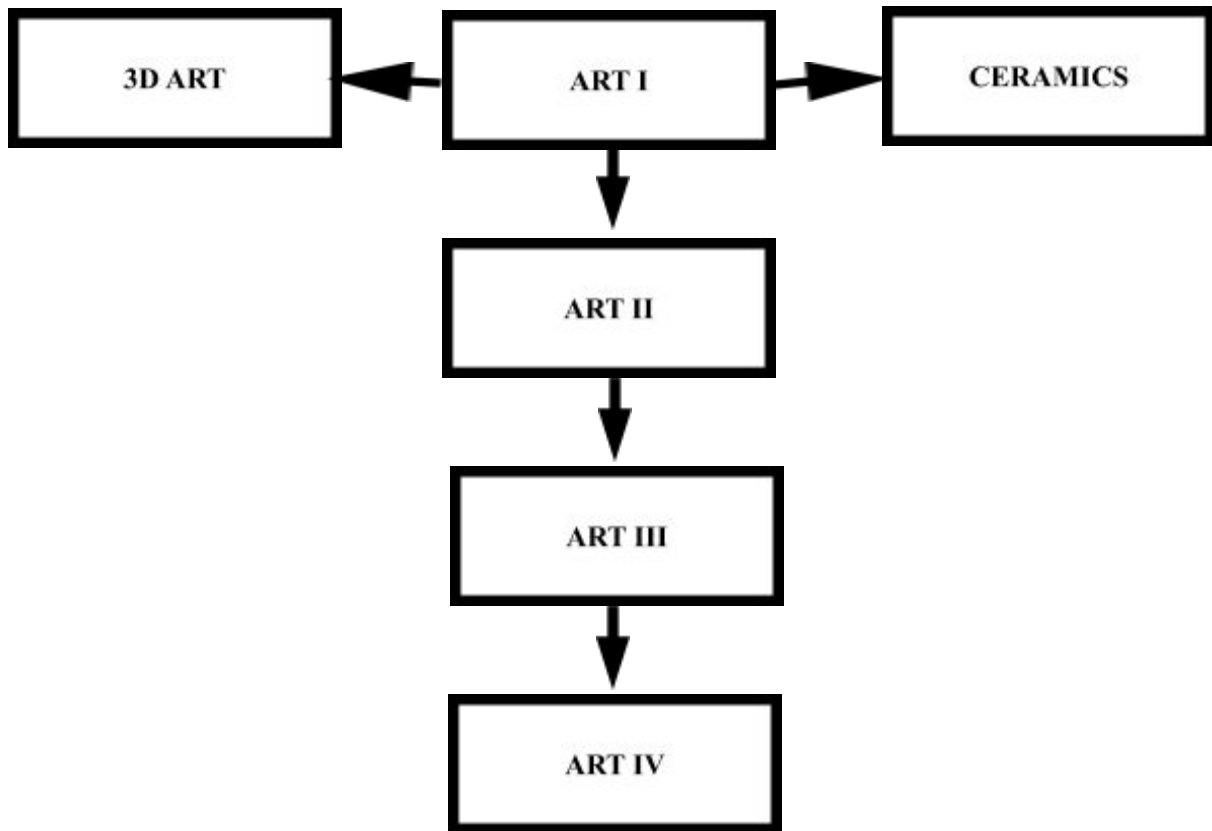
Credit Granted: .5 FCHS credit (3 hours of College Credit)

Open to: 11th & 12th

Course Description: This course is designed to introduce the student to the concepts and principles of nutrition emphasizing the role of nutrition in health while being able to identify food nutrients and their functions. Cultural, religious, and geographical influences are discussed. Emphasis on current dietary recommendations for maximizing well-being and minimizing risk of chronic disease, focus on use of tables, food guides, and guidelines for making healthy food choices is integrated. Discussion also includes nutrition needs for stages of the lifecycle, methods for evaluating credibility of nutrition claims, safe and economic use of supplements, principles of energy balance, basic elements of food safety, diet for exercise and sports.

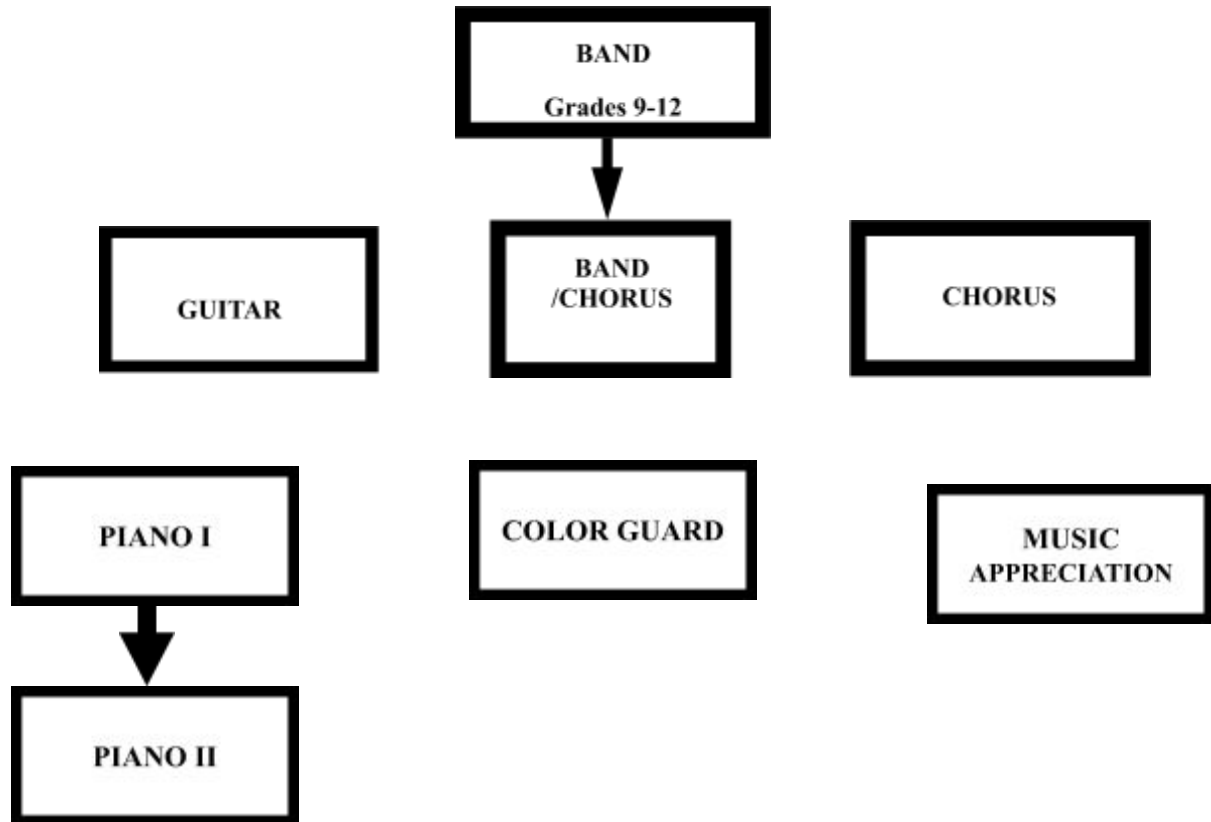
FINE ARTS FLOW CHARTS

ART FLOW CHART



FINE ARTS

MUSIC COURSE FLOW CHART



FINE ARTS COURSES

ART

8101 Art I

Prerequisite: None
Length of Course: 1 year
Credit Granted: .5 semester
Open to: 9th 10th 11th & 12th

Course Aim: Students will be experimenting with different mediums and resources to start their creative endeavors.

Course Description: This is an introductory class for students to experience visual arts. The content covers the elements and principles of art, art history, different media's, and techniques. This course is a prerequisite course for all other art classes available.

8102 Art II

Prerequisite: Art 1 with a passing grade
Length of Course: 1 year
Credit Granted: .5 semester
Open to: 10th 11th & 12th

Course Aim: Students will be working with two and three dimensional pieces that portray ideas or emotions.

Course Description: This course is meant for third level students who have completed Art 1. Skills learned previously are incorporated and enhanced through two and three dimensional works. Students must show initiative and good work habits in addition to being interested in art.

8103 Art III

Prerequisite: Art II with a passing grade
Length of Course: 1 year
Credit Granted: .5 semester
Open to: 11th & 12th

Course Aim: Students will be working with two and three dimensional pieces that portray ideas or emotions.

Description: This class focuses on developing skills and ideas for students to experience visual arts. The content covers in-depth explanations of materials, field trips, and discovering personalities.

8104 Art IV

Prerequisite: Art III with a passing grade
Length of Course: 1 year
Credit Granted: .5 semester
Open to: 12th

Course Aim: Students will be planning multiple works of art and design based on a theme, idea, or concept.

Course Description: By using all the information, techniques, and mediums they have learned over the last three years, students will be choosing and grading their own works of art.

8115 Ceramics

Prerequisite: Art 1 with a passing grade

Length of Course: 1 semester

Credit Granted: .5 semester

Open to: 10th 11th & 12th

Course Aim: Students will be able to depict and sketch out a three-dimensional object two-dimensionally and that will turn into a three-dimensional work of art.

Course Description: Students will be working with strictly three-dimensional pieces.

8125 3-D Art

Prerequisite: Art 1 with a Passing Grade

Length of Course: 1 semester

Credit Granted: .5 semester

Open to: 10th, 11th, & 12th

Course Aim: Students will be able to depict and sketch out a three-dimensional object two-dimensionally and that will turn into a three-dimensional work of art.

Course Description: Students will be working with strictly three-dimensional pieces.

8130 Art 110: Art Appreciation Dual Credit (3 Credit Hours - Transfer Credit) - (Online Course)

Prerequisite: Must meet entrance requirements for course through college.

Length of Course: 1 semester

Credit Granted: .5 FCHS credit (3 hours of College Credit)

Open to: 11th & 12th

Course Description: This course is a survey of the visual arts, exploring the nature, language and history of art, in relation to cultural, humanistic, and aesthetic values.

MUSIC

8105 Band

Prerequisite: Junior High Band experience or permission of instructor

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: All

Course Aim: To develop the musical talent of each student.

Course Description: Band is a performance-oriented class stressing musical development through daily in-class and out-of-class practice. Concert band puts on three (3) concerts along with community and conference performances. Marching band performs at home football games, contests and civic functions. All performances are required unless excused by the instructor in advance of the event. Rehearsals are sometimes before or after school. The band performs at various festivals and school and community events.

8122 Band/Chorus

Prerequisite: Previous Band Experience

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: All

Course Aim: To develop the musical talent of each student.

Course Description: Combination of Band and Chorus for students who have an interest in both.

8109 Chorus

Prerequisite: Try-out with instructor

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: All

Course Aim: To develop vocal talents of each student.

Course Description: A wide variety of choral literature is learned and performed at various concerts during the year. Basic singing and sight-reading skills are developed throughout the year. The chorus participates in State Solo and Ensemble contests, Conference Festivals, concerts, local civic events, and sings the Star Spangled Banner at all home boys football and basketball games. Performances (concerts and festivals) are required unless excused in advance by the instructor.

8113 Guitar

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: All

Course Aim: To develop basic guitar knowledge of each student.

Course Description: Guitar is a class for students who would like to learn the basic of playing the guitar. The class will include: chords, note reading, singing with accompaniment, improvisation, solos, and duets. A basic knowledge of music will be helpful, but is not required. All students will be responsible for having a guitar and the classroom method book for the

class.

8114 Color Guard

Prerequisite: Tryout

Length of Course: 1 semester

Credit Granted: .25

Open to: Individuals who qualify via tryout

Course Aim: To develop basic color guard performances of each students.

Course Description: Students will work with flags, rifles, sabres, and other props as an extension of the marching band during marching season. Guard will perform at home football games and rehearse during band hour and outside of those times as a core group. They will be responsible for learning drill and routines that will be graded in a performance-oriented environment by the Band Director and the Color Guard Director.

8119 Piano 1

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: All

Course Aim: To develop basic piano knowledge of each student.

Course Description: Students will learn the basics of music notation, rhythm, melody and harmony. Students progress through instruction utilizing beginning piano books and supplementary materials. Access to a piano/keyboard outside the class is helpful but not necessary.

8120 Piano 2

Prerequisite: Piano 1 or permission of instructor

Length of Course: 1 semester

Credit Granted: .5

Open to: All

Course Aim: To develop advanced piano knowledge of each student.

Course Description: Piano 2 is a continuation of piano one with more emphasis on technique, chord structure, and harmonization. Access to a piano/keyboard outside the class is helpful but not necessary.

8124 Music Appreciation Dual Credit

Prerequisite: Must meet entrance requirements of college.

Length of Course: 1 semester

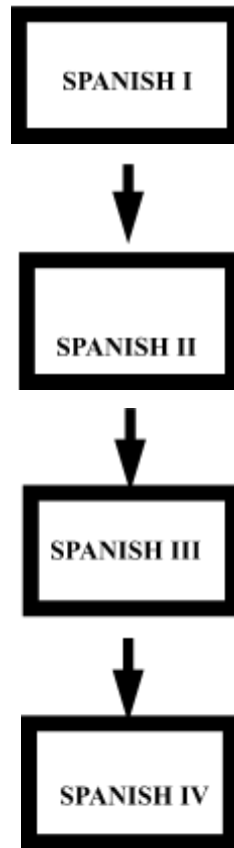
Credit Granted: .5 FCHS credit, 3 hours of College Credit

Open to: 11th and 12th

Course Aim: To explore music and the importance it has on culture.

Course Description: This is a general course introducing representative music of various periods from our musical heritage. Skills of intelligent listening are taught.

FOREIGN LANGUAGE COURSE FLOW CHART



FOREIGN LANGUAGE COURSES

1120 Spanish I

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: All

Course Aim: To develop students to communicate in Spanish and help them appreciate a foreign culture.

Course Description: Spanish 1 stresses pronunciation and the essentials of grammar. Exercises in hearing, speaking and writing simple Spanish are practiced. The cultures of Mexico and other Spanish speaking countries are introduced.

1121 Spanish II

Prerequisite: Spanish 1 with grade of “C” or better

Length of Course: 1 year

Credit Granted: 1, .5 per semester

Open to: 10th, 11th, 12th

Course Aim: To continue to develop students to communicate in Spanish and to help them become more proficient in Spanish.

Course Description: Classroom reading and grammatical analysis of simple modern Spanish prose, short stories and essays are the main focus of second year Spanish. Students will also prepare oral and written presentations concerning the life, customs and institutions of the Spanish people. Oral drill and practice of pronunciation and expression is continued. Special attention is given to past and future tenses in the second year, expanding on the present tense learned in the first year.

1122 Spanish III

Prerequisite: Spanish 2 with grade of “C” or better

Length of Course: 1 year

Credit Granted: 1, .5 per semester

Open to: 11th & 12th

Course Aim: To continue to develop students to communicate in Spanish and to help them become more proficient in Spanish.

Course Description: This course is a continuation of the grammatical studies of Spanish 2. Novels are studied and the art of speaking and understanding what is heard is continued. A video course is studied in coordination with the text. Contemporary Spanish life in Mexico, and the Chicano in the United States will be studied through the short stories, poetry and essays presented.

1123 Spanish IV - Weighted Course

Prerequisite: Spanish 3 with grade of “C” or better

Length of Course: 1 year

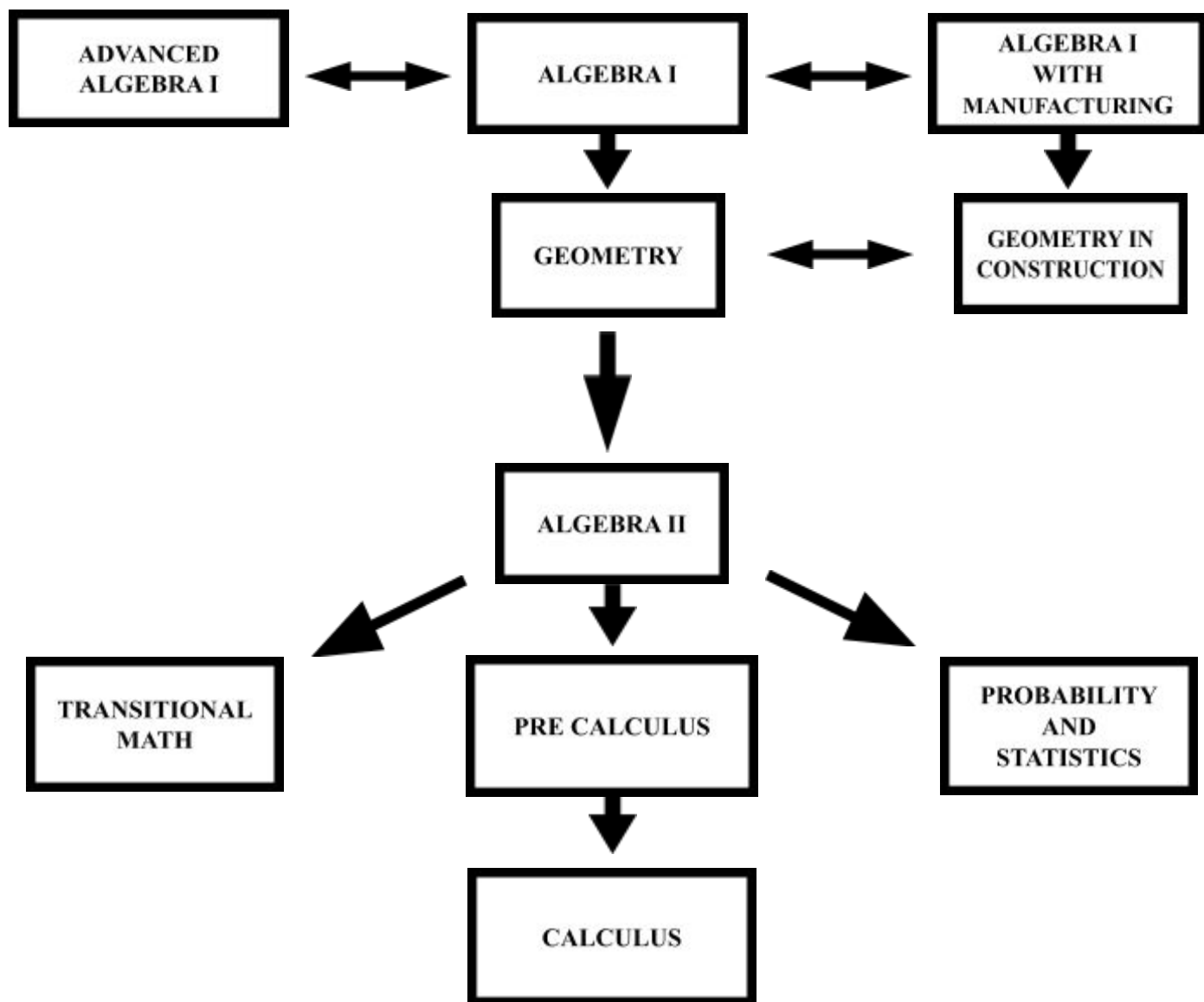
Credit Granted: 1, .5 per semester

Open to: 12th

Course Aim: To continue to develop students to communicate in Spanish and help them become more proficient in Spanish.

Course Description: This course expands the use of the language skills students have built in the first three courses. The use of Spanish to read literature and write will be increased and expanded during this course. The culture of South America is studied. Reports, short essays and short oral presentations are emphasized.

MATHEMATICS COURSE FLOW CHART



MATHEMATICS COURSES

2101 Algebra I

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester) (Required for Graduation)

Open to: All

Course Aim: Upon completing the course, students should be able to: evaluate algebraic expressions for given value, use order of operations to evaluate expressions, perform operations with positive and negative numbers, perform operations involving fractions, solve equations and inequalities with one variable, graph and write linear functions in two variables and solve systems of linear equations.

Course Description: Students will be given an introduction to basic algebraic concepts, learn the fundamentals of the properties of real numbers, and then gain an understanding of linear functions. By the end of this course, students will be able to solve linear equations and inequalities, graph and write linear functions and inequalities, and solve systems of linear functions.

2102 Algebra I (Manufacturing)

Prerequisite: By Referral

Length of Course: 1 year

Credit Granted: 2 (1 per semester). Student receives one math credit and one elective credit.

Open to: 9th Limit of 20 students.

Course Aim: To explore concepts of Algebra I using applied manufacturing concepts in an apprenticeship manner.

Course Description: This course is designed to introduce the student to the world of advanced manufacturing using Algebraic concepts and establish a foundation upon which further studies in manufacturing might rest. Students will explore basic manufacturing materials and processes, tools, techniques, and produce some simple products.

2103 Advanced Algebra I

Prerequisite: Student placement utilizing MAP scores and teacher recommendations.

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: All

Course Aim: Upon completing the course, students should be able to: solve equations and inequalities with one variable, graph and write linear functions in two variables, solve systems of linear equations, simplify exponential expressions and identify, evaluate, and graph exponential functions classify, add, subtract, multiply, and factor polynomials, graph and use quadratic functions in different forms, solve quadratic equations using various methods and graph and solve radical equations.

Course Description: This is a required course and an introduction to more advanced mathematics. Students will learn the fundamentals of solving linear equations and inequalities, graphing and writing linear functions, solving systems of linear equations, and be introduced to exponential functions, quadratic functions, polynomials and factoring, and radical functions.

2104 Algebra II

Prerequisite: Algebra I

Length of Course: 1 year

Credit Granted: 1 (.5 per semester) (Required for Graduation)

Open to: 10th, 11th, 12th

Course Aim: Upon completing the course, students should be able to: expand upon the concepts learned in Algebra 1, identify parent functions of a graph and apply transformations, solve quadratic equations using complex numbers, use the discriminant to determine the type and number of solutions of a quadratic equation, solve systems of nonlinear equations, solve polynomial equations using factoring, long and synthetic division, find and verify inverses of nonlinear functions, implement the properties of logarithms to solve equations, perform operations with rational expressions and solve rational equations.

Course Description: Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

2105 Geometry

Prerequisite: Algebra I

Length of Course: 1 year

Credit Granted: 1 (.5 per semester) (Required for Graduation)

Open to: 9th, 10th, 11th, 12th

Course Aim: Upon completing the course, students should be able to: recognize basic geometric figures, identify and prove congruency and relationships of triangles, apply geometric measurements and dimensions, express geometric properties with equations, recognize, label and apply properties of polygons, find solutions using properties of circles, prove geometric theorems involving lines, angles, and segments, use Trigonometric properties and ratios, use applications of trigonometric functions and properties, write algebraic proofs, solve problems, prove theorems utilizing constructions, find perimeter, area, surface area, and volume of two- and three-dimensional figures.

Course Description: Geometry is the study of the properties, relations, and constructions of such figures as the point, line, angle, straight line figures and the circle. A study is made of the ratios and proportions. The meaning of proofs is heavily emphasized and the student is given a chance to provide basic and advanced theorems and ideas about segments, lines, and triangle similarity, among other topics. Constructions will be utilized whenever possible. By the end of this course, students will be able to recognize basic figures of geometry, identify and prove congruency and relationships of triangles, apply geometric measurements and dimensions, express geometric properties with equations, recognize and label polygons, find solutions using properties of circles, prove geometric theorems, and use trigonometric properties and ratios to solve for missing angles and side lengths in triangles, as well as applications of trigonometric properties.

2115 Geometry (Construction)

Prerequisite: By Referral.

Length of Course: 1 year

Credit Granted: 2 (1 per semester). Student receives one math credit and one elective credit.

Open to: 9th & 10th Limit of 20 students.

Course Aim: To explore concepts of Geometry using construction concepts in an apprenticeship manner.

Course Description: The common core aligned geometry curriculum is taught in the context of construction. The course is team taught by a math teacher and a technology teacher. The concepts within the course are organized to complement the skills and the knowledge needed in the building process starting with foundational concepts. The students in this course will have math days as well as build days. The course will provide students the opportunity to immediately apply what they

are learning in the classroom to what they are doing on the build site. The course integrates contextualized learning into both geometry and construction classes that are taken simultaneously by high school students. Geometry and construction teachers team teach the course with all of the mathematics content and sequence being driven by the various construction tasks. Students will receive two credits for this year long, blocked course; one elective credit, one math credit.

2106 Pre-Calculus, Weighted Course

Prerequisite: Algebra II

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 11th & 12th

Course Aim: Upon completing the course, students should be able to: Understand the definition of a function, basics of functions and their graphs, function operations, and function transformations, identify domains for the standard functions (power functions, including polynomial and root, rational, exponential, and trig), both symbolically and graphically, recognize various kinds of functions (including polynomial, rational, radical, exponential, and logarithmic functions), analyze their behavior, and use the properties of these functions to solve equations and application problems, define trigonometric functions; understand the right triangle trigonometry and unit circle, know and apply identities involving the trigonometric functions, recognize and solve systems of linear and nonlinear equations and inequalities, and recognize conic sections and their geometric properties.

Course Description: Pre-Calculus weaves together previous study of algebra, geometry, and mathematical functions into a preparatory course for calculus. The course focuses on mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include fundamental concepts of Algebra, functions and graphs, polynomials and rational functions, exponential and logarithmic functions, trigonometric functions, trigonometric identities and equations, systems of equations and matrices, conic sections and parametric equations, and an introduction to Calculus.

2108 Probability and Statistics, Weighted Course

Prerequisite: Algebra II

Length of Course: 1 year

Credits Granted: 1 (.5 per semester)

Open to 11th & 12th

Course Aim: Upon completing the course, students should be able to: summarize, represent, and interpret data on a single count or measurement variable, summarize, represent, and interpret data on two categorical and quantitative variables, interpret linear models, understand and evaluate random processes underlying statistical experiments, make inferences and justify conclusions from sample surveys, experiments and observational studies, understand independence and conditional probability and use them to interpret data, use the rules of probability to compute probabilities of compound events in a uniform probability model, calculate expected values and use them to solve problems, and use probability to evaluate outcomes of decisions.

Course Description: This course is designed to provide a basic understanding of descriptive and inferential statistics. Topics include the measures of central tendency, standard deviation, combinations and permutations, probability, sampling, and various distributions. Emphasis is on applications of statistical concepts.

2109 Calculus, Weighted Course

Prerequisite: Pre-Calculus

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 12th

Course Aim: Upon completing the course, students should be able to: find and use properties of limits, find and use rules of derivatives, apply properties of derivatives, use applications of derivatives, apply the Fundamental Theorem of Calculus, find and use properties of antiderivatives and integrals, and use applications of integration.

Course Description: Calculus is a course in single variable that includes techniques and application of the derivative and application of the definite integral and the Fundamental Theorem of Calculus. Students will find and use properties of limits and derivatives, apply properties of derivative, use derivatives in applications in the real world, and find and use properties of antiderivatives and integrals. Students have the option of taking the AP Calculus exam for college credit.

2130 Transitional Math

Prerequisite: Algebra I, Geometry, Algebra II

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 11th & 12th

Course Aim: To prepare students for a basic level college math.

Course Description: This course includes work in linear and quadratic equations, systems of equations, exponents, radicals, functional relationships, and logarithms. It also includes work in quantitative literacy, proportional reasoning, algebraic reasoning, and functions. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts.

2110 Math 110: Concepts of Mathematics Dual Credit (3 Credit Hours - Transfer Credit) - (Online Course)

Prerequisite: Must meet entrance requirements for course through college. Must have completed HS Algebra 2 with a grade of “C” or better.

Length of Course: 1 semester

Credit Granted: .5 FCHS credit (3 hours of College Credit)

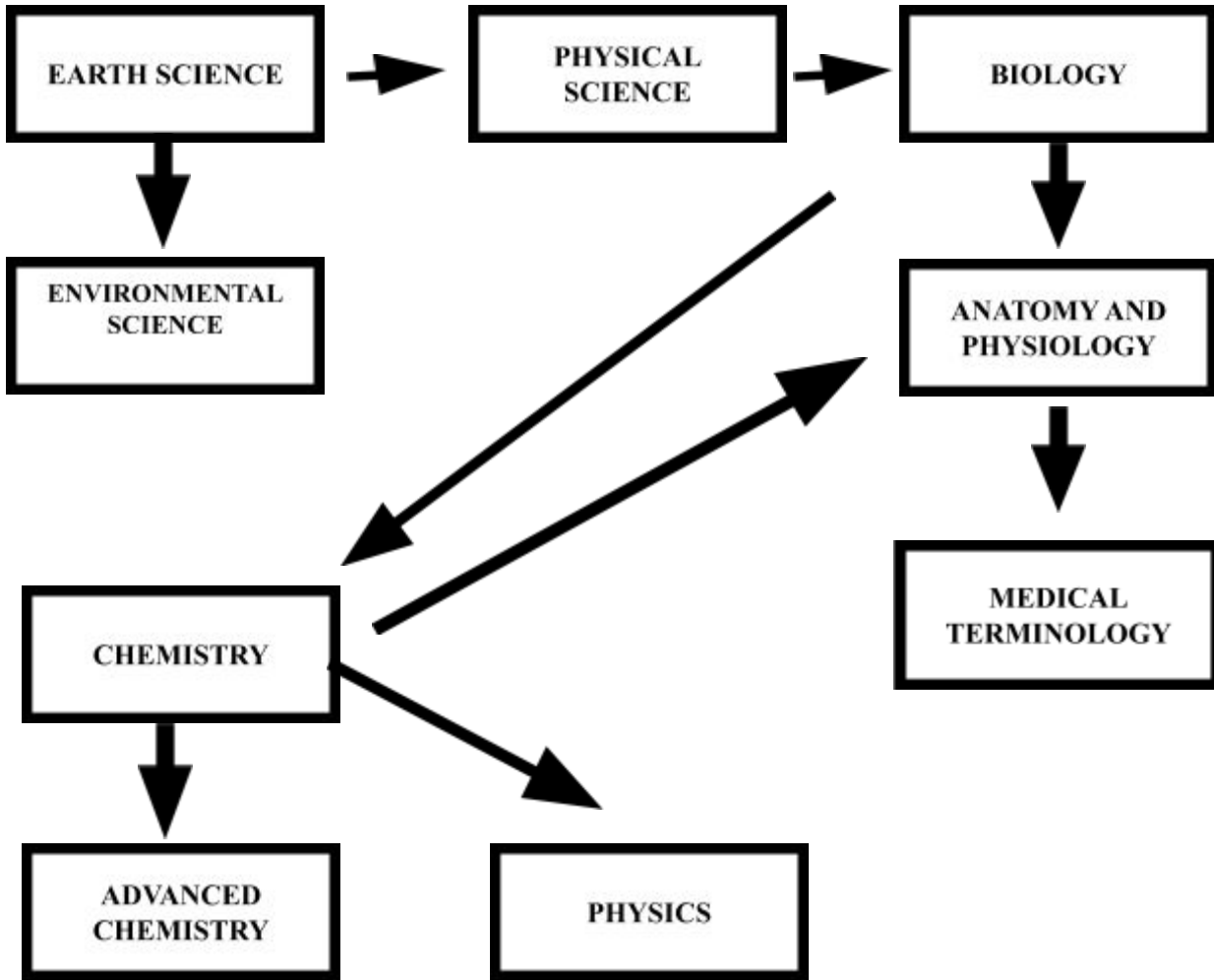
Open to: 11th & 12th

Course Description: This course introduces the nature of mathematics through a study of elementary logic, set theory, statistics, geometry, and the mathematics of finance. The course will focus on mathematical reasoning and real-life problem solving. Not intended as a survey course or math appreciation course.

***If students wish to take Pre-calculus AND calculus, they MUST double up and take Geometry as well as Algebra 2 during your Sophomore year.**

****If Algebra 1 was taken during 8th grade, it does not need to be retaken during the Freshman year. It also means the student may be eligible for Dual Credit College Math during their Senior year.**

SCIENCE COURSE FLOW CHART



Science Pathways

Farmington Career Requirements: 2 years of Science

Physical Science — 9th grade
 Biology
 Chemistry
 Earth Science/Environmental } 1 additional course
 10th – 12th grade

4-year College Entrance Requirements (for Illinois):

2-years of science including:
 Physical Science — 9th grade
 Biology — 10th grade
 Chemistry — 11th grade

Out of state: 3-years of science (must include physical science for wider range of acceptance)

Life Science Major

Medicine, Nursing, Health Care, etc.

Needed: Biology – 9th
 Chemistry – 10th
 Anatomy and Physiology – 11th
 Physics – 12th

And any combination of the following...

Advanced Chemistry
 Earth Science/Environmental Science

Physical Science Major

Engineer, Physicist, Meteorology, Mathematician, etc.

Needed: Biology – 9th
 Chemistry – 10th
 Physics – 11th
 Choice from below – 12th

And any combination of the following...

Anatomy and Physiology
 Advanced Chemistry
 Earth Science/Environmental Science

Recommend students take 2 math/science courses a year when entering a science field 10th-12th grade

* ALL science majors requires 4 years of Math*

SCIENCE COURSES

3101 Physical Science

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: All

Course Aim: To offer the student a background in science.

Course Description: Science Insights reinforces science content and concepts to help today's students make connections and meet their science learning needs. The program provides a series of worksheets that include vocabulary and section reviews, worksheets that stress science process skills, language arts and writing skills and decision-making skills. Assessment includes chapter tests featuring multiple-choice questions. The laboratory includes hands-on exploratory and decision-making investigations, surveys, and problem solving.

3102 Biology

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: All

Course Aim: Students will be introduced to the basic theories of life science.

Course Description: This course is an introduction to the basic biological principles of life. During this course, students will get an overview of cellular biology, genetics, heredity, evolution and ecology. Students will use scientific inquiry to help describe the world around them by asking questions, proposing hypotheses, designing experiments, analyzing data, and making conclusions based upon evidence.

3103 Anatomy and Physiology (Weighted Course)

Prerequisite: Biology

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 10th (with instructor's written approval), 11th & 12th who have taken Biology

Course Aim: To introduce students to the systems of anatomy and physiology.

Course Description: Anatomy and Physiology focuses on the structure and function of the mammalian body. It is recommended to students interested in college and/or health, medical, or life science fields. Students will investigate various body systems including the muscle system, skeletal system, integumentary system, digestive system, and urogenital system. Students in this course will advance their scientific literacy, engage in clinical studies, and advance their dissection techniques.

3106 Chemistry

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 10th, 11th, 12th

Course Aim: To introduce students to chemistry which involve the principles of matter and change.

Course Description: This course covers modern and traditional aspects of chemistry. Labs cover basic principles and properties of common elements. Study of the periodic chart, valence, solution and ionization, nuclear chemistry, equation writing, and both atomic and molecular structure are covered as well as the role of chemistry in our modern society.

3107 Advanced Chemistry, Weighted Course

Prerequisite: Chemistry

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 11th & 12th

Course Aim: To introduce students to chemistry which involve the principles of matter and change.

Course Description: Basic chemistry concepts will be expanded with more mathematics and more advanced topics. New topics will include solutions, chemical equilibrium, acids-bases-salts, gas laws, thermodynamics, organic compounds and reactions. Students will present formal laboratory reports.

7137 Medical Terminology - Dual Credit class with ICC - (Online Course)

Prerequisite: Biology, Chemistry, Physical Science

Length of course: 1 semester

Credit granted: .5 (FCHS) and three (3) hours of college credit.

Open to: 12th

Course Aim: To learn terms pertinent to the medical field.

Course Description: This course is a study of terminology used in all areas of medical and paramedical specialties. Emphasis is placed on word-building techniques and understanding of typical medical reports.

3108 Physics - Weighted Course

Prerequisite: Physical Science, Math (Geometry-Algebra II recommended)

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 11th & 12th

Course Aim: To introduce students to the principles of physics.

Course Description: Waves, light, motion, forces, energy, gravity, matter, space, and data analysis are just some of the topics studied in this lab-oriented course. Recommended for college bound students, especially those interested in engineering.

3110 Earth Science

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: All

Course Aim: To learn the physical characteristics of the earth.

Course Description: The Earth science course is designed to interpret and understand the world around us. In order to do so, students will investigate and study the interactions between the four major Earth's spheres, including the geosphere,

atmosphere, hydrosphere and biosphere in order to explain Earth's formation, processes, history, landscapes, how and why Earth changes over time. The course will also explore how current actions of man interact and affect Earth's spheres leading to local and global changes. Topics to be addressed include, but are not limited to, the scientific method, mapping Earth's surface, minerals, rocks, plate tectonics, earthquakes, volcanoes, geologic time, and meteorology. Students will participate in laboratory exercises, small group activities, web based investigations, class discussions, projects, and research.

3111 Environmental Science

Prerequisite: Earth Science

Length of Course: 1 year

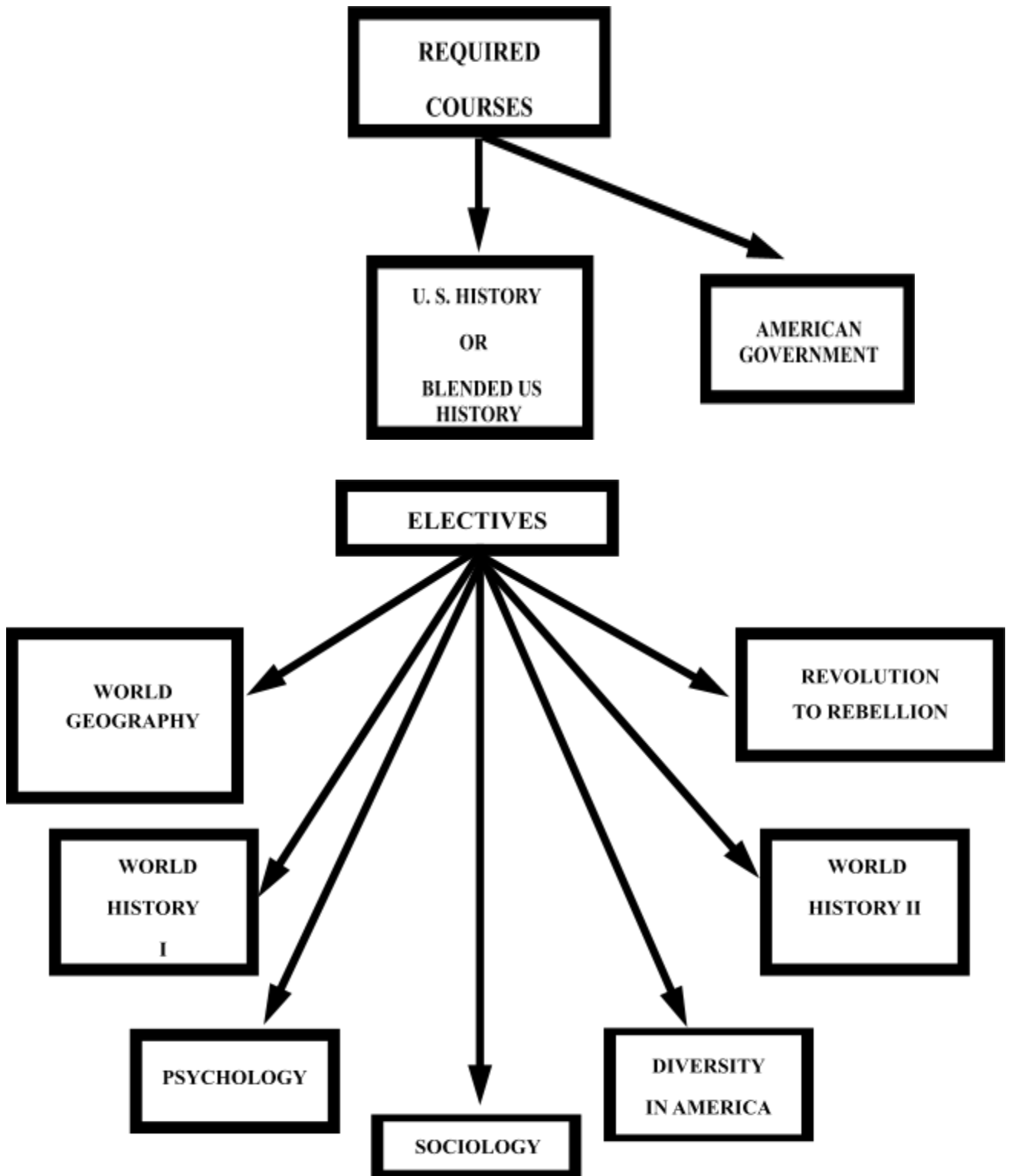
Credit Granted: 1 (.5 per semester)

Open to: 10th, 11th, 12th

Course Aim: To understand and appreciate and protect our environment.

Course Description: This course surveys key topic areas including the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct hands-on, unit-long research activities involving water quality, weather patterns and anomalies, as well as land use. They can expect to learn about political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions. Students will be expected to participate in field work and should be prepared to dress accordingly. Students will participate in laboratory exercises, small group activities, web based investigations, class discussions, projects, and research.

SOCIAL STUDIES COURSE FLOW CHART



SOCIAL STUDIES COURSES

4101-1 U.S. History I

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5 (Required for Graduation)

Open to: 11th & 12th

Aim of Course: To allow students the opportunity to: investigate change, continuity, & context of historical developments; identify & analyze individual, groups & institutions perspectives; analyze cause & effect through historical sources & additional evidence.

Course Description: This required course is a comprehensive study of the history of the United States. Ideas, people, events, & institutions will be investigated to draw conclusions on how they have shaped the United States. The first semester focuses on Reconstruction through the Roaring 20's. The following topics of study are incorporated & investigated as required by the State of Illinois: Ethnic Groups, Labor Unions, Holocaust/Genocide, African-American History, Women's History, Illegal Deportation during the Great Depression, & Congressional Medal of Honor.

4101-2 U.S. History II

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5 (Required for Graduation)

Open to: 11th & 12th

Aim of Course: To allow students the opportunity to: investigate change, continuity, & context of historical developments; identify & analyze individual, groups & institutions perspectives; analyze cause & effect through historical sources & additional evidence.

Course Description: This required course is a comprehensive study of the history of the United States. Ideas, people, events, & institutions will be investigated to draw conclusions on how they have shaped the United States. The second semester will be devoted to the Great Depression through the events of 9/11. The following topics of study are incorporated & investigated as required by the State of Illinois: Ethnic Groups, Labor Unions, Holocaust/Genocide, African-American History, Women's History, Illegal Deportation during the Great Depression, & Congressional Medal of Honor.

4120 Blended US History - Weighted Course

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 11th & 12th

Course Aim: To explore the diverse history of our nation. This class will utilize technology in an enriched curriculum designed for college bound students.

Course Description: This is a required one year course for all 11th and /or 12th. This course will allow students to have a better understanding of our nation's history. The events and people who have shaped America will be focused on. Twentieth Century American History and understanding the role of the United States in the world today will be the focus. This course includes a major textbook, additional reading sources, videos and community speakers.

4102 American Government

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5 (Required for Graduation)

Open to: 11th & 12th

Course Aim: To understand the principles of American Government.

Course Description: This is a required one semester course for all 11th and/or 12th. This course will allow students to have a better understanding of our local, state and federal governments and how they affect our everyday lives. Students will have to study and take the State and Federal Constitution Test. Time will also be spent on all aspects of different types of government, the Bill of Rights, additional reading sources, videos and community speakers.

4123 World Geography

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: All

Course Aim: To student and learn the physical geography, culture, and economic systems of the world.

Course Description: Students will study the physical geography, culture, past and present economic systems and current events of each region. Specific emphasis is placed on the economic systems used and efforts placed by each region to increase standards of living and each nation's status in the world community as well as the political turmoil that characterizes many of these regions.

4112 Revolution to Rebellion (Counts as a U.S. History credit)

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: All

Aim of Course: To allow students the opportunity to: investigate change, continuity, & context of historical developments; identify & analyze individual, groups & institutions perspectives; analyze cause & effect through historical sources & additional evidence.

Course Description: While America became a superpower in the 1900's, its mere existence was uncertain before and even during the American Revolution. We will examine the trials and tribulations of a fledgling nation: invasions, racial struggles, class divisions, labor unrest, and The Civil War. The bookend struggles of the Revolutionary War and the American Civil War will frame a century of constant change within the culture, borders, and hopes of our country. You will be introduced to the people who defended, united, entertained, and transformed the country in this amazing time of seemingly unlimited prospects. To understand our present we must understand our past; the America of today is more closely connected to our past than we may think.

4126-1 World History I

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: All

Course Aims: To survey and explore important moments in the history of the world.

Course Description: The changes brought by the fall of the Roman Empire are examined in the unique lifestyles of medieval Europe with its castles, knights and fair damsels. The clash of cultures brought by the Dark Ages and the rise of empires in Byzantium and Saudi Arabia are studied. The course ends with the achievements of the Renaissance and the Reformation.

4126-2 World History II

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: All

Course Aims: To survey and explore important moments in the history of the world.

Course Description: The course starts with the achievements of the Renaissance and the Reformation. It continues with the great changes brought to Europe and the world through revolutions: political, industrial, scientific and social, are the major focus of this course. Also, the effects of imperialism and world wars are examined.

4111 Psychology - Weighted Course

Prerequisite: None

Length of Course: 1 semester

Credit Granted: .5

Open to: 11th & 12th

Course Aims: To survey and understand patterns of human behavior.

Course Description: This course offers an introduction to psychology, including the study of the following topics: history of psychology, learning, memory, motivation and emotion, personality, and social psychology. Participation is a key component of this course. Good verbal and writing skills are needed. At the conclusion of the course, the student should not only have an understanding of the discipline with a solid preparation for subsequent course work in psychology, but also should have a better understanding of his own behavior and that of others.

4106 Diversity in America (Blended) - Weighted Course

Prerequisite: None

Length of Course: 1 year

Credit Granted: 1 (.5 per semester)

Open to: 11th & 12th

Course Aim: To explore the diversity of American history.

Course Description: Diversity in America is a partially-online course that will focus on women, LGBTQ, disabilities, and ethnic minorities in American History from post-civil war to modern times. Students will study their impact on the history of our nation from the suffrage movement to the Civil Rights Movement. The course will lead into current history/events where the political environment has clouded and challenged these groups. Assessments will be conducted online, while some lessons will have mandatory in-class attendance. Instructor will be available to meet in-person during class at students' request.

4127 Sociology Dual Credit (3 Credit Hours - Transfer Credit) - (Online Course)

Prerequisite: SAT READING AND MATH OF OVER 480

Length of Course: 1 semester

Credit Granted: .5 FCHS credit (3 hours of College Credit)

Open to: 11th & 12th

Course Description: This course utilizes the approaches of functionalism, conflict theory, and interactionism to analyze the structures and processes of group life in a scientific perspective. Major areas of inquiry include: theory and methodology, culture, social organizations, socialization, groups, institutions, formal organizations, collective behavior, and social change.

4128 Psychology Dual Credit (3 Credit Hours - Transfer Credit) - (Online Course)

Prerequisite: SAT READING AND MATH OF OVER 480

Length of Course: 1 semester

Credit Granted: .5 FCHS credit (3 hours of College Credit)

Open to: 11th & 12th

Course Description: This course will introduce the student to the fundamentals of physiological psychology, sensation and perception, learning, emotions and motivation, and psychological disorders and their treatment. The role of research and scientific method are emphasized throughout this course.

4129 American History To 1877 Dual Credit (3 Credit Hours - Transfer Credit) - (Online Course)

Prerequisite: Must meet entrance requirements for course through college.

Length of Course: 1 semester

Credit Granted: .5 FCHS credit (3 hours of College Credit)

Open to: 11th & 12th

Course Description: This course presents a survey of United States history from the European discovery to the close of the Reconstruction Era. It emphasizes the economic, cultural, and political factors which led to the development of one nation from the diversity of peoples. Topics studied are the religious and social structure of colonial America, the factors leading to the break with England, the democratization of America, Manifest Destiny, sectional and social tensions leading to the Civil War, Reconstruction, and the beginnings of industrialization.

4130 American History From 1877 Dual Credit (3 Credit Hours - Transfer Credit) - (Online Course)

Prerequisite: Must meet entrance requirements for course through college.

Length of Course: 1 semester

Credit Granted: .5 FCHS credit (3 hours of College Credit)

Open to: 11th & 12th

Course Description: This course is a survey of major economic, political, and social trends from the Reconstruction Era to the present. Among the topics examined are the growth of America as a major industrial and military power, the problems of minorities, the Cold War, and the post-Cold War era.

4103 American Politics & Government Dual Credit (3 Credit Hours - Transfer Credit) - (Online Course)

Prerequisite: Must meet entrance requirements for course through college.

Length of Course: 1 semester

Credit Granted: .5 FCHS credit (3 hours of College Credit)

Open to: 11th & 12th

Course Description: This course covers the origin, principles, organization, and functions of the American political system. It examines the legislative, executive, and judicial branches in the United States as well as the nature and purposes of the nation-state in a democratically oriented society. Topics covered include the Constitution, civil liberties and civil rights, the three branches of government, political parties, elections, and appropriate comparisons to Illinois Government.

WORK-BASED LEARNING (WBL): CONSTRUCTION PROGRAM 2020-2021

Purpose & Program Description:

Work-Based Learning (WBL) provides students with an opportunity to learn more about, and earn experience in, the trade industry. Students participate in this program in conjunction with Peoria P.E.R.F.E.C.T. - whose goal is to expose students to as many diverse vocational experiences as possible with the intention to assist them in becoming career-ready prior to leaving the high school setting.

Program Goal:

To bridge the skills gap one student at a time through hands-on learning with the collaborative effort of area high schools, Peoria P.E.R.F.E.C.T, TRICON and the Union Trades.

Course Timeline & Calendar:

- **FULL YEAR COURSE (Students will be enrolled in program for BOTH Fall and Spring Semesters)**
- Course takes place either during first or second half of the student's scheduled school day (Student will still take 4 courses at the HS)

Program Overview:

Students report to P.E.R.F.E.C.T. facility for classes/presentations and trade site visits:

FALL SEMESTER:

- OSHA 10-hour Certification
- First Aid/CPR Certification
- Exploration of 12 Different Trades
- Team Building & Aptitude Challenges

SPRING SEMESTER:

- Placement with Professional Contractor
- Project Manager/Site Supervisor Shadowing
- First-Hand Job Site Skills Practice
- Student Interest Survey
- Practice of Career Proficiency

Career Exposure:

Students have the opportunity to interact and learn from the following trade organizations **ON SITE**:

- Bricklayers Local 6
- Carpenters Local 237
- Cement Masons Local 18
- Electrician's Local 34
- Greater Peoria Contractors & Suppliers Association (Blueprint Reading)
- Ironworkers Local 112
- Laborers Local 165
- Operating Engineers Local 649
- Plumbers Local 63
- Roofers Local 69
- Sheet Metal Workers Local 1
- Steamfitters Local 353

Course Credit: 3 total credits (1.5 credits per semester)

Prerequisites & Student Requirements for Participation:

- Student must be a current Junior to register for the following academic year.
- At start of course, student must be classified as a Senior based on credits (must have 16.5 or more credits).
- Student must be in good academic standing with HS and have a clean disciplinary record and strong attendance.
- Student is responsible for their own transportation to P.E.R.F.E.C.T facility on a daily basis.

Registration Process:

- A select number of students are selected to participate each year based on program space availability (as determined by P.E.R.F.E.C.T.)
- Students will complete an application for participation in January of their Junior year. Applications will be distributed by their School Counselor.
- Student will be required to submit 3 teacher/counselor recommendation rating forms (distributed by counselor) to be considered as well as parent signatures for participation.
- Student will be notified prior to the end of their Junior year regarding acceptance to the program for their Senior year and schedule accommodations will be made accordingly.

Grades:

The student will be assigned a regular participation grade throughout the program. Grades are determined by the P.E.R.F.E.C.T. instructors and an overall grade will be added to the student's HS transcript at the end of each semester.

Cost to Student:

Cost for program covered by FCHS if student receives "C" or better in the course.

CERTIFIED NURSING ASSISTANT (CNA) PROGRAM 2020-2021 (Work Based Learning - Health Occupations Course)

Purpose & Program Description:

Farmington Central High School in cooperation with Illinois Central College (ICC) offers seniors the opportunity to learn about careers in Health Care and qualify to take the State Exam to become a Certified Nursing Assistant (CNA) prior to their high school graduation.

Program Goal:

Students will exit the program with eligibility to sit for the Nursing Assistant State Exam, CPR Certification, and earn college credits.

Course Timeline & Calendar:

- **1 SEMESTER (Either FALL or SPRING)**
- Student has option of taking morning or afternoon program.

NOTE: Student has possibility of taking Cooperative Education Program Spring semester to work as a CNA in the community if they complete the CNA program in the Fall

Course Credit:

Students receive 1 total credit for completion of the CNA course. The credit is divided into two portions on the their transcript - Orientation to Health Occupations (.5 credit) and Nursing Assistant (.5 credit).

Prerequisites & Student Requirements for Participation:

- Student must be a current Junior to register for the following academic year with an interest in pursuing a career in nursing or the healthcare field.
- At start of course, student must be classified as a Senior based on credits (must have 16.5 or more credits).
- Student must be in good academic standing with HS and have a strong attendance record.
- Student is responsible for their own daily transportation to ICC East Peoria campus.

Registration Process:

- If interested in participating, student will need to attend informational meeting during their Junior year.
- Students will complete an application for participation in January of their Junior year. Applications will be distributed by their School Counselor.
- Student will be notified prior to the end of their Junior year regarding acceptance into the program for their Senior year and arrangements will be made to accommodate program in their course schedule.

Grades:

The student will be assigned a grade for their participation in the program (each quarter) Grades are determined by ICC instructors and added to student's HS transcript at the end of each semester.

Cost to Student:

- Cost for program is covered by FCHS and Peoria P.E.R.F.E.C.T. **EXCEPT** book cost and patch. **Total cost to student is typically between \$80-\$100. Student will pay FCHS directly for all fees.**

DUAL CREDIT

PROGRAM OVERVIEW & REGISTRATION INFORMATION

Student Requirements for Class Participation:

- Student must apply and be accepted to the college(s) prior to registration for Dual Credit courses in the **SPRING** of the prior academic year. Students should work with their School Counselor and Dual Credit Program Coordinator at the college from which they are planning to take their course to make sure they have completed all necessary application procedures.
- Student must take all necessary entrance exams as required by the college (ex. Next Gen Accuplacer) and pass with the baseline score or above for each course.
- Student must be in good academic standing with HS and given permission to participate in the Dual Credit program through a HS official.
- Student must provide their own computer with internet access or utilize the facilities of the school during regular school hours. Inadequate access to technology is NOT an excuse for overlooking class assignments or deadlines.
- Student is responsible for reading and understanding class syllabus provided by the college and participating in online class assignments when instructed. Those participating in this online dual credit course must be self-driven, good at following directions, and able to remain organized and on-task under little direction from college professors.
- Student is responsible for regularly checking their college-assigned email as all course communications come to them electronically from the college.
- Student is required to communicate directly with instructor with questions or uncertainty about course.

Grades:

- Grades are issued by the college according to their grading scale.
- Grades will go on **BOTH** the student's HS transcript and their transcript at ICC/Carl Sandburg College.
- All dual credit classes will be counted as **WEIGHTED** towards the student's FCHS GPA.
- Students should be aware that by enrolling in a Dual Credit course they are officially establishing a running college GPA and permanent college transcript.

Registration Process:

- To register, students must discuss their course interest with their School Counselor and determine which classes they wish to enroll in. Students will determine BOTH their Fall and Spring semester dual credit courses during registration. **Please note: Some courses are offered at BOTH ICC and CSC, it is up to the student to determine which school they wish to complete the course through.**
- An official registration form must be completed and signed by the student and returned to their School Counselor to complete the registration process **during the prior semester. Class availability is not guaranteed if student attempts to register during current semester.**

Dropping Dual Credit Courses:

- If a student drops a Dual Credit course outside of the allotted 5 day course change window, he/she will be placed in a study hall if one is not currently present in the student's schedule or a PE class.
- The student is responsible for all fees charged after the outlined course drop period outlined by the college.

JUNIORS WISHING TO TAKE DUAL CREDIT:

Any students wishing to take Dual Credit coursework their Junior year must meet the following requirements:

1. Have a 3.3 Cumulative GPA or higher
2. Have approval from their School Counselor and one teacher recommendation. **Form must be completed for approval.**

DUAL CREDIT PROGRAM GUIDELINES

Farmington Central High School provides a variety of opportunities for high school students to accelerate their education. High school students who meet the necessary placement requirements and prerequisites may enroll in regularly scheduled courses offered on campus or at one of the many extension sites within the district. College courses offered at off-campus sites, including high schools, are of the same high quality, cover the same content, and have the same rigor as courses offered on a college campus.

The following guidelines apply to Dual Credit course offerings:

State Policies and Accreditation Standards: All state policies specified by the Illinois Community College Board, accreditation standards specified by the North Central Association, and local college policies that apply to courses, instructional procedures, and academic standards at the college apply to college-level courses offered by the college on campus, at off-campus sites, and at secondary schools. These policies, regulations, instructional procedures, and academic standards apply to students, faculty, and staff associated with these courses.

Instructors: The instructors for these courses will be selected, employed, and evaluated by collaborating colleges. Instructors will be selected local community college's full-time and/or adjunct faculty with appropriate credentials and demonstrated teaching competencies at the college level.

Qualifications of Students: Students selected for enrollment in college-level courses must have appropriate academic qualifications, a high level of motivation, and adequate time to devote to studying a college-level course. The students' course selections are made in consultation with high school counselors and/or principals and ordinarily are restricted to students in the junior and senior years of high school. The students will meet all college criteria and follow all college procedures for enrolling in courses.

Placement Testing and Prerequisites: Students enrolling in college-level courses must satisfy course placement tests or course prerequisites when applicable. This ensures that high school students enrolled in college-level courses have the same qualifications and preparation as other college students.

Course Outlines: The course outlines utilized for courses offered at secondary schools are the same as for courses offered on campus, and at other off-campus sites, and contain the content articulated with colleges and universities in the state of Illinois. Course prerequisites, descriptions, outlines, requirements, learning outcomes, and methods of evaluating students are the same as for on-campus offerings.

Dual Credit: The determination for whether a college course is offered for concurrent credit at the high school is made at the secondary level according to the policies and practices of the school district. (100 level or above and 3 credit hour minimum.) The main objective for offering college-level academic courses for high school students is to stimulate qualified secondary students to be challenged during their junior and/or senior year of high school and to allow them to have advanced college placement status when entering the college of their choice. A course(s) can be selected from transfer courses that have been articulated with senior institutions in Illinois or from the first-year courses in ICCB approved associate in applied science degree programs. The main objective in offering college-level occupational courses for high school students is to provide successful transitions from one educational experience to another, improving students' successful transition to high-skill, high-wage careers.

DUAL CREDIT OFFERINGS: 2020-2021

******All courses listed are offered ONLINE ONLY.******

Illinois Central College (ICC)

The following courses are offered for HS students only through the Carl Sandburg Dual Credit at a discounted rate.

MATH 110 - CONCEPTS OF MATHEMATICS (3 Credit Hours - Transfer Credit)

Course Description & Purpose:

This course introduces the nature of mathematics through a study of elementary logic, set theory, statistics, geometry, and the mathematics of finance. The course will focus on mathematical reasoning and real-life problem solving. Not intended as a survey course or math appreciation course.

Prerequisites:

- Completion of HS Algebra 2 with a grade of “C” or better
- NextGen Accuplacer Math Score of 267 or better or SAT Reading & Math Score of 480 or better

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**
- Course follows ICC School Calendar. All start and end dates are communicated to the student electronically through ICC email address upon registration.

Cost to Student:

- Price ranges from \$114 - \$190 depending on number of students enrolled in the course. Fee paid to FCHS.

PSY 110 - INTRODUCTION TO PSYCHOLOGY (3 Credit Hours - Transfer Credit)

Course Description & Purpose

Psychology is the scientific study of behavior and mental processes. This course will introduce the student to fundamentals of physiological psychology, sensation and perception, learning, emotions and motivation, and psychological disorders and their treatment. The role of research and scientific method are emphasized throughout the course.

Prerequisites:

- NextGen Accuplacer Reading Score of 259 or better or Equivalent SAT Score

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**
- Course follows ICC School Calendar. All start and end dates are communicated to the student electronically through ICC email address upon registration.

Cost to Student:

- Price ranges from \$114 - \$190 depending on number of students enrolled in the course. Fee paid to FCHS.

SOC 110 - INTRODUCTION TO SOCIOLOGY (3 Credit Hours - Transfer Credit)

Course Description & Purpose

This course utilizes the approaches of functionalism, conflict theory, and interactionism to analyze the structures and processes of group life in a scientific perspective. Major areas of inquiry include: theory and methodology, culture, social organizations, socialization, groups, institutions, formal organizations, collective behavior, and social change.

Prerequisites:

- NextGen Accuplacer Reading Score of 259 or better or Equivalent SAT Score

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**
- Course follows ICC School Calendar. All start and end dates are communicated to the student electronically through ICC email address upon registration.

Cost to Student:

- Price ranges from \$114 - \$190 depending on number of students enrolled in the course. Fee paid to FCHS.

BUS 110 - INTRODUCTION TO BUSINESS (3 Credit Hours - Transfer Credit)

Course Description & Purpose

This course covers the factual and informational survey of business designed to give the student a background for understanding the principles and practices governing the operation of modern business.

Prerequisites:

- NONE

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**
- Course follows ICC School Calendar. All start and end dates are communicated to the student electronically through ICC email address upon registration.

Cost to Student:

- Price ranges from \$114 - \$190 depending on number of students enrolled in the course. Fee paid to FCHS.

ART 110 - Art Appreciation (3 Credit Hours - Transfer Credit)

Course Description & Purpose

This course is a survey of the visual arts, exploring the nature, language and history of art, in relation to cultural, humanistic, and aesthetic values.

Prerequisites:

- NONE

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**
- Course follows ICC School Calendar. All start and end dates are communicated to the student electronically through ICC email address upon registration.

Cost to Student:

- Price ranges from \$76-\$127 depending on number of students enrolled in the course. Fee paid to FCHS.

HLTH 121 - MEDICAL TERMINOLOGY (2 Credit Hours - Transfer Credit)

Course Description & Purpose

This course is a study of terminology used in all areas of medical and paramedical specialties. Emphasis is placed on word-building techniques and understanding of typical medical reports.

Prerequisites:

- NextGen Accuplacer score of 237 or better or equivalent based on SAT exam score.

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**
- Course follows ICC School Calendar. All start and end dates are communicated to the student electronically through ICC email address upon registration.

Cost to Student:

- Price ranges from \$76-\$127 depending on number of students enrolled in the course. Fee paid to FCHS.

Carl Sandburg College

The following courses are offered for HS students only through the Carl Sandburg Dual Credit at a discounted rate.

ENG 101 - COMPOSITION I (COLLEGE ENGLISH) (3 Credit Hours - Transfer Credit)

Course Description & Purpose

This course progresses the student from writing analysis of and inquiring about issues to writing argumentative and persuasive compositions using research, through critical reading, discussion, exercises, conferences, and revision. The majority of the writing is argumentative. **This course is overseen by an instructor at FCHS but takes place 100% online. Students must pass an examination at the end of Semester one to proceed to ENG 102 and maintain a grade of “C” or better in the course.**

Prerequisites:

- NextGen Accuplacer score of 247 or greater or SAT score of 480 in Reading and Writing.

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL Only).**
- Course follows Sandburg School Calendar. All start and end dates are communicated to the student electronically through CSC email address upon registration.

Cost to Student:

- Student pays discounted fee of \$262.50 plus a \$25 registration fee (Total cost of \$287.50). **Fee billed and paid directly to Carl Sandburg College.**

ENG 102 - COMPOSITION II (COLLEGE ENGLISH) (3 Credit Hours - Transfer Credit)

Course Description & Purpose

This course progresses the student from writing analysis of and inquiring about issues to writing argumentative and persuasive compositions using research, through critical reading, discussion, exercises, conferences, and revision. The majority of the writing is argumentative. **This course is overseen by an instructor at FCHS but takes place 100% online.**

Prerequisites:

- Completion of ENG 101 Composition I with a grade of “C” or better
- Passing grade on end of semester ENG 101 exam

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered SPRING Only). Students must have completed ENG 102 in Fall Semester to enroll.**
- Course follows Sandburg School Calendar. All start and end dates are communicated to the student electronically through CSC email address upon registration.

Cost to Student:

- Student pays discounted fee of \$262.50 plus a \$25 registration fee (Total cost of \$287.50). **Fee billed and paid directly to Carl Sandburg College.**

PSY 101 - INTRODUCTION TO PSYCHOLOGY (3 Credit Hours - Transfer Credit)

Course Description & Purpose

This course is designed to provide an understanding of a variety of topics within the field of psychology (Not designed for students planning to major in Psychology, but for those with an interest in the scientific basis of behavior, thought, and the physiological processes that underlie each).

Prerequisites:

- NextGen Accuplacer score of 247 or greater or SAT score of 480 in Reading and Writing.

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**
- Course follows Sandburg School Calendar. All start and end dates are communicated to the student electronically through CSC email address upon registration.

Cost to Student:

- Student pays discounted fee of \$262.50 plus a \$25 registration fee (Total cost of \$287.50). **Fee billed and paid directly to Carl Sandburg College.**

SOC 101 - INTRODUCTION TO SOCIOLOGY (3 Credit Hours - Transfer Credit)

Course Description & Purpose

The purpose of this course is to acquaint the student with the discipline of sociology as it applies to contemporary American society. This course provides an orientation to the student interested in social science or the helping professions. Among specific topics to be studied are: how the sociologist gathers information, the importance of culture and symbols, personality development, the changing structure of the family, social class and inequality, race and ethnicity, and deviant behavior.

Prerequisites:

- NONE

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**
- Course follows Sandburg School Calendar. All start and end dates are communicated to the student electronically through CSC email address upon registration.

Cost to Student:

- Student pays discounted fee of \$262.50 plus a \$25 registration fee (Total cost of \$287.50). **Fee billed and paid directly to Carl Sandburg College.**

HIS 105 - American History To 1887 (3 Credit Hours - Transfer Credit)

Course Description & Purpose

This course presents a survey of United States history from the European discovery to the close of the Reconstruction Era. It emphasizes the economic, cultural, and political factors which led to the development of one nation from the diversity of peoples. Topics studied are the religious and social structure of colonial America, the factors leading to the break with England, the democratization of America, Manifest Destiny, sectional and social tensions leading to the Civil War, Reconstruction, and the beginnings of industrialization.

Prerequisites:

- None

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**
- Course follows Sandburg School Calendar. All start and end dates are communicated to the student electronically through CSC email address upon registration.

Cost to Student:

- Student pays discounted fee of \$262.50 plus a \$25 registration fee (Total cost of \$287.50). **Fee billed and paid directly to Carl Sandburg College.**

HIS 106 - American History From 1887 (3 Credit Hours - Transfer Credit)

Course Description & Purpose

This course is a survey of major economic, political, and social trends from the Reconstruction Era to the present. Among the topics examined are the growth of America as a major industrial and military power, the problems of minorities, the Cold War, and the post-Cold War era.

Prerequisites:

- Completion of HIS 105

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**
- Course follows Sandburg School Calendar. All start and end dates are communicated to the student electronically through CSC email address upon registration.

Cost to Student:

- Student pays discounted fee of \$262.50 plus a \$25 registration fee (Total cost of \$287.50). **Fee billed and paid directly to Carl Sandburg College.**

NUT 110 - Nutrition (3 Credit Hours - Transfer Credit)

Course Description & Purpose

This course is designed to introduce the student to the concepts and principles of nutrition emphasizing the role of nutrition in health while being able to identify food nutrients and their functions. Cultural, religious and geographical influences are discussed. Emphasis on current dietary recommendations for maximizing well-being and minimizing risk of chronic disease, focus on use of tables, food guides, and guidelines for making healthy food choices is integrated. Discussion also includes nutrition needs for stages of the lifecycle, methods for evaluating credibility of nutrition claims, safe and economic use of supplements, principles of energy balance, basic elements of food safety, diet for exercise and sports.

Prerequisites:

- One full year of High School Chemistry or Biology is required.

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**
- Course follows Sandburg School Calendar. All start and end dates are communicated to the student electronically through CSC email address upon registration.

Cost to Student:

- Student pays discounted fee of \$262.50 plus a \$25 registration fee (Total cost of \$287.50). **Fee billed and paid directly to Carl Sandburg College.**

POS 122 - American Government & Politics (3 Credit Hours - Transfer Credit)

Course Description & Purpose

This course covers the origin, principles, organization, and functions of the American political system. It examines the legislative, executive, and judicial branches in the United States as well as the nature and purposes of the nation-state in a democratically oriented society. Topics covered include the Constitution, civil liberties and civil rights, the three branches of government, political parties, elections, and appropriate comparisons to Illinois Government.

Prerequisites:

- None

Course Timeline & Calendar:

- **1 SEMESTER COURSE (Offered FALL or SPRING). Dependent upon availability of college instructors.**

- Course follows Sandburg School Calendar. All start and end dates are communicated to the student electronically through CSC email address upon registration.

Cost to Student:

- Student pays discounted fee of \$262.50 plus a \$25 registration fee (Total cost of \$287.50). **Fee billed and paid directly to Carl Sandburg College.**



FARMINGTON CENTRAL HIGH SCHOOL

Driver Education Parent Release Form

Student Name: _____ D.O.B: _____

Students in grades 9-12 are able to register for Drivers Education. We understand that it is a family decision to determine when a student is ready to start driving. Below you will find information on the course so you can make an informed decision regarding Drivers Education.

Course Description: The Driver Education Program will begin to lay the foundations of safe driving for a lifetime. The program will help students to gain the knowledge, skills and attitudes required to safely navigate the highway transportation. The driver education program is divided into two parts: classroom and behind-the-wheel. The classroom portion consists of lecture, discussion, activities, and video analysis. The behind-the-wheel portion consists of actual in-car driving with the instructor.

Aim of Course: The Driver Education course is a comprehensive program committed to preparing your young driver to be a safe operator in today's complex driving environment. In one way, this is the most important class your teenager will take all year. It's literally a matter of life and death. In the age group between 15 and 20, more lives are lost in auto crashes than by any other cause. Many of these deaths could be prevented if new drivers learned and applied the information and skills presented in this course. Our goal is to develop smart defensive driver's that accept and appreciate the responsibility of the driving task.

Prerequisite: Students must pass a minimum of eight courses in the previous two semesters before they will be allowed to take Drivers Education. This includes courses taken in their 8th grade year. In addition, the student must turn 15 during the semester they enroll in the course.

Cost: There is a fee for Driver's Education. This fee is included in school fees and should be paid at the start of the academic year.

I hereby give my permission for _____ to participate in
(Student Name)

Driver's Education during the 2019-2020 academic year.

Parent/Guardian Signature: _____ Date: _____

Please indicate the semester you would prefer your student to take Drivers Education:

FALL

SPRING

***This does NOT guarantee placement in desired semester

Farmington Central CUSD 265

Preparing locally, excelling globally, to build a stronger community

Krista Neave, High School Counselor

Academic P.E. Waiver Form

This form serves as official documentation that _____ has requested, and been approved for an academic P.E. waiver as a result of one of the following situations defined by section 105 ILCS 5/27-6 of the *School Code of Illinois*:

_____ *Ongoing participation in an interscholastic athletic program;*

_____ *Enrollment in academic classes required for admission to an institution of higher learning, provided that failure to take such classes would result in the pupil being denied admission to the institution of their choice;*

_____ *Enrollment in academic classes required for graduation, provided that failure to take such classes would result in the student being unable to graduate.*

OR

_____ *Enrollment in an ongoing marching band program for credit;*

Please check the appropriate option from the list above and indicate in the space provided the student's involvement for Fall and/or Spring semesters.

FALL: _____

SPRING: _____

By signing this form, all parties involved acknowledge their understanding of the necessity of this action and agree with its implementation.

Student Signature

Dennis McMillin, Principal

Parent Signature

Krista Neave, School Counselor

FCHS COURSE CHANGE REQUEST

Student Name:	Grade:	Date:
Parent E-mail:	Parent Phone:	

1. This is a request form only. There are no guarantees that your request will be granted.
2. Course change requests must be submitted no later than the **third** day of the semester.
3. All course changes will be final by the **fifth** day of the semester.
4. You will be notified if your request has been approved.
5. You must remain in the assigned classes until you are notified by the counselor.
6. Schedule change requests will be handled in the priority listed below; teachers initials or comments may be needed.
7. Approval of this request will be subject to course availability and master schedule flexibility.
8. Form must be completely filled out to be considered for a schedule change.

Classes are built upon student course requests and alternate requests. Elective requests after the fact will not be permitted.

REASON FOR REQUEST: (Check Appropriate Reason)			
1. Unassigned Period	4. Placement to More Appropriate Course Level		
2. Missing Graduation Requirement	5. Missing College Entrance Requirement		
3. Drop Dual Credit Course	6. Assigned to a Class Completed w/Passing Grade		

No other reasons for schedule changes will be considered (i.e. change in lunch/electives/teachers)

CHANGE REQUESTED:			
SEMESTER	DROP REQUESTED	ADD REQUESTED	ALTERNATE REQUESTED
S1	S2		
S1	S2		
S1	S2		
S1	S2		

Parent Signature Required: _____

COUNSELOR USE ONLY

Counselor Response:	
Your change has been processed.	
<ol style="list-style-type: none"> 1. Show this to affected teachers and return books/instructional materials no longer needed. 2. Your name will appear on the fine list if you do not return these items. 	
Your request does not fit into the above guidelines.	
OFFICE USE	
One or more of the courses you requested are full.	IEP: <input type="checkbox"/> Yes <input type="checkbox"/> No
Other: _____	Case Manager: _____

