



# **Belvidere Community Unit School District 100**

## **HIGH SCHOOL**

## **COURSE CATALOG & CAREER PLANNING GUIDE**

## **2016 – 2017**

**Belvidere High School  
1500 East Avenue  
Belvidere, IL 61008  
815 / 547-6345**

**Belvidere North High School  
9393 Beloit Road  
Belvidere, IL 61008  
815 / 544-2636**

**[www.district100.com](http://www.district100.com)**

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# INTRODUCTORY INFORMATION

This Course Catalog and Career Planning Guide contains information that will help you as you select your courses for high school. It includes course descriptions and suggested programs of study associated with your post high school interests.

As you read through this catalog, you will find information about graduation requirements, suggestions for planning your program of study, and information on the requirements for early graduation. The main section of this catalog contains brief descriptions of the courses offered in each of the high school. If you or your parents have questions as you select your courses and plan your schedules, please discuss these questions with your teachers and counselors.

Credits for courses are cumulative throughout high school. You need 24 credits to graduate from Belvidere Community Unit School District 100. One-half (0.5) credit is earned for each class passed each semester. Grade Point Averages (GPA) are computed at the end of each semester of each school year.

For assistance in planning your high school program, contact the guidance office at your middle school or high school.

Belvidere South Middle School 815/544-3175  
Belvidere High School 815/ 547-6345

Belvidere Central Middle School 815/ 544-0190  
Belvidere North High School 815/544-2636

Planning your high school program will be guided by completing the **FOUR-YEAR PLAN WORKSHEET** that is included in this Course Catalog and Career Planning Guide.

# GRADUATION REQUIREMENTS

<b>CLASSES OF 2016, 2017 and 2018</b>	
<b>English</b> English 9 (1 credit-writing intensive), English 10 (1 credit), English 11 (1 credit), and English 12 (1 credit) or English Electives (1 credit)	4 Credits
<b>Mathematics</b> Student must earn 3 credits of math. One of the credits needs to be Algebra and one needs to be Geometry	3 Credits
<b>Social Studies</b> US History (1 credit-writing intensive), Government (.5 credit), enrollment in World Studies (.5 credit)	2 Credits
<b>Science</b> Biology (1 credit) and Science Elective (1 credit)	2 Credits
<b>Physical Education</b>	3 Credits or qualify for a Physical Education Waiver
<b>Health</b>	.5 Credit
<b>Consumer Education</b>	.5 Credit
<b>Driver's Education</b>	.5 Credit
<b>Electives</b> One credit must be earned from Fine Arts, World Language, or Career and Technical Education	8.5
<b>Total Credits Required for Graduation</b>	<b>24 Credits</b>

<b>CLASSES OF 2019 and 2020</b>	
<b>English</b> English 9 (1 credit-writing intensive), English 10 (1 credit), English 11 (1 credit), and English 12 (1 credit) or English Electives (1 credit)	4 Credits
<b>Social Studies</b> US History (1 credit-writing intensive), Government (.5 credit) World Studies or Social Studies Elective (.5 Credit)	2 Credits
<b>Mathematics</b> Student must earn 3 credits of math. One of the credits needs to be Algebra and one needs to be Geometry	3 Credits
<b>Science</b> Biology (1 credit) and Science Elective (1 credit)	2 Credits
<b>Career Education</b>	.5 Credit
<b>Health</b>	.5 Credit
<b>Consumer Education</b>	.5 Credit
<b>Physical Education</b> Credits earned count toward elective requirement	Student must be enrolled each year of high school
<b>Electives</b> One credit must be earned from Fine Arts, World Language, or Career and Technical Education	11.5
<b>Total Credits Required for Graduation</b>	<b>24 Credits</b>

## **Early Graduation**

The provision for early graduation is as follows:

1. The student and parent or guardian shall initiate their request for early graduation in writing by filling out an Early Graduation form in the high school guidance office on or before March 15<sup>th</sup> and submit to the appropriate counselor, stating clearly the reasons.
2. The counselor shall review the written request, assess the student's credits , and determine whether early graduation is possible (provided they finish 7 semesters of school and meet all graduation requirements by the first day of second semester.) If, for any reason, all course and credit requirements for early graduation have not been completed, the student must enroll with a full time schedule of classes for the next semester.
3. If the student is eligible for further consideration, the Early Graduation form shall be forwarded, with the counselor's recommendation, to the Building Principal for the purpose of final administrative approval.
4. Students who are granted permission for early graduation shall be eligible to participate in graduation exercises.
5. A letter explaining the circumstances of early graduation will be sent to each parent/guardian of the early graduate.

**FOUR YEAR PLAN WORKSHEET**

DEPARTMENTS	9	10	11	12	Shading indicates required subjects	
	<u>SUBJECT/ CREDIT</u>	<u>SUBJECT/ CREDIT</u>	<u>SUBJECT/ CREDIT</u>	<u>SUBJECT/ CREDIT</u>	H.S. Graduation	College Admission
English	English 9 <u>1</u>	English 10 <u>1</u>	English 11 <u>1</u>	Eng 12 or Elective <u>1</u>	<u>4</u>	<u>4</u>
Math	Alg 1 or Geo Ac <u>1</u>	<u>1</u>	<u>1</u>		<u>3</u>	<u>3</u>
Science	Bio or Bio Ac <u>1</u>	<u>1</u>			<u>2</u>	<u>3</u>
Social Studies	World Studies <u>.5</u>		US History <u>1</u>	Government <u>.5</u>	<u>2</u>	<u>3</u>
PE	PE 9 / Health <u>1</u>	PE10 <u>1</u>	PE 11 <u>1</u>	PE 12 <u>1</u>	<u>4</u>	
<b>ELECTIVES</b>						<u>2</u>
Art, Music and World Language						
Business and Family & Cons Science						
Agriculture, Automotive, Building & Manufacturing Technology						
Pathways to Success						
	TOTAL CR _____	TOTAL CR _____	TOTAL CR _____	TOTAL CR _____	<b>24 CREDITS REQUIRED FOR GRADUATION</b>	

Consumer Ed

My current Career Goal is \_\_\_\_\_ . It will require \_\_\_\_\_ years of college or technical school.

Career information may be found in the Occupational Outlook Handbook at [www.bls.gov/oco](http://www.bls.gov/oco)

# EDUCATIONAL PROGRAM PLANNING

To be prepared for today's global economy, all students need training in communications, advanced mathematics, science, and technology. Our goal is to provide students with the skills and preparation needed to pursue their educational goals beyond high school.

The programs of study students may pursue in our district high schools are described below. Students and parents are encouraged to work with the guidance counselors at their high school to plan their programs of study.

## Minimum College Admission Requirements

<u>Credits</u>	<u>Subject</u>
4	<b>English</b> (reading, writing, listening, and speaking)
3	<b>Mathematics</b> (introductory through advanced algebra, geometry, & advanced math)
3	<b>Science</b> (laboratory sciences)
3	<b>Social Studies</b> (emphasis on history and government)
2	<b>World Languages, Music, Art, or Technical Education</b> (some schools may require 2 years of world language)

# COLLEGE ATHLETICS ELIGIBILITY

Students who wish to participate in college athletics must meet eligibility requirements for the athletic division in which they will participate. Please review the specific association's website for eligibility requirements.

**NCAA (National Collegiate Athletic Association)**  
**NAIA (National Association of Intercollegiate Athletics)**  
**NJCCA (National Junior College Athletic Association)**

**[www.eligibilitycenter.org](http://www.eligibilitycenter.org)**  
**[www.playnaia.org](http://www.playnaia.org)**  
**[www.njcaa.org](http://www.njcaa.org)**

As an example, a brief overview of NCAA requirements is included below:

## NCAA DIVISIONS I and II Initial-Eligibility Requirements

### Core Courses

**NCAA Division I** requires 16 core courses.

- Ten (10) core courses completed before the seventh semester seven (7) of the 10 must be in English, math or natural/physical science.
- These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average (GPA) improvement to meet initial-eligibility requirements for competition.
- A sliding scale is used to match test scores and core grade-point averages (GPA). The sliding scale for those requirements can be found at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). Students must have a minimum GPA of 2.3

**NCAA Division II** requires 16 core courses.

- A sliding scale is used to match test scores and core grade-point averages (GPA). The sliding scale for those requirements can be found at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).
- \* The current Division II core GPA requirement is a minimum of 2.0. This will change to 2.2 for athletes starting competition on or after August 1, 2018.

### **IMPORTANT:**

Only core courses that appear on a high school's list of NCAA approved courses are counted towards core GPA. Not all high school classes meet NCAA requirements. To determine approved courses, visit the NCAA Eligibility Center at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). BHS students should use school code 140-275 and BNHS students should use course code 140-279

#### **DIVISION I**

##### **Core Course Requirements**

4 years of English  
3 years of math (Alg 1 and higher)  
2 years of Natural/physical science  
1 year of addtl Eng, math or science  
2 years of social science  
4 years of addtl courses (any areas above, foreign language or comparative religion/philosophy)

#### **DIVISION II**

##### **Core Course Requirements**

3 years of English  
2 years of math (Alg 1 and higher)  
2 years of Natural/physical science  
3 years of addtl Eng, math or science  
2 years of social science  
4 years of addtl courses (any areas above, foreign language or comparative religion/philosophy)

### Test Scores

Students may use either an ACT or an SAT score. When you register for the SAT or ACT, **use the NCAA Eligibility Center code of 9999** to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.

The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science. Students who have tested more than once can combine the best sub scores for each section. The SAT score used for NCAA purposes combines all subtests. Because a re-designed SAT test will debut in March 2016, NCAA score charts will be adjusted. Students who have tested more than once can combine the best sub scores for each section



# **COURSE DESCRIPTIONS**

Students attending the Belvidere Community Schools shall be permitted to participate in education programs regardless of race, color, religion, sex, national origin, physical impairment or age.

# AGRICULTURAL SCIENCE TECHNOLOGY

Opportunities for students to gain careers in agriculture are unlimited. The Agricultural Technology Department prepares students for careers in all aspects of Agriculture. These include animal science, environmental science, production agriculture, horticulture, biotechnology, sales and service, research, communications, natural resource management, and conservation to name just a few. Whether students are college bound or plan to join the workforce, Agriculture will prepare them for life after high school.

FFA is an important part of Agriculture Science and offers many opportunities for student involvement. FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth, and career success through agricultural education. Students are encouraged, but not required, to join FFA.

Course No.	Course Name	Credit	Grade Level				Prerequisite
			9	10	11	12	
0600	Intro to Agriculture Industry	1.0	X				
0601	Agricultural Science	1.0		X			
0602	Animal Science (BSAA)	1.0			X	X	Biology
0611	Horticulture Production & Management	1.0			X	X	
0615	Botany (BSAA)	1.0			X	X	Biology
0825	Inter-related Co-op Classroom &VEI	1.0			X	X	See Course Description
0827	Inter-related Co-op Supervision	1.0			X	X	Concurrent enrollment in Inter-related Co-op

## AGRICULTURE TECHNOLOGY STRANDS

### Horticulture

- Grade 9 - Introduction to Agriculture Industry
- Grade 10 - Agricultural Science
- Grade 11 - Horticulture Production & Management
- Grade 12 - Botany (BSAA)

### Agricultural Science

- Grade 9 - Introduction to Agriculture Industry
- Grade 10 - Agricultural Science
- Grade 11 - Animal Science (BSAA)
- Grade 12 - Botany (BSAA)

## **AGRICULTURAL SCIENCE TECHNOLOGY**

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### ***0600 Introduction to Agriculture Industry*                      1 Credit                      *Grade 9***

Prerequisite:

In this class, students learn about the opportunities in Agriculture. All areas of agriculture are discussed and many opportunities are available for students to work outside the classroom. Field trips and lab activities are utilized when appropriate. Students spend about 1/4 of their time in lab. Topics include Natural Resource Management, Animal Science, Marine Biology, Food Science, and Horticulture. (18001A001, Introduction to the Agriculture Industry)

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### ***0601 Agricultural Science*    1 Credit    *Grades 10***

Prerequisite:

This project based orientation course builds on basic skills and knowledge gained in the Introduction to Agriculture Industry course. Major units of instruction include agricultural research, soil science, meat science, advanced plant science, biotechnology, and advanced animal science. Applied science and mathematics skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills through project based learning will be a focus. (18003A001, Basic Agricultural Science)

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### ***0602 Animal Science (BSAA)*    1 Credit    *Grades 11-12***

Prerequisite: Biology

The science of agriculture includes Animal Science, Plant and Soil relationships, and the interaction of Agriculture and the Environment. The emphasis in this class is on animal science for the production of food and fiber. Students are expected to complete an independent research project as part of their instruction. Science and math concepts are applied to problem solving in this class and students are encourage to used technology such as the Internet and computer based methods to assist in learning. (03999A000, Life and Physical Sciences Other)

**Credit earned in Animal Science will satisfy 1 year of science credit requirements.**

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### ***0611 Horticulture Production and Management*                      1 Credit    *Grades 11-12***

Prerequisite:

This course offers students opportunities to develop skills needed for employment in the Horticulture industry. Instruction includes both floriculture and landscaping. Units of study will include greenhouse management, growing crops in the greenhouse, care and handling of cut flowers, and floral design. Also included are landscape design, installation, and maintenance. Students will also learn nursery management and turf production. This course makes extensive use of the greenhouse facility. (18051A001, Horticulture Production and Management)

## **AGRICULTURAL SCIENCE TECHNOLOGY (CONTINUED)**

### **0615 Botany (BSAA)**

**1 Credit**

**Grades 11-12**

Prerequisite: Biology

Botany is intended to introduce students to some basic concepts of plant science. The emphasis is on plant physiology but other topics include: Genetics, Reproduction, Hydroponics, and Food Technology. Laboratory work is a major component of instruction and students will spend extensive time working in school greenhouse. Students are expected to complete an independent research project of their own design. Grades are based upon homework, lab reports, tests, and class/lab activities. (10507, BSAA Plant Science)

Botany challenges the student to apply the knowledge gained in the first semester and includes an in depth study of biotechnology. Grades are based upon tests, homework, and project evaluations. (03058A000, Botany)

**Credit earned in Botany will satisfy 1 year of science credit requirements.**

### **0825 Inter-related Co-op Classroom and VEI**

**1 Credit**

**Grades 11-12**

Prerequisite: The student must have a job by the third day of class. Job location must be a reasonable distance from the high school (at teacher discretion). Employment by relatives is not accepted. Students should have completed two years in a related vocational sequence in order to be accepted into this program. Good attendance is essential. A minimum of 12 credits is required to qualify for this program.

Virtual Enterprises International (VEI) is a global business simulation offered to students through a project-based learning environment that will foster 21<sup>st</sup> century job skills.. It is designed to assist students in the development of effective skills and attitudes through on the job training as each student is assigned a job within the virtual simulation. Work ethics will be emphasized. The student will learn how to progress and succeed in the fields of human resources, administrative duties, accounting, sales/marketing, management, and web design/social media. Career research is done so students better understand themselves and careers that match their interests. Students will have the opportunity to attend workshops and trade shows to expand on their skills and knowledge. (22153A001, Cooperative Education)

### **0827 Inter-related Co-op Supervision**

**1 Credit**

**Grades 11-12**

Prerequisite: Concurrent enrollment in Inter-related Co-op Classroom

This course provides practical job experience. The student will learn a salable skill and gain practical knowledge at the training station. The student must work in a school-approved job with a minimum of 15 hours per week and be evaluated by the supervisor four or more times a year. Conferences are held periodically with the students, employer, and coordinator. Paycheck stubs should be submitted as proof of employment and proof of hours worked. Employment by relatives is not permitted. (22153A001, Cooperative Education)

# AUTOMOTIVE, BUILDING, & MANUFACTURING TECHNOLOGY

The Automotive, Building, and Manufacturing Technology departments provide varied activities related to beginning career skills, adult coping skills, safe use of tools and machinery, and study of industry operations. Areas of study include automotive mechanics, electronics, building trades and drafting.

Number	Course Name	Credit	9	10	11	12	Prerequisite
09380	Activities in Technology	0.5	X	X			
0960	Introduction to Drafting 1 & 2	1.0	X	X	X	X	
09010	Introduction to Automobiles	0.5		X	X	X	
09810	Production Technology	0.5		X	X	X	
09800	Introduction to Construction	0.5		X	X	X	
0970	Automotive Technology	1.0		X	X	X	
0971	Advanced Automotive Technology	2.0			X	X	Automotive Technology
0967	Arch and Tech Drafting 1 & 2	1.0			X	X	Introduction to Drafting 2
0825	Inter-related Co-op Classroom and VEI	1.0			X	X	See Course Description
0827	Inter-related Co-op Supervision	1.0			X	X	Concurrent enrollment in Inter-related Co-op Classroom

## AUTOMOTIVE, BUILDING & MANUFACTURING TECHNOLOGY STRANDS

### Automotive Technology

- Grade 9 - Activities in Technology and/or Algebra 1
- Grade 10 - Automotive Technology
- Grade 11 - Advanced Automotive Technology
- Grade 12 - Inter-related Coop Classroom and VEI and Inter-related Co-op Supervision

### Drafting Technology

- Grade 9 -Activities in Technology
- Grade 10 -Introduction to Drafting 1&2
- Grade 11 -Arch & Tech Drafting 1
- Grade 12 -Arch & Tech Drafting 2

## **AUTOMOTIVE, BUILDING, AND MANUFACTURING TECHNOLOGY (CONTINUED)**

### **09380 Activities in Technology**

**.5 Credit**

**Grade 9-10**

Prerequisite:

Activities in Technology is a course designed to introduce students to four areas of technology: Communication, Transportation, Production, and Energy.

COMMUNICATION - includes units on drafting, graphic arts, telecommunication, and processing and communicating information with computers. Included are reproducing a graphic product.

TRANSPORTATION - includes units of land, water, air, space, and materials-handling transportation. Each unit will involve students in a wide variety of learning activities and experiences including things like designing an aerodynamic vehicle, building a submarine, evaluating wing designs, testing rockets for stability, and testing model cars.

PRODUCTION - includes units on materials and processes, manufacturing, construction, and servicing. Each unit will involve students in a wide range of activities and experiences. Students learning activities and experiences will include things like managing and organizing people; researching and developing products; producing and assembling goods; designing and building structures; generating plans and specifications; and marketing and distributing finished goods.

ENERGY - students learning experiences will include activities such as electrical power systems, building solar collectors, and constructing a wind generator. (21052A002, Introduction to Technology and Engineering-Industrial)

### **0960 Introduction to Drafting 1 & 2**

**1 Credit**

**Grades 9-12**

Prerequisite:

Introduction to Drafting 1 introduces students to mechanical drafting. The types of drawings that will be studied include: multi-views, pictorials, sections, and auxiliaries. A computer program for mechanical drafting will be introduced and used throughout the semester. (21102A001, Drafting)

Introduction to Drafting 2 introduces students to architectural drafting. The students will be able to design a set of house plans including floor plans, elevations, details, and a plot plan. A computer program for architectural drafting will be introduced and used throughout the semester. (021102A001, Drafting)

### **09010 Introduction to Automobiles**

**.5 Credit**

**Grades 10-12**

Prerequisite:

The purpose of this course is to familiarize students with how internal combustion engines work and the basic maintenance needed for an automobile to operate properly. During the first quarter students will learn the operation of an internal combustion engine by disassembly and reassembly of a small engine. During the second quarter students will learn basic automobile maintenance enabling them to become wise consumers and more knowledgeable automobile owners. **This course is NOT intended for students who want to progress through the complete automotive technology strand.** (20110A001, Small Engine Repair I)

## **AUTOMOTIVE, BUILDING, AND MANUFACTURING TECHNOLOGY (CONTINUED)**

### **09810 Production Technology**

**.5 Credit**

**Grades 10-12**

Prerequisite:

This course introduces students to the manufacturing industry through a group manufacturing activity. Students will be involved in all steps of the manufacturing process - from product idea through the finished product. Students will have the opportunity to use a wide variety of woodworking machines and tools in the production process. (13052A001, Production Technology)

### **09800 Introduction to Construction**

**.5 Credit**

**Grades 10-12**

Prerequisite:

This course provides students with the opportunity to learn common construction techniques in residential construction through the use of lab activities. Areas covered include: safety, masonry, framing, wall finishing, roof finishing, window and door installation, home wiring, and material estimation. (17002A000, Construction Comprehensive)

### **0970 Automotive Technology**

**1 Credit**

**Grades 10-12**

Prerequisite:

Semester 1: Introduction to Brakes/Chassis Systems – Students will study automotive suspension/steering, brake service, and vehicle service. Safety in the use of automotive hand tools, equipment, and chemicals is emphasized. Student will complete automotive industry theory and performance tasks for initial employment in the automotive service field or further training at a post-secondary school. (20104A001, Automotive Technician I)

Semester 2: Introduction to Electrical Systems/Engine Performance – Students will study basic engine repair, electrical/electronic systems, engine performance, and vehicle service. Safety in the use of automotive hand tools, equipment, and chemicals/oils is emphasized. Students will complete automotive industry theory and performance tasks for initial employment in the automotive service field or further training at a post-secondary school. (20104A001, Automotive Technician I)

## **AUTOMOTIVE, BUILDING, AND MANUFACTURING TECHNOLOGY (CONTINUED)**

### **0971 Advanced Automotive Technology      2 Credits/Double Period/Full Year Course      Grades 11- 12**

Prerequisite: Automotive Technology

Semester 1, Quarter 1: Automotive Electrical Fundamentals – Students will identify and interpret electrical system problems and determine necessary action. Methods and procedures for researching applicable vehicle and service information on electrical systems operations are studied. Students will be introduced to the diagnosis and repair of starting systems, charging systems, driver information systems, and electrical/electronic systems. The proper use of electrical testing equipment and special hand tools will be taught. Electrical components will be removed and installed on a variety of vehicles. Safety in the use of tools and equipment is emphasized. (20104A001, Automotive Technician I)

Semester 1, Quarter 2: Brakes – Students will identify and interpret brake system problems and determine necessary action. Diagnosis and repair of hydraulic systems, drum brakes, disc brakes, wheel bearings, parking brakes, and power assist units will be taught. Antilock brakes and traction controls will also be topics of instruction. Students will repair brakes and components on a variety of vehicles and use special tools and equipment. Safety in the use of tools/equipment and chemicals and fluids is emphasized. (20104A001, Automotive Technician I)

Semester 2, Quarter 3: Advanced Electrical Systems – Diagnosis and repair of horn and wiper systems, electrical accessories, and motor drive systems are taught. Students will apply knowledge learned in previous electrical courses and work on vehicles to repair electrical systems. Electrical systems associated with engine performance will be another topic of instruction. Engine performance includes computerized engine controls, ignition systems, and electrical wiring. Safety in the use of tools and equipment is emphasized. (20104A002, Automotive Technician II)

Semester 2, Quarter 4: Advanced Electrical and Engine Performance – Students will be introduced to general engine diagnosis, computerized engine controls, ignition systems, fuel/air induction, exhaust systems, emission controls, and engine related services. Special tools and testing equipment will be introduced and students will have the opportunity to work on a variety of vehicles. Students will apply knowledge learned in previous electrical courses and be introduced to diagnosing electronic circuit systems, module communication errors, and anti-theft systems. Safety is stressed in the use of tools and equipment and working on vehicles. (20104A002, Automotive Technician II)

Students completing the six high school automotive courses are encouraged to enroll in high school Cooperative/Apprenticeship Education during their senior year. Cooperative/apprenticeship Education will give students the opportunity to apply knowledge learned in high school courses and expand their technical skills and knowledge on the job. The combination of automotive courses and work experience will prepare students for a career in the automotive industry and/or post-secondary education.

### **0967 Architecture and Technical Drafting 1&2      1 Credits      Grades 11-12**

Prerequisite: Introduction to Drafting 2

Activities in this course allow students who wish to pursue drafting as a career, to spend time developing their drafting skills. The course content includes the application of industry standards in both architectural and mechanical design. Computer programs will be used to aid in the production of drawings. (21103A001, 21103A002, Architectural Drafting I, Architectural Drafting II)



## **AUTOMOTIVE, BUILDING, AND MANUFACTURING TECHNOLOGY (CONTINUED)**

### **0825 Inter-related Co-op Classroom and VEI      1 Credit      Grades 11-12**

Prerequisite: The student must have a job by the third day of class. Job location must be a reasonable distance from the high school (at teacher discretion). Employment by relatives is not accepted. Students should have completed two years in a related vocational sequence in order to be accepted into this program. Good attendance is essential. A minimum of 12 credits is required to qualify for this program.

Virtual Enterprises International (VEI) is a global business simulation offered to students through a project-based learning environment that will foster 21<sup>st</sup> century job skills.. It is designed to assist students in the development of effective skills and attitudes through on the job training as each student is assigned a job within the virtual simulation. Work ethics will be emphasized. The student will learn how to progress and succeed in the fields of human resources, administrative duties, accounting, sales/marketing, management, and web design/social media. Career research is done so students better understand themselves and careers that match their interests. Students will have the opportunity to attend workshops and trade shows to expand on their skills and knowledge. (22153A001, Cooperative Education)

### **0827 Inter-related Co-op Supervision      1 Credit      Grades 11-12**

Prerequisite: Concurrent enrollment in Inter-related Co-op Classroom and VEI

This course provides practical job experience. The student will learn a salable skill and gain practical knowledge at the training station. The student must work in a school-approved job with a minimum of 15 hours per week and be evaluated by the supervisor four or more times a year. Conferences are held periodically with the students, employer, and coordinator. Paycheck stubs should be submitted as proof of employment and proof of hours worked. Employment by relatives is not permitted. (22153A001, Cooperative Education)

# BUSINESS EDUCATION TECHNOLOGY

The Business Education curriculum includes a variety of courses aimed at preparing students for success in the business world in secretarial, accounting, general office, information processing and marketing careers. Business Education Technology classes prepare students for success in the post-high school world.

Number	Course Name	Credit	9	10	11	12	Prerequisite
07010	Career Planning	.5	X				
07400	Computer Applications	.5	X	X	X	X	
07300	Introduction to Business 1	.5	X	X	X	X	
07310	Introduction to Business 2	.5		X	X	X	Introduction to Business 1
07220	Marketing	.5		X	X	X	Intro to Business 2 and the application and selection process for working in the school store
07600	Information & Software Systems 1	.5		X	X	X	Computer Applications
07620	Information & Software Systems 2	.5		X	X	X	Computer Applications
07640	Advanced Information & Software Systems 3	.5		X	X	X	Inf & Sftwr Systems 1
07660	Advanced Information & Software Systems 4	.5			X	X	Inf & Sftwr Systems 1 and 2
07280	Consumer Education	.5		X	X	X	
07230	Salesmanship	.5		X	X	X	
07480	Digital Media Development	.5		X	X	X	Computer Applications
0750	Beginning Accounting	1.0		X	X	X	
0752	Advanced Accounting	1.0			X	X	Beginning Accounting Note: It is advisable that students enrolling in this course have earned at least a C in Beginning Accounting
0754	Web Development	1.0		X	X	X	Computer Applications Note: It is advisable that students enrolling in this course have earned at least a C in Computer Applications.
07560	Web Development 2	.5			X	X	Web Development
07260	Business Law	.5		X	X	X	
0712	Business Coop Classroom & VEI	1.0			X	X	See Course Description
0714	Business Coop Supervision	1.0			X	X	Concurrent enrollment in Business Coop Classroom

## **BUSINESS EDUCATION TECHNOLOGY (CONTINUED)**

### **07010 Career Planning**

**.5 Credit**

**Grade 9**

Prerequisite: None

Career education is a required Freshman course that gives students an opportunity to explore future possibilities. This class educates students on how to define success for themselves, understand their passions and the things in life that they truly value, and to apply this learning to their future growth toward that success. Students use Career Cruising extensively along with various other personality tests and curriculum designed to develop skills and create a long term education growth plan. Each student receives a Career Cruising account to build and enhance throughout high school. The course helps them to identify careers that match their skills and personality. It also helps them identify their educational path, whether it be vocational, technical or college.

## **BUSINESS EDUCATION TECHNOLOGY STRANDS**

### **Accounting**

- Grade 9 - Computer Applications, Introduction to Business 1
- Grade 10 - Beginning Accounting
- Grade 11 - Advanced Accounting
- Grade 12 - Business Coop

### **Marketing**

- Grade 9 - Introduction to Business 1, Computer Applications
- Grade 10 - Introduction to Business2-Marketing, Salesmanship, Digital Media Development
- Grade 11 - Marketing
- Grade 12 - Beginning Accounting, Business Coop

### **Computer Technology**

- Grade 9 - Introduction to Business 1, Computer Applications
- Grade 10 - Information & Software Systems 1 & 2, Digital Media Web Development
- Grade 11 - Web Development 2
- Grade 12 - Business Coop,

## **BUSINESS EDUCATION TECHNOLOGY (CONTINUED)**

### **07400 Computers Applications**

**.5 Credit**

**Grades 9-12**

Prerequisite:

Computer Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. 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, and desktop publishing. Students will explore topics related to computer concepts, operating systems, telecommunications and current technologies. Students will develop employment skills as well as an understanding of ethical considerations that arise in using information processing equipment and gaining access to available databases. (10004A001, Computer Concepts & Software Applications)

### **07300 Introduction to Business 1**

**.5 Credit**

**Grades 9-12**

Prerequisite:

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, information 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 this course. (12001A001, Business and Technology Concepts)

### **07310 Introduction to Business 2**

**.5 Credit**

**Grades 10-12**

Prerequisite: Introduction to Business 1

In this course students will be introduced to careers in the fields of marketing and management. Some of the marketing principles studied include: product, price, place, promotions, human relations and communication skills, and economic principles as they apply to marketing. Small group oriented instruction and the opportunity for involvement in DECA (the business and marketing student leadership organization) will allow student to gain authentic "hands on" experience. This course will provide students with a strong foundation for further study in the areas of business, marketing and management during their high school years. (12001A001, Business and Technology Concepts)

### **07220 Marketing**

**.5 Credit**

**Grades 10-12**

Prerequisite: Introduction to Business 2 and the application and selection process for working in the school store

Marketing is for those students who are serious about pursuing careers in the fields of business and marketing. This course is a marketing lab in which students, using knowledge from previous business courses, are responsible for running the school store at their high school. Students will learn various aspects of running a business such as customer service, pricing, promotional activities, bookkeeping, sales, venter relations, buying, and human resources. (12164A001, Product-Oriented Marketing)

## **BUSINESS EDUCATION TECHNOLOGY (CONTINUED)**

### **07600 Information & Software Systems 1**

**.5 Credit**

**Grades 10-12**

Prerequisite: Computer Applications

Information & Software Systems 1 is designed to increase students' opportunities to succeed in work after graduation or continue their education at a community college or university. Students will learn to make decisions, to produce professional documents, to communicate via the internet, and to do research. Microsoft software, required by business and colleges/universities, is covered in the course. Software instruction includes Word and Excel. Students who successfully complete the course may elect to sit for Microsoft Office Specialist Core Certification. (10005A001, Information Processing I)

**07620 Information & Software Systems 2 .5 Credit Grades 10-12**

Prerequisite: Computer Applications

This is a skill level course designed to increase students' opportunities to succeed in work after graduation or to continue their education at a community college or university. Students will learn to make decisions, produce professional documents, communicate via the internet, and do research. Microsoft software required by business and colleges/universities is covered in the course. Software instruction includes PowerPoint, Access, and Outlook. Students who successfully complete the course may elect to sit for Microsoft Office Specialist Core Certification. (10005A001, Information Processing I)

**07640 Advanced Information and Software Systems 3 .5 Credit Grades 10-12**

Prerequisite: Information & Software Systems 1

Information and Software Systems 3 is for all students. Course content includes formatting documents by drawing in a document and using clip art. Students will also be able to manage long documents. A course portfolio is required and teachers will work with students to develop specific course goals, based upon the student's career and educational goals. The course is designed to increase students' opportunities to succeed in work after graduation or continue their education at a community college or university. Students successfully completing the course may elect to sit for Microsoft Office Word Specialist Certification. (10005A002, Information Processing II)

**07660 Advanced Information and Software Systems 4 .5 Credit Grades 11-12**

Prerequisite: Information & Software Systems 1 and 2

Information and Software Systems 4 is for all students. Course content includes advanced work in PowerPoint and intermediate and advanced work in Excel. In PowerPoint students will learn how to create slides automatically, how to create custom colors and animation, add tables/video/sound, and modify charts/tables. In Excel students will learn how to create, modify and customize charts. Students will also create the decision making functions, analyze worksheets, and create and work with interactive Web documents. A course portfolio will be created and teachers will work with students to develop specific course goals. Based upon the student's career and educational goals. The course is designed to increase students' opportunities to succeed in work after graduation or continue their education at a community college or university. Students successfully completing the course may elect to sit for Microsoft Office Specialist PowerPoint and Excel Certification. (10005A001, Information Processing II)

**07280 Consumer Education .5 Credit Grades 10-12**

Prerequisite:

This class fulfills the consumer education requirement for graduation. It is designed to help students better understand the marketplace through the study of consumer rights, checking accounts, and the banking system, budgeting, insurance, wise shopping, credit, real estate, consumer fraud, and income tax, investing, etc. **THIS COURSE MAY NOT BE TAKEN BY STUDENTS WHO HAVE HAD ECONOMICS FOR LIVING (Economics of Marriage). (22210A000, Consumer Economics/Personal Finance)**

## **BUSINESS EDUCATION TECHNOLOGY (CONTINUED)**

### **07230 Salesmanship .5 Credit Grades 10-12**

Prerequisite:

Salesmanship is a course recommended for any student interested in learning the art of selling. The most important thing to sell is you – in an interview, on the job, to the public and, of course, in a sales field. All aspects of selling will be taught, including the seven steps of the sale, overcoming objections, feature-benefit selling, product presentation, and closing the sale. There is an art to successful selling and students will learn not only the process but the psychology behind selling. Students will also learn about the techniques of negotiation. (12164A001, Product Oriented Marketing)

### **07480 Digital Media Development .5 Credit Grades 10-12**

Prerequisite: Computer Applications

This course is designed to teach students how to create professional Multimedia documents. The topics include how to use fonts and clip art effectively, and how to arrange text and graphics on the page. Examples of documents include: letters, brochures, business cards, fliers, posters, greeting cards, banners, newsletters, booklets, presentations, and reports. Students will compile a digital portfolio to use with future employers or a college admissions office. (10201A002, Web Page and Interactive Media Development II)

### **0750 Beginning Accounting 1 Credit Grades 10-12**

Prerequisite:

A class designed to prepare students for employment in business as beginning bookkeepers. It also provides a background for students who wish to study accounting in college. The class provides an introduction to the theory of accounting and enables students to do simple bookkeeping for a business. The student studies the basic bookkeeping cycle of service business using a general journal and cash journal; and of a merchandising business using a combination journal and subsidiary ledgers. The class covers payroll systems, special journals, sales tax, depreciation, bad debts, notes accrued income and expenses, partnerships and corporations. The student completes one practice set during the year. (12104A001, Accounting I)

### **0752 Advanced Accounting 1 Credit Grade 11-12**

Prerequisite: Beginning Accounting Note: It is advisable that students enrolling in this course have earned at least a C in Beginning Accounting.

A class requiring a C or better in Beginning Accounting. It emphasizes the need for the ability to interpret bookkeeping data, how each kind of business transaction affects the balance sheet and the income statement and how these statements are interpreted to report on the condition and progress of a business. This course is similar to a beginning college course in accounting. Some topics covered are: basic structure of accounting for a merchandising enterprise, receivables, payables, inventories, deferrals, accruals, plant assets, intangible assets, corporations, control accounting, decision making, and income tax and its effect on business decisions. (12104A002, Accounting II)

### **0754 Web Development 1 Credit Grades 10-12**

Prerequisite: Computer Applications Note: It is advisable that students enrolling in this course have earned at least a C in Computer Applications.

This advanced course is designed for students interested in learning how to design and develop Web pages and Web sites. The course covers Web design, copyright, and marketing topics; as well as HTML programming, and HTML code generators. Additionally students will learn about Web graphics and scripting languages used to create exciting Web pages. The software currently being used for this course is Adobe, Dreamweaver, Photoshop, and Flash. The ability to work independently and follow through on tasks is essential. (10201A001, Web Page and Interactive Media Development I)

## **BUSINESS EDUCATION TECHNOLOGY (CONTINUED)**

### **07560 Web Development 2**

**.5 Credit**

**Grade 11-12**

Prerequisite: Web Development

In this course students will have the opportunity to further their skills in Web Design. Specifically, they will utilize Adobe Dreamweaver, Flash, and Photoshop to further their skills in each of these programs. Students will learn to edit and inset a video into a website utilizing Sony Vegas Movie Studio. The majority of the semester will be spent completing projects which may include: creating club websites, teacher websites, enhancing the school website, and other school needs. (10201A002, Web Page and Interactive Media Development II)

### **07260 Business Law**

**.5 Credit**

**Grade 10-12**

Prerequisite:

This course treats basic fundamentals rather than overemphasizing the technical details of professional business law. Topics covered: Law as it relates to society, minors, and consumers; contracts; bailments (liability and responsibility when loaning or borrowing property); buyer and seller relationships, and insurance. This course emphasizes the laws affecting the businessperson and the consumer through the study of case problems. The intent of the course is not to make legal experts out of the students, but rather to inform them of the legal entanglements that may arise because of ignorance of the laws affecting business transactions. The majority of the homework in this course consists of reading. (12054A001, Business Law)

### **0712 Inter-related Co-op Classroom and VEI**

**1 Credit**

**Grades 11-12**

Prerequisite: The student must have a job by the third day of class. Job location must be a reasonable distance from the high school (at teacher discretion). Employment by relatives is not accepted. Students should have completed two years in a related vocational sequence in order to be accepted into this program. Good attendance is essential. A minimum of 12 credits is required to qualify for this program.

Virtual Enterprises International (VEI) is a global business simulation offered to students through a project-based learning environment that will foster 21<sup>st</sup> century job skills.. It is designed to assist students in the development of effective skills and attitudes through on the job training as each student is assigned a job within the virtual simulation. Work ethics will be emphasized. The student will learn how to progress and succeed in the fields of human resources, administrative duties, accounting, sales/marketing, management, and web design/social media. Career research is done so students better understand themselves and careers that match their interests. Students will have the opportunity to attend workshops and trade shows to expand on their skills and knowledge. (22153A001, Cooperative Education)

### **0714 Inter-related Co-op Supervision**

**1 Credit**

**Grades 11-12**

Prerequisite: Concurrent enrollment in Inter-related Co-op Classroom and VEI

This course provides practical job experience. The student will learn a salable skill and gain practical knowledge at the training station. The student must work in a school-approved job with a minimum of 15 hours per week and be evaluated by the supervisor four or more times a year. Conferences are held periodically with the students, employer, and coordinator. Paycheck stubs should be submitted as proof of employment and proof of hours worked. Employment by relatives is not permitted. (22153A001, Cooperative Education)

# COMPUTER SCIENCE

The computer science courses are designed to meet the needs of different groups of students. The introductory courses are for those students who want a general understanding of computers. The Information Technology courses utilize the CISCO Networking Academy program, which is designed to teach students the skills needed to design, build and maintain small-to-medium-size networks. The program provides students with the opportunity to enter the workforce with industry certification and/or further their education and training in the computer-networking field.

Number	Course Name	Credit	9	10	11	12	Prerequisite
0754	Web Development	1.0		X	X	X	Computer Applications Note: It is advisable that students enrolling in this course have earned at least a C in Computer Applications.
07560	Web Development 2	.5			X	X	Web Development
0270	AP Computer Science A (Counts as Math credit)	1.0		X	X	X	Algebra 2 or Algebra 2 Accelerated or Concurrent enrollment in Algebra 2

## **0754 Web Development 1 Credit Grades 10-12**

Prerequisite: Computer Applications Note: It is advisable that students enrolling in this course have earned at least a C in Computer Applications.

This advanced course is designed for students interested in learning how to design and develop Web pages and Web sites. The course covers Web design, copyright, and marketing topics; as well as HTML programming, and HTML code generators. Additionally students will learn about Web graphics and scripting languages used to create exciting Web pages. The software currently being used for this course is Adobe, Dreamweaver, Photoshop, and Flash. The ability to work independently and follow through on tasks is essential. (10201A001, Web Page and Interactive Media Development I)

## **07560 Web Development 2 .5 Credit Grade 11-12**

Prerequisite: Web Development

In this course students will have the opportunity to further their skills in Web Design. Specifically, they will utilize Adobe Dreamweaver, Flash, and Photoshop to further their skills in each of these programs. Students will learn to edit and inset a video into a website utilizing Sony Vegas Movie Studio. The majority of the semester will be spent completing projects which may include: creating club websites, teacher websites, enhancing the school website, and other school needs. (10201A002, Web Page and Interactive Media Development II)

## **0270 AP Computer Science A 1 Credit Grades 10-12**

Prerequisite: Algebra 2 or Algebra 2 Accelerated or Concurrent enrollment in Algebra 2

This course leads to Advanced Placement testing in Computer Science; however taking the AP test is not required. This course is recommended for accelerated mathematics students and any student entering a math, business, or science-related field. This is NOT a web page design class. It is an object-oriented programming class with an emphasis on problem solving using Java. Java is a programming language that is currently being used all over the world for developing software. For programs that need to operate over the Internet it is often the programming language of choice. Topics covered include all those listed in the AP Computer Science subset which are program design, class design, programming constructs, implementation techniques, testing and debugging, inheritance, exceptions, strings, searching and sorting, and a case study. Other topics covered include formatting output and graphics. This course is offered biannually. **Credit earned from AP Computer Science A counts toward math graduation requirements.**



## FAMILY AND CONSUMER SCIENCES

The Consumer and Family Sciences Department offers an elective program with an emphasis on life skills. The capstone of the Consumer and Family Sciences program is the work-study program entitled Inter-Related Co-op.

Number	Course Name	Credit	9	10	11	12	Prerequisite
08000	Nutrition & Culinary Arts 1	.5	X	X	X	X	
08040	Introduction to Child Care	.5	X	X	X	X	
08030	Nutrition & Culinary Arts 2	.5		X	X	X	Culinary Arts 1
08100	Child Growth & Development	.5		X	X	X	Introduction to Child Care
08200	Commercial Foods/Pro Start	1.0			X	X	Culinary Arts 2 Note: It is advisable that students enrolling in this course have earned at least a C in Culinary Arts 2.
08060	Primary Teaching Internship	.5			X	X	Child Growth & Development Note: It is advisable that students enrolling in this course have earned at least a C in Child Growth & Development.
08150	Parenthood Education	.5			X	X	
08120	Adult Living	.5			X	X	
0825	Inter-related Co-op Classroom and VEI	1.0			X	X	See Course Description
0827	Inter-related Co-op Supervision	1.0			X	X	Concurrent enrollment in Inter-related Co-op Classroom

### FAMILY AND CONSUMER SCIENCES - TECHNICAL STRANDS

#### Child Care

- Grade 9 - Nutrition & Culinary Arts1, Introduction to Child Care
- Grade 10 - Child Growth and Development
- Grade 11 - Primary Teaching Internship, Parenthood Education
- Grade 12 - Adult Living, Inter-related Coop

#### Food Service

- Grade 9 - Nutrition & Culinary Arts 1
- Grade 10 - Nutrition & Culinary Arts 2
- Grade 11 - Commercial Foods
- Grade 12 - Inter-related Co-op

## **FAMILY AND CONSUMER SCIENCES (CONTINUED)**

### **08000 Nutrition & Culinary Arts 1**

**.5 Credit**

**Grades 9-12**

Prerequisite:

This course introduces the study of nutrition, safety and sanitation, meal planning, table setting, etiquette, reading recipes, and measurements. In order to apply the knowledge learned in each of these areas, cooking labs are designed involving yeast breads and rolls, pastries, quick breads, nutritional content in baked goods, pasta, and desserts. Class activities include discussions, demonstration of food preparation techniques, as well as planning and preparing foods. Replacement costs will be assessed for broken equipment. (16054A001, Nutrition & Culinary Arts I)

### **08040 Introduction to Child Care**

**.5 Credit**

**Grades 9-12**

Prerequisite:

This course introduces the study of child development from the prenatal stage through age three. The course content will include pregnancy and birth, physical, emotional, social, and intellectual development from a baby's first through third year, and a perspective on the importance of childhood and the responsibilities of the caregivers. Guest speakers include mothers with infants and small children. Students will gain knowledge about the cost of raising a child. (19052A001, Child Development and Parenting)

### **08030 Nutrition & Culinary Arts 2**

**.5 Credit**

**Grades 10-12**

Prerequisite: Nutrition & Culinary Arts 1

This is a meal management and preparation course with emphasis on planning and preparing nutritional and budget conscious meals. In-depth skills in preparation include homemade soups and stews; meats; fish and poultry; garnishes and appetizers; cake decorating; and microwave cookery. Entertaining and types of meal service are also included. Job opportunities in the food service industry are explored. Replacement cost will be assessed for broken equipment (16054A002, Nutrition & Culinary Arts II)

### **08100 Child Growth and Development**

**.5 Credit**

**Grades 10-12**

Prerequisite: Introduction to Child Care

A course that provides both classroom learning of child growth and behavior and practical experience during a pre-school that is held at the high school. The student will learn about the correlation between growth and development; patterns of behavior and stages of development that children pass through; how to care for and communicate positively with children; and reinforcing a child's self concept and behavior. The student will also become aware of the changing patterns of the family structure in rearing children. Students will plan, prepare, and execute activities for four year olds in pre-school for a nine-week period. Guest speakers and field trips will be utilized to reinforce concepts covered in class. (19052A001, Child Development and Parenting)

### **08200 Commercial Foods**

**Grades 11-12**

Prerequisite: Nutrition & Culinary Arts 2

Note: It is advisable that students enrolling in this course have earned at least a C in Culinary Arts 2.

Food Preparation methods include concepts in workflow, sanitation, safety, purchasing, storing, cost control, nutrition, menu planning and the service of food. We will be preparing food for larger groups of people. Job and career opportunities in the food services industry are explored. Students are encouraged to complete course related clinical experiences that will require time commitments outside of class sessions. (16052A001, Culinary Occupations I)

## **FAMILY AND CONSUMER SCIENCES (CONTINUED)**

### **08060 Primary Teaching Internship .5 Credit Grades 11-12**

Prerequisite: Child Growth & Development

Note: It is advisable that students enrolling in this course have earned at least a C in Child Growth & Development.

During his/her scheduled class time, the student participates in an elementary school primary grade level class for a minimum of five hours a week. The student will aid children where needed and do other assigned tasks under the direction of the teacher. The supervising and cooperating teachers will set up the program and have periodic conferences with the student. Weekly assignments involving situations that are likely to be encountered while teaching children are also required. Students are responsible for transporting themselves to their assigned elementary school sites. (19054A001, Care and Learning Services Occupations)

### **08150 Parenthood Education .5 Credit Grade 11-12**

Prerequisite:

In this course, students will analyze the impact of parenting roles and responsibilities on strengthening the well being of individuals and families. Students will evaluate parenting practices that maximize human growth and development. External support systems that provide services for parents will also be considered. Field trips, guest speakers, and use of infant simulators are an integral part of this class. (22204A001, Parenting)

### **08120 Adult Living .5 Credit Grades 11-12**

Prerequisite:

This course is designed to help students explore many aspects of life. The following topics are areas of study: personal development including setting goals, education and training beyond high school, career choices, job interviews, budgeting for living on your own, choosing and furnishing your first apartment, lifestyle options, balancing family and career, and developing effective relationships to promote communication. Guest speakers from the surrounding area are used to expose students to various career paths. (22207A001, Family and Career Relationships)

### **0825 Inter-related Co-op Classroom and VEI 1 Credit Grades 11-12**

Prerequisite: The student must have a job by the third day of class. Job location must be a reasonable distance from the high school (at teacher discretion). Employment by relatives is not accepted. Students should have completed two years in a related vocational sequence in order to be accepted into this program. Good attendance is essential. A minimum of 12 credits is required to qualify for this program.

Virtual Enterprises International (VEI) is a global business simulation offered to students through a project-based learning environment that will foster 21<sup>st</sup> century job skills.. It is designed to assist students in the development of effective skills and attitudes through on the job training as each student is assigned a job within the virtual simulation. Work ethics will be emphasized. The student will learn how to progress and succeed in the fields of human resources, administrative duties, accounting, sales/marketing, management, and web design/social media. Career research is done so students better understand themselves and careers that match their interests. Students will have the opportunity to attend workshops and trade shows to expand on their skills and knowledge. (22153A001, Cooperative Education)

### **0827 Inter-related Co-op Supervision 1 Credit Grades 11-12**

Prerequisite: Concurrent enrollment in Inter-related Co-op Classroom and VEI

This course provides practical job experience. The student will learn a salable skill and gain practical knowledge at the training station. The student must work in a school-approved job with a minimum of 15 hours per week and be evaluated by the supervisor four or more times a year. Conferences are held periodically with the students, employer, and coordinator. Paycheck stubs should be submitted as proof of employment and proof of hours worked. Employment by relatives is not permitted. (22153A001, Cooperative Education)

# DRIVER EDUCATION

Driver Education is a program consisting of at least thirty (30) hours of classroom instruction and six (6) hours of behind-the-wheel training. Students must be 15 years of age with first consideration given to sophomores.

**STUDENTS MUST HAVE RECEIVED PASSING GRADES IN AT LEAST 8 COURSES DURING THE PREVIOUS 2 SEMESTERS IN ORDER TO ENROLL IN DRIVER EDUCATION.**

Course No.		Course Name	Credit	Grade Level				Prerequisite
Sem 1	Sem 2			9	10	11	12	
17011		Classroom Drivers Ed - 1 <sup>st</sup> Semester	.5	X	X	X	X	Passing grade in Freshman PE and Birth date
	17022	Classroom Drivers Ed - 2 <sup>nd</sup> Semester	.5	X	X	X	X	Passing grade in Freshman PE and Birth date

**Behind the Wheel will not be listed on student schedules. Students who have passed Classroom Driver Education will be eligible for Behind the Wheel Slots based on their birth date. Preference will be given to those with the earliest birth date. The Driver Education Coordinator will inform you of your assigned driving slot.**

## Classroom Driver Education

**Grades 9-12**

Prerequisite: Passing grade in Freshman PE, birth date, and passing grades in at least 8 courses during the previous 2 semesters

Classroom Driver Education is a program that utilizes both a basic textbook and the Illinois Rules of the Road booklet. Classes are taught by lectures, audiovisual aids, and group discussions. These methods are employed to help students understand how and why a motor vehicle functions, to develop the proper attitudes in regard to personal and social responsibility in the operation of motor vehicles today, and to develop personal pride and self-discipline in their driving careers. (08151A000, Drivers Education Classroom Only) **Classroom Driver Education may be taken in place of a semester of Physical Education.**

## Driver Education Behind-the-Wheel

**Grades 10-12**

Prerequisite: Illinois Permit, Classroom Driver Education, passing grades in 8 classes during the previous 2 semesters, and selection in the lottery system

Driver Education Behind-the-Wheel is a program that utilizes both the driving and observation time for each student each day with the following objectives: helps students understand how and why a motor vehicle functions; help students develop the skills required for safe and efficient driving under varying conditions; help students develop habits of safe, courteous, and law-abiding practices in the operation of a motor vehicle; help students develop proper attitudes in regard to personal and social responsibility in the operation of a motor vehicle, and help students develop pride and self-discipline in the operation of a motor vehicle. A student will need the Illinois Instruction Permit and must pass the Classroom Driver Education phase.

# ENGLISH

The English program helps students develop skills in thinking, reading, writing, speech, and listening. Individual courses stress analysis and understanding of language, literature, communication, and writing. In addition to required courses, students may take additional elective courses as described below. All Illinois supported colleges require four years of English. Consult your counselor for specific information.

Number	Title	Credit	9	10	11	12	Prerequisite
0108	English 9 & Enrichment	1.0	X				<i>Note: 1 English credit and 1 elective credit</i>
0103	English 9	1.0	X	X	X	X	
0105	English 9 Ac	1.0	X				
0121	English 10	1.0		X			English 9
0123	English 10 Ac	1.0		X			English 9
0133	English 11	1.0			X		English 10
0135	English 11 Ac	1.0			X		English 10
0143	English 12	1.0				X	English 11
0145	AP English	1.0				X	English 11
01610	World Literature	0.5			X	X	English 11 OR Concurrent enrollment in English 11
01640	Contemporary Literature	0.5			X	X	English 11 OR Concurrent enrollment in English 11
01650	Creative Writing	0.5			X	X	English 11 OR Concurrent enrollment in English 11
01620	Advanced Oral Communications	0.5			X	X	English 11 OR Concurrent enrollment in English 11
01630	World Mythology	0.5			X	X	English 11 OR Concurrent enrollment in English 11
04060	Debate	0.5		X	X	X	English 9
04050	Advanced Debate	0.5		X	X	X	Debate

## NINTH GRADE ENGLISH

Students are placed in freshman English using a combination of eighth grade student progress and test results.

### 0108 English Enrichment 1 Elective Credit Grade 9

Prerequisite:

A two semester, **writing intensive** course. Study includes literature and writing skills with an emphasis on reading skills, literary analysis, and oral communication. Students will be scheduled for an additional Enrichment period for an elective credit. Enrichment is designed to help students strengthen their basic reading and writing skills and reinforce current literary concepts. (01068A000, Corrective Reading)

### 0103 English 9 1 Credit Grade 9-12

Prerequisite:

A two semester, **writing intensive** course. Study includes literature and writing skills with an emphasis on reading skills, literary analysis, and oral communication. (01001A000, English/Language Arts I)

## **ENGLISH (CONTINUED)**

### **0105 English 9 Ac**

**1 Credit**

**Grade 9**

Prerequisite:

A two semester, **writing intensive** course for students with high academic ability. Study includes literature, oral communication, grammar, mechanics, writing, spelling, vocabulary; emphasis on paragraph development in the context of the essay. Additional work in logical reasoning. (01001A000, English/Language Arts I)

## **TENTH GRADE ENGLISH**

All students will be registered for English 10.

### **0121 English 10**

**1 Credit**

**Grade 10**

Prerequisite: English 9

A two semester sequence. A survey literature course with emphasis on the process of writing themes, and essays, and research papers; oral communication, vocabulary, spelling, and research. (01002A000, English/Language Arts II)

### **0123 English 10 Ac**

**1 Credit**

**Grade 10**

Prerequisite: English 9

A two semester sequence. A course for students with high academic ability. Techniques of literary analysis and interpretation; oral communication; organization of essays; cohesion in writing; and research. (01002A000, English/Language Arts II)

## **ELEVENTH GRADE ENGLISH**

All students will be registered for English 11. Students will be placed using input from the tenth grade English teachers and scores from the English and Reading components of the ACT *Plan* tests administered during tenth grade.

### **0133 English 11**

**1 Credit**

**Grade 11**

Prerequisite: English 10

A two semester sequence. English 11 includes reading projects and continued development of writing skills. Research papers are persuasive in nature. The course has a focus on the chronological and thematic development of literature of the United States, including fiction, non-fiction, and drama. Public speaking projects are in symposium form. (01003A000, English/Language Arts III)

### **0135 English 11 Ac**

**1 Credit**

**Grade 11**

Prerequisite: English 10

A two semester sequence. A course for students with high academic ability. This course includes advanced reading projects and continued development of writing skills. Research papers are based on literary criticism. The focus of the course is an analysis of both the chronological and thematic development of literature in the United States (fiction, non-fiction, drama). Public speaking projects are in symposium form. Independent study projects are required. (01003A000, English/Language Arts III)

## ENGLISH (CONTINUED)

### TWELFTH GRADE ENGLISH

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**0143 English 12 ( Semester 1, Semester 2) 1 Credit Grade 12**

Prerequisite: English 11

A two semester sequence. A study of the chronological development of British literature from the Anglo-Saxon Period to the present. Additional composition skills and practice. Includes a substantial research project. (01004A000, English/Language Arts IV)

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**0145 Advanced Placement (AP) English-Literature and Composition 1 Credit Grade 12**

Prerequisite: English 11

A two semester sequence. A course for students with high academic ability. A study of the chronological development of British literature from the Anglo-Saxon Period to the present. Advanced composition and discussion skills related to literary analysis. Emphasis on critical reading and independent research. This course helps prepare students for college English courses; in addition, it helps prepare students to take the Advanced Placement exam. It is designed for students willing and able to do college level work in high school. (01006A000, AP English Literature and Composition)

### ELECTIVE COURSES

Students may choose electives from the following list.

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**01610 World Literature .5 Credit Grades 11- 12**

Prerequisite: English 11 OR Concurrent enrollment in English 11

This course is an introduction to the critical analysis of literature through the careful reading of classic texts from various cultures throughout the world. An important goal of the course is to promote an understanding of the works in their cultural/historical contexts and of the lasting human values which bring together the different literary traditions. Writing assignments will be of a formal and informal nature. Informal writing will include preparation of questions for class discussion, short critical reading responses, and in-class writing. Formal writing will include a literary analysis paper. Through the analysis of the literature studied in this class, students will improve their ability to examine the attitudes and behaviors of their own culture through the perspectives of people from other cultures. Purchase of novel(s) may be required. (01058A000, World Literature)

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**01640 Contemporary Literature .5 Credit Grades 11-12**

Prerequisite: English 11 OR Concurrent enrollment in English 11

An in-depth study of selected recent novels. Emphasis on social and philosophical themes, elements of the novel, and character studies. Purchase of paperbacks may be required. (01053A000, Literature)

## **ENGLISH ELECTIVE COURSES (CONTINUED)**

### **01650 Creative Writing .5 Credit Grades 11-12**

Prerequisite: English 11 OR Concurrent enrollment in English 11

This English elective course is designed for students who wish to develop their creative writing skills. Students will read selections in the genre being studied and then produce original writings in a variety of forms including prose, poetry, and drama. Students will be required to submit a portfolio representing the breadth and depth of their writing progress. Other class assignments include free-writing in a journal, studying models of good writing, and experimenting with new writing forms. Students will also use peer editing and peer response to provide positive support for their fellow writers and learn to revise their own work. (01104A000, Creative Writing)

### **01620 Advanced Oral Communications .5 Credit Grade 11-12**

Prerequisite: English 11 OR Concurrent enrollment in English 11

A study of the theory and practice of public speaking beyond the units in the sophomore and junior English courses. Will include informative, persuasive, and symposium speeches as well as an introduction to oral interpretation of prose and poetry. Continued development of research skills. Excellent preparation for college speech classes and/or workforce entry. (01155A000, Communications)

### **01630 World Mythology .5 Credit Grade 11-12**

Prerequisite: English 11 OR Concurrent enrollment in English 11

In this course, students will explore the heroes and myths of various peoples from around the world and various times, from ancient Mesopotamian and Egyptian to Eastern myth to Norse Mythology and even Native American myth. Through exploring works like The Epic of Gilgamesh and The Iliad, students will become familiar with the legends, myths, and heroes that built and shaped the foundations of cultures and civilizations around the world and persist to this day. During the semester, students will be asked to complete a research project based upon a myth, hero, or deity not covered in the regular course of the semester. The course is writing intensive and appropriate for the college-bound student. (01099A000, Literature Other)

### **04060 Debate .5 Credit Grades 10-12**

Prerequisite: English 9

The course is an introduction to debate and is designed for the student of above average ability who wishes to develop skills of researching, speaking and using logic. The first nine weeks involve an in-depth study of the fundamentals of debate while the second nine weeks focus on classroom debates. Students taking this course will prepare and present affirmative and negative cases relating to a current social issue. (01153A000, Forensic Speech Debate)

### **04050 Advanced Debate .5 Credit Grades 10-12**

Prerequisite: Debate

Students are expected to participate in an interscholastic debate schedule. They will be expected to prepare affirmative and negative briefs and participate in various levels of debate competition. Students will be given a great deal of individual preparation time, and self-discipline is a necessity. Advanced Debate is for the student who wishes to excel in debate. (01153A000, Forensic Speech Debate)



# ENGLISH LANGUAGE LEARNER (ELL) EDUCATION

Students eligible to enroll in English Language Learner (ELL) courses are those students who meet the Illinois School Code (108 ILCS 5/14C-2.d) definition for “Children of limited English-speaking ability”.

Number	Course Name	Credit	9	10	11	12	Prerequisite
0530	ELL Intervention Block	1.0	X	X	X	X	Eligibility for ELL services under state guidelines
0524	ELL Reading and Writing 1	1.0	X	X	X	X	Eligibility for ELL services under state guidelines and a reading and writing composite score in the 1.0-2.5 range on the ACCESS test.
0526	ELL Reading and Writing 2	1.0	X	X	X	X	Eligibility for ELL services under state guidelines and a reading and writing composite score in the 2.6.0-3.5 range on the ACCESS test
0528	ELL Reading and Writing 3	1.0	X	X	X	X	Eligibility for ELL services under state guidelines and a reading and writing composite score in the 3.6.0-4.5 range on the ACCESS test
0529	ELL Reading and Writing 4	1.0	X	X	X	X	Eligibility for ELL services under state guidelines and a reading and writing composite score in the 4.6.0-6.0 range on the ACCESS test
0535	ELL English Language Arts 1	1.0	X	X	X	X	Eligibility for ELL services under state guidelines and overall composite score in the 1.0-2.0 range on the ACCESS test. Concurrent enrollment in ELL Reading & Writing is recommended
0532	ELL English Language Arts 2	1.0	X	X	X	X	Eligibility for ELL services under state guidelines and overall composite score in the 2.0-3.0 range on the ACCESS test. Concurrent enrollment in ELL Reading & Writing is recommended
0533	ELL English Language Arts 3	1.0	X	X	X	X	Eligibility for ELL services under state guidelines and overall composite score in the 3.0-4.0 range on the ACCESS test. Concurrent enrollment in ELL Reading & Writing is recommended
0534	ELL English Language Arts 4	1.0	X	X	X	X	Eligibility for ELL services under state guidelines and overall composite score in the 4.0 and higher range on the ACCESS test. Concurrent enrollment in ELL Reading & Writing is recommended
05821	Newcomer ELL	4.0	X	X	X	X	New to the United States and the US educational system
0544	ELL Algebra 1	1.0	X	X	X	X	Eligibility for ELL services under state guidelines
0542	ELL Geometry	1.0	X	X	X	X	Eligibility for ELL services under state guidelines
0554	ELL Integrated Science	1.0	X	X	X	X	Eligibility for ELL services under state guidelines
0556	ELL Biology	1.0	X	X	X	X	Eligibility for ELL services under state guidelines
0562	ELL US History	1.0			X	X	Eligibility for ELL services under state guidelines
05720	ELL American Government	0.5				X	Eligibility for ELL services under state guidelines
05780	ELL Health	0.5	X	X	X	X	Eligibility for ELL services under state guidelines
05820	ELL Consumer Education	0.5		X	X	X	Eligibility for ELL services under state guidelines

## ENGLISH LANGUAGE LEARNER (ELL) EDUCATION

### 0530 ELL Intervention Block 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines

This course is intended to support transitioning English Language Learners to develop literacy skills and to support content area acquisition of their regular education classes. Students will receive ESL support and Native language (Spanish) support when necessary. Additional reading interventions such as: Rewards, Read Naturally, and Six Minute Solution will be utilized to increase students' reading comprehension and fluency. **Students may earn one elective credit in this course and it may be repeated, if necessary.** (01008A000, English as a Second Language)

### 0524 ELL Reading and Writing 1 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines and a reading and writing composite score in the 1.0 - 2.5 range on the ACCESS test.

This is an introductory course in English as a new language and is intended for students with no or minimal English skills. This course is designed to introduce those students to American culture and expose them to the most essential vocabulary, grammar and functional expressions needed to communicate at a basic level. This course will provide native language (Spanish) support when applicable. This course is to be taken in conjunction with ELL English Language Arts. **Students may earn one elective credit in this course and it may be repeated, if necessary.** (01008A000, English as a Second Language)

### 0526 ELL Reading and Writing 2 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines and a reading and writing composite score in the 2.6-3.5 range on the ACCESS test.

This is an introductory course in English as a new language and is intended for students with no or minimal English skills. This course is designed to introduce those students to American culture and to provide them with a more expanded essential vocabulary, more complex grammar, and a wider choice of functional expressions needed to communicate at the beginning level. This course will provide native language (Spanish) support when applicable. This course is to be taken in conjunction with ELL English Language Arts. **Students may earn one elective credit in this course and it may be repeated, if necessary.** (01008A000, English as a Second Language)

### 0528 ELL Reading and Writing 3 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines and a reading and writing composite score in the 3.6 - 4.5 range on the ACCESS test

This course is an advanced study in English as a second language and American culture including expressions, idioms, and advanced writing. This course will provide ESL support. This course is to be taken in conjunction with ELL English Language Arts. **Students may earn one elective credit in this course and it may be repeated, if necessary.** (01008A000, English as a Second Language)

### 0529 ELL Reading and Writing 4 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines and a reading and writing composite score in the 4.6 -6.0 range on the ACCESS test.

This course is a continuation of the study of the English language and American culture and is intended for students with intermediate English language skills. This course will provide ESL support. This course is to be taken in conjunction with ELL English Language Arts. **Students may earn one elective credit in this course and it may be repeated, if necessary.** (01008A000, English as a Second Language)

## ENGLISH LANGUAGE LEARNER (ELL) EDUCATION (CONTINUED)

### 0535 ELL English Language Arts 1 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines and overall composite score in the 1.0-2.0 range on the ACCESS test. Concurrent enrollment in ELL Reading & Writing is recommended.

This course is intended for introductory students who need to acquire basic literacy skills in English in order to succeed in the further study of English as a second language. This course provides ESL support and native language (Spanish) support when applicable. Concepts covered include literature, writing, reading, and oral communication. **Students in this course may earn one credit toward the graduation requirements for English.** (01999A000, English Language and Literature Other)

### 0532 ELL English Language Arts 2 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines and overall composite score in the 2.0-3.0 range on the ACCESS test. Concurrent enrollment in ELL Reading & Writing is recommended

This course is intended to give beginning level students the support they need to master reading, writing, literature, and content, within a systematic language framework. This course provides ESL support and native language (Spanish) support when applicable. Concepts covered include oral communication, organization of essays, and research. **Students in this course may earn one credit toward the graduation requirements for English.** (01999A000, English Language and Literature Other)

### 0533 ELL English Language Arts 3 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines and overall composite score in the 3.0-4.0 range on the ACCESS test. Concurrent enrollment in ELL Reading & Writing is recommended

This course is a continuation of the study of English language arts and is intended for intermediate level students. This course provides ESL support and native language support when applicable. Concepts covered include continued development of writing, literature of the United States and speeches. **Students in this course may earn one credit toward the graduation requirements for English.** (01999A000, English Language and Literature Other)

### 0534 ELL English Language Arts 4 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines and overall composite score in the 4.0 and higher range on the ACCESS test. Concurrent enrollment in ELL Reading & Writing is recommended

This course is a continuation of the study of English language arts and is intended for high-intermediate and transitioning students. This course provides ESL support. Concepts covered in this course include composition skills and practice. **Students in this course may earn one credit toward the graduation requirements for English.** (01999A000, English Language and Literature Other)

### 05821 Newcomer ELL 4 Credits Grades 9-12

Prerequisite: New to the United States and the US educational system

Newcomer ELL is a short term program that provides survival English instruction and acculturation to US schools. Placement is determined through a screening process. This program is intended for recent immigrants who speak little or no English. Newcomer ELL seeks to develop English language competence and academic skills to prepare students to succeed in US schools. There will be a focus on basic English language skills during the first semester through the use of situational and content based instruction. During the second semester, Newcomer ELL will offer an English language and math literacy focus with the goal of enabling students to transition to an appropriate math course the following year. **Students in this course may earn credit toward the graduation requirements for English.** (01008A000, English as a Second Language)

## ENGLISH LANGUAGE LEARNER (ELL) EDUCATION (CONTINUED)

### 0544 ELL Algebra 1 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines

Students will learn about the properties of real numbers, the use of variables and how to solve equations and inequalities. Lessons will also demonstrate how algebra is integrated with related content areas such as geometry, probability and statistics. Students will receive ESL support. Native language (Spanish) support will be provided when applicable. **Students in this course may earn one credit toward the graduation requirements for mathematics.** (02052A000, Algebra I)

### 0542 ELL Geometry 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines

Students will learn about the properties of and the relationships between points, lines, planes, and figures are explored in this course along with the generalizations related to these concepts. Algebra skills are reinforced with problem solving that requires multiple-step thinking and logical reasoning. Students will receive ESL support. Native language (Spanish) support will be provided when applicable. **Students in this course may earn one credit toward the graduation requirements for mathematics.** (02072A000, Geometry)

### 0554 ELL Integrated Science 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines

This course introduces ELL students to the concepts and principles of life, earth, and physical science and builds fundamental science skills students need to be successful in the further study of science. Laboratory activities will be an important part of this course. This course helps students make important connections between science and their own lives. Students will receive ESL support. Native language (Spanish) support will be provided when applicable. **Students in this course may earn one credit toward the graduation requirements for science.** (03201A000, Integrated Science)

### 0556 ELL Biology 1 Credit Grades 9-12

Prerequisite: Eligibility for ELL services under state guidelines

This course introduces ELL students to the basic concepts and principles of biology, the study of living organisms. This course integrates technology, everyday applications, careers, and modern leaders in biology, and helps students make important connections between science and their own lives. Concepts covered include evolution, homeostasis, energy and matter, continuity, development, and ecology. Student-centered class activities engage students in the scientific process of discovery. Students will receive ESL support. Native language (Spanish) support will be provided when applicable. **Students in this course may earn one credit toward the graduation requirements for science.** (03051A000, Biology)

### 0562 ELL US History 1 Credit Grades 11-12

Prerequisite: Eligibility for ELL services under state guidelines

This course is designed for ELL students who need to fulfill US History graduation requirement. The first semester of the course emphasizes the years from early exploration to 1900. It is concerned with the political, economic, and social development of the United States. Past events will be related to present problems. The second semester of the course is concerned with the political, economic, and social development of our American culture. The language of instruction is English with support available in Spanish as needed. **Students are required to take both semester of US History to meet requirements for graduation.** (04101A000, U.S. History Comprehensive)

## ENGLISH LANGUAGE LEARNER (ELL) EDUCATION (CONTINUED)

### **052720 ELL American Government .5 Credit Grade 12**

Prerequisite: Eligibility for ELL services under state guidelines

This course is designed for ELL students who need to meet the graduation requirements of the State of Illinois. It surveys the current American political system with units of instruction in the foundations of American government, the legislative branch, the executive branch, the judicial branch, civil rights, and liberties. The language of instruction is English with support available in Spanish as needed. **Successful completion of this course satisfies the US and Illinois Constitution requirement for graduation in the state of Illinois.** (04151A000, U.S. Government Comprehensive)

### **05780 ELL Health .5 Credit Grades 9- 12**

Prerequisite: Eligibility for ELL services under state guidelines

This course is designed to teach students with limited English skills vital health information so they will learn what is necessary for a healthy lifestyle and can make sensible educated choices about their physical and mental health. Health topics covered include systems of the human body, safety precautions and first aid, as well as discoveries and developments in health. The language of instruction is English with support available in Spanish as needed. **Successful completion of this course satisfies the Health requirement for graduation in the state of Illinois.** (08051A000, Health Education)

### **05820 ELL Consumer Education .5 Credit Grades 10-12**

Prerequisite: Eligibility for ELL services under state guidelines

This course is designed to help students with limited English skills and develops their knowledge of basic economic principles through clear examples from the real world including the study of consumer rights, checking accounts and the banking system, budgeting, insurance, wise shopping, credit, real estate, consumer fraud, and income taxes. **Successful completion of this course satisfies the Consumer Education requirement for graduation in the state of Illinois.** (22210A000, Consumer Economics/Personal Finance)

## **FINE ARTS**

**Music-Instrumental** – Our high schools offer courses for students with instrumental music skills that range from basic to advanced. All courses are for a full year and require an audition with the director.

Students enrolled in the Symphonic Band, Concert Band and Freshman Band combine to form the Marching Band and Pep Band which participates at home football or basketball games, parades or other pep events, and a pre-school marching workshop. One evening Marching Band rehearsal is held preceding each home football game. Participation in marching and pep band rehearsals and performances is required of all students enrolled in the Symphonic Band, Concert Band and Freshman Band. However, a student may be excused from rehearsal, parade, or marching/pep event if they are participating in another high school sponsored activity where that activity's performance directly conflicts with those of the Marching or Pep Band.

Introduction to Band is offered to students who wish to join band and learn an instrument, but have no prior experience. These students are not required to be part of the marching band. Current band students who wish to learn a second instrument may also enroll in Introduction to Band.

**Music-Vocal** - Course offerings range from the fundamentals of vocal music to those for the highly skilled. The program is structured so that four years of vocal music can be taken. All music classes are for one year. Acappella, Mixed Chorus, Treble Clef, Show Choir, and Choraliers require auditions with the director.

**Theatre** - The educational aim in the theatre department is to provide for the optimum social, emotional and intellectual growth and development of students in light of their needs and interests. It is our belief that theatre plays a vital role in the education of the youth of the community. Theatre education directs itself to skill, value, knowledge and application. The unique contribution of theatre education in the curriculum is that it combines all abilities of a student to accomplish this purpose.

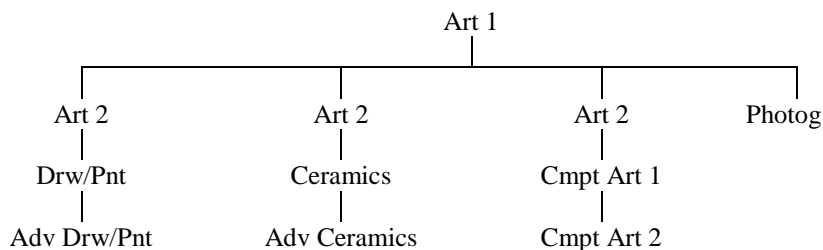
It is our philosophy that the focus of our theatre education program is on the student's ability: how to help the students develop, to be challenged and become self-directed; how to help the student develop knowledge and understanding about talents and abilities and gain confidence in those talents and abilities. Above all, the focus is on how to help each student develop and maintain a real joy of theatre which will remain with the student throughout his or her life.

The theatre education program should have balanced emphasis. Classroom instruction is important, but because of the extraordinary demands in the theatre, many classes will be supervised on an independent, outcome based system. The student will be taught and then demonstrate mastery of theatre skills. This method of instruction will help the student develop responsibility and pride in his or her work. A student will carry those aspects with him or her into other studies throughout his or her life.

**Visual Arts** - All art courses are one semester in length. Each class is a project-oriented class. Both the beginner and the advanced student can benefit from the program. Drawing & Painting, Advanced Drawing & Painting, Ceramics, Advanced Ceramics, and Computer Art 2 may be repeated for credit.

# FINE ARTS (CONTINUED)

Number	Course Name	Credit	9	10	11	12	Prerequisite
<b>Music-General</b>							
11170	Music Theory & Harmony	.5		X	X	X	
11180	Music History	.5		X	X	X	
<b>Music-Instrumental</b>							
1110	Concert Band 2 (S)	1.0		X	X	X	Audition
1111	Concert Band 1 (J)	1.0		X	X	X	Audition
1112	Symphonic Band	1.0		X	X	X	Audition
1114	Jazz Ensemble	1.0	X	X	X	X	Audition
<b>Music-Vocal</b>							
1100	Freshman Chorus	1.0	X				
1102	Treble Clef	1.0		X	X	X	Audition
1103	Show Choir	1.0		X	X	X	Vocal & Dance Audition
1104	Acappella	1.0		X	X	X	Audition
1106	Choraliers	1.0		X	X	X	Vocal & Dance Audition
1109	Mixed Chorus	1.0		X	X	X	Audition
<b>Theatre</b>							
10500	Introduction to Theatre Arts	.5	X	X	X	X	
10520	Acting & Directing	.5		X	X	X	Fr English; Intro to Theatre Arts
10660	Advanced Acting	.5		X	X	X	Acting & Directing
10550	Theatre Production 1	.5	X	X	X	X	Introduction to Theatre Arts
10560	Theatre Production 2	.5		X	X	X	Theatre Production 1
10580	Theatre Technology 1	.5	X	X	X	X	Introduction to Theatre Arts
10600	Theatre Technology 2	.5		X	X	X	Theatre Technology 1
10620	Theatre Technology 3	.5		X	X	X	Theatre Technology 2
10640	Theatre Practicum	.5-1.0			X	X	Consent of Instructor
<b>Visual Arts</b>							
10000	Art 1	.5	X	X	X	X	
10020	Art 2	.5	X	X	X	X	Art 1
10100	Drawing & Painting	.5		X	X	X	Art 2
10140	Advanced Drawing & Painting	.5		X	X	X	Drawing & Painting
10060	Ceramics	.5		X	X	X	Art 2
10160	Advanced Ceramics/Materials	.5		X	X	X	Ceramics
10120	Photography	.5		X	X	X	Art 1
10180	Computer Art 1	.5		X	X	X	Art 2
10190	Computer Art 2	.5		X	X	X	Computer Art 1



## **FINE ARTS – MUSIC-GENERAL**

### **11170 Music Theory and Harmony**

**.5 Credit**

**Grades 10-12**

Prerequisite:

A one-semester course with a prerequisite of one year's participation in a high school music performance class or four years of private piano instruction. The course is designed for those students wishing to enhance their music performance skills through increased understanding of music fundamentals and theory. Topics to be covered include: note reading, time and key signatures, rhythm recognition, scale construction, chords, manuscript skills, melodic harmonization and composition. Students will listen to recorded examples, write music and perform some of their own works in class. (05113A000, Music theory)

### **11180 Music History**

**.5 Credit**

**Grades 10-12**

Prerequisite:

A one-semester course with a prerequisite of Music Theory & Harmony. The class will continue the study of theory while acquainting the student with major composers and musical styles over the past 300 years. The music of Bach, Handel, Mozart, Hayden, Beethoven and Tchaikovsky, among others, will be studied through recordings, videos, performance and composition assignments. This course is highly advised for any serious musician wishing to enhance their performance skills through the study of the Masters of music and their techniques. (05117A000, Music History)



## **FINE ARTS – MUSIC-INSTRUMENTAL**

### ***1111/1110 Concert Band 1 & 2***

***1 Credit***

***Grades 10-12***

Prerequisite: Audition

For instrumental musicians with intermediate performance skills. All basic music skills will be reviewed and polished. A variety of music will be studied and performed. Refer to the second paragraph of the introduction to the Fine Arts section for details about the marching requirement for this course. Three to four formal concerts are presented each year plus Commencement. All students are encouraged to take private lessons. Optional involvement: Solo and ensemble contest, district band, and All State band. Students are encouraged to attend concerts in the Northern Illinois area. (05102A000, Concert Band)

### ***1112 Symphonic Band***

***1 Credit***

***Grades 10-12***

Prerequisite: Audition

For instrumental musicians with advanced performance skills. Entry into the Symphonic Band is by **audition only**. Music from various periods and covering a wide spectrum of styles will be studied and performed. Refer to the second paragraph of the introduction to the Fine Arts section for details about the marching requirement for this course. One or more formal concerts are presented each semester, plus a spring contest or festival, and Commencement. All students are encouraged to take private lessons. Optional involvement: Pep band, solo and ensemble contest, IMEA District and All State organizations, and flag corps. Students are encouraged to attend concerts in the Northern Illinois area. (05102A000, Concert Band)

### ***1114 Jazz Ensemble***

***1 Credit***

***Grades 9-12***

Prerequisite: Audition

For the serious musician interested in learning more about jazz and jazz performance. Heavy emphasis will be placed on improvisation and the assimilation of various jazz styles. This is a performance-oriented class both in school and in the community. Students will participate in at least two formal concerts, a Cabaret/Musical show, elementary school concerts, and jazz festivals throughout the year. Optional involvement: Pep band, solo and ensemble contest, district jazz ensemble, All-State Jazz ensemble, Jazz combos. Students are encouraged to attend concerts in the Northern Illinois area. \*Except piano, bass, and guitar, all members must also be enrolled in Symphonic Band Ensemble or Concert Band. Exceptions will be made only at the discretion of the director. (05105A000, Contemporary Band)

## **FINE ARTS-MUSIC-VOCAL (CONTINUED)**

### **1100 Freshman Chorus 1 Credit Grade 9**

Prerequisite:

Designed for the student to learn fundamentals of music, their application and singing of unison and part songs. They learn how to read music and work on all styles and types of music through singing. Students will perform in a minimum of 4 required concerts per year. (05110A000, Chorus)

### **1102 Treble Clef 1 Credit Grades 10-12**

Prerequisite: Audition

For the student to work on all styles and types of music through singing. They study vocal production and its application. Students learn how to perform this music through participation at all choral concerts. Each student works toward mastering the fundamentals and theory of choral music. Student will perform in a minimum of 4 required concerts per year. (05110A000, Chorus)

### **1103 Show Choir 1 Credit Grades 10-12**

Prerequisite: Vocal and Dance Audition

This is a full year course for student interested in the "Show Choir" atmosphere. Emphasis will be on musicianship and attaining a high level of performance. Students will perform in a minimum of 4 required concerts per year in addition to various community performances. (05111A000, Vocal Ensembles)

### **1104 Acappella 1 Credit Grades 10-12**

Prerequisite: Audition

A full year course for the student to work on all styles of music through singing, studying vocal production and its application. They learn at the highest level how to perform their music through participation at all choral concerts and working towards mastering the fundamentals and theory of choral music. Students will perform in a minimum of 4 required concerts per year. (05111A000, Vocal Ensembles)

### **1106 Choraliers 1 Credit Grades 10-12**

Prerequisite: Vocal and Dance Audition

A full year course for the student interested in the "Show Choir" atmosphere. Students will strive to achieve the highest level of musicianship and performance techniques. Emphasis will be on vocal and dance performances throughout the community. Students will also perform in a minimum of 4 required concerts per year. (05111A000, Vocal Ensembles)

### **1109/ Mixed Chorus 1 Credit Grades 10-12**

Prerequisite: Audition

A full year course for the student to work on all styles of music through singing, studying vocal production and its application. Student work to achieve a better understanding of vocal skills and improve their vocal performance through participation at all choral concerts. Student will study the fundamentals and theory of choral music. Student will perform in a minimum of 4 required concerts per year. (05110A000, Chorus)

**FINE ARTS-THEATRE (CONTINUED)**

**10500 Introduction to Theatre Arts .5 Credit Grades 9-12**

Prerequisite:

Student in this course will be introduced to technical theatre, theatre production, and acting in a practical, hands-on setting. (05051A000, Introduction to the Theatre)

**10520 Acting and Directing .5 Credit Grades 10-12**

Prerequisite: Fr English and Introduction to Theater Arts

Further development of the performing actor and the theories and duties of directing. Course includes play selection, blocking, rehearsal, production and the preparation of prompt books. Final grade includes projects, tests, performance, and participation. (05055A000, Drama Acting/Performance)

**10660 Advanced Acting .5 Credit Grades 10-12**

Prerequisite: Acting and Directing

Students in this course will participate in scene study and improvisation techniques. Students will prepare audition materials, rehearse and present a play for a public audience. (05055A000, Drama Acting/Performance)

**10550 Theatre Production 1 .5 Credit Grades 9-12**

Prerequisite: Introduction to Theatre Arts

Students in Production 1 will be introduced to the business side of theatre. They will be involved in advertising, ticket sales, promotions, house management, stage management, and box office management for theatre productions. (05056A000, Drama Stagecraft)

**10560 Theatre Production 2 .5 Credit Grades 10-12**

Prerequisite: Theatre Production 1

Students in Production 2 will create, organize and implement a production project in the student's area of interest and expertise. (05056A000, Drama Stagecraft)

**10580 Theatre Technology 1 .5 Credit Grades 9-12**

Prerequisite: Introduction to Theatre Arts

An overview of the technical aspects of theater production. Students will learn the basics of lighting, sound, costuming, set construction, scenery construction, and production management techniques. They will be expected to use this knowledge in the context of school drama activities. (05056A000, Drama Stagecraft)

**10600 Theatre Technology 2 .5 Credit Grades 10-12**

Prerequisite: Theatre Technology 1

Students in Theatre Technology 2 will be introduced to lighting and sound designing for theatre and concert production. They will also be introduced to more complex set construction techniques and develop an awareness of all tech necessary for a production. (05056A000, Drama Stagecraft)

**FINE ARTS-THEATRE (CONTINUED)**

**10620 Theatre Technology 3**

**.5 Credit**

**Grades 9-12**

Prerequisite: Theatre Technology 2

Theatre Technology 3 students will be assigned leadership roles in a technical aspect of theatre production that might include lighting, sound, set construction, or other areas of the students interest and ability. (05056A000, Drama Stagecraft)

**10640 Theatre Practicum**

**.5 Credit**

**Grades 11-12**

Prerequisite: Consent of Instructor

Independent study in an area of the Theatre selected by the student with instructor's consent. (05097A000, Drama Independent Study)

## **FINE ARTS-VISUAL ARTS (CONTINUED)**

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### ***10000 Art 1* .5 Credit *Grades 9-12***

Prerequisite:

Art 1 is an introduction to the fundamental techniques and concepts of design. The emphasis of this class is on introducing students to a variety of materials and processes used in creating art. Art 1 will prepare students for future success in other art classes and will provide students with a survey of Art from Prehistoric to 1200 CE. The course curriculum is based on the elements of art. Art 1 may **NOT** be repeated for credit. (05154A000, Creative Art Comprehensive)

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### ***10020 Art 2* .5 Credit *Grades 9-12***

Prerequisite: Art 1

Art 2 is a continuation of Art 1. The processes, techniques, and concepts of Art 1 will be further explored and developed. Art 2 will provide the students with a survey of Art from 1200 CE to the present. The course curriculum is based on the principles of art. Above average progress in Art 2 is required for advancement in the Art program. Art 2 may **NOT** be repeated for credit. (05154A000, Creative Art Comprehensive)

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### ***10100 Drawing & Painting* .5 Credit *Grades 10-12***

Prerequisite: Art 2

Various techniques of drawing and painting will be explored. Emphasis is placed on the process of creation involving: media, subject matter, meaning, social context. This course is intended for students who have displayed artistic talent and above average performance in Art 1 & 2. Drawing & Painting may be repeated for credit if enrollments allow. (05155A000, Creative Art Drawing/Painting)

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### ***10140 Advanced Drawing & Painting* .5 Credit *Grades 10-12***

Prerequisite: Drawing & Painting

Advanced techniques of Drawing and Painting will be explored. Show piece material will be the focus of this course. More emphasis will be put into the use of color. This class is primarily for the college bound Art student. Advanced Drawing & Painting may be repeated for credit. Students will create work to be used in a portfolio for college visits. (05155A000, Creative Art Drawing/Painting)

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### ***10060 Ceramics* .5 Credit *Grades 10-12***

Prerequisite: Art 2

This course will follow a historic progression of clay techniques. The student will work with sculptural forms as well as hand building techniques including pinch pots, coil, and slab building. Students will also have the opportunity to explore wheel throwing, as well as various glazing and firing techniques. Ceramics may be repeated for credit if enrollment allows. (05159A000, Ceramics/Pottery)

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### ***10160 Advanced Ceramics/Materials* .5 Credit *Grades 10-12***

Prerequisite: Ceramics

Advanced Ceramics/Materials is an extension and more intensified curriculum based on the experiences and techniques of Ceramics. In addition to hand building and wheel work, students will explore work with sculpture in a variety of media. This class is intended for students who have successfully completed Ceramics, and are seriously considering further art studies. Advanced Ceramics/Materials may be repeated for credit. Students will create work to be used in a portfolio for college visits. (05159A000, Ceramics/Pottery)

## FINE ARTS-VISUAL ARTS (CONTINUED)

### **10120 Photography**

***.5 Credit***

***Grades 10-12***

Prerequisite: Art 1

This course is designed to expose students to the art of photography. Students will learn the history, social impact, and power of the image. Students will develop a foundational knowledge of photography by learning how to use the equipment unique to the art of photography. Students will explore the power of the image as an art form by producing work in the areas of landscape photography, studio photography, and portraiture. Students will learn the impact photography has on society by studying photojournalism. The photojournalism section will teach the image as a way to document history and how it has defined our world. By combining text and image students will document the world as they see it. The course will include digital, black and white, and computer enhanced photography principles. **It is recommended that students enrolling in this course have a digital camera.** This course may be repeated for credit if enrollments allow. (05167A000, Photography)

### **10180 Computer Art 1**

***.5 Credit***

***Grades 10-12***

Prerequisite: Art 2

This course provides an introduction to the use of computers to solve various design problems. Students will produce a variety of projects combining computer lab time and studio production. Students will learn the basic concepts of the Adobe Creative Suites, which is utilized in the Graphic Arts Industry. Desktop Publishing includes design principles, typography, layout, graphic imaging, and color theory. This is intended for students who have displayed interest and artistic ability by successfully completing Art 1 & 2. (05169A000, Computer Assisted Art)

### **10190 Computer Art 2**

***.5 Credit***

***Grades 10-12***

Prerequisite: Computer Art 1

This course will provide a continuation of Computer Art 1. Students will further explore the concepts of Desktop Publishing, graphic design, and digital multimedia. Students will produce a variety of projects combining computer lab time and studio production. Students will learn more advanced technology of the Adobe Creative Suites which is utilized in the Graphic Arts Industry. In order to capitalize on the skills learned in Computer Art 1, students are encouraged to take this course in the semester immediately following Computer Art 1. This course may be repeated for credit if enrollments allow. (05169A000, Computer Assisted Art)

# JOURNALISM

Number	Title	Credit	9	10	11	12	Prerequisite
0180	Introduction to Journalism	1.0	X	X	X	X	
0182	Newspaper	1.0		X	X	X	English 9 & Introduction to Journalism
0192	Yearbook Journalism	1.0		X	X	X	English 9 & Introduction to Journalism
01940	Broadcast Media I & II	0.5	X	X	X	X	Introduction to Journalism

## ***0180 Introduction to Journalism***

***1 Credit***

***Grades 9-12***

Prerequisite:

Students will write for the school newspaper. In this process, they will learn the skills necessary in the areas of writing, editing, photography, design and other elements of production. This course is a prerequisite for Yearbook Journalism and Newspaper. (11101A000, Journalism)

## ***0182 Newspaper***

***1 Credit***

***Grades 10-12***

Prerequisite: English 9 and Introduction to Journalism

Students with Introduction to Journalism experience will apply their knowledge to learn more advanced techniques in reporting and writing news, features, sports, and editorial stories for the newspaper. Students will become aware of advanced topics, such as investigative reporting, specialized reporting, and leadership. Students will edit the newspaper, using the writing and editing skills learned in Introduction to Journalism. (11104A000, Publication Production)

## ***0192 Yearbook Journalism***

***1 Credit***

***Grades 10-12***

Prerequisite: English 9 and Introduction to Journalism

The production of the school yearbook. Students will practice research techniques through surveys and interviews. They will design, write, and take photographs for the book; and, they will sell and design advertisements. Students will learn desktop publishing. The ability to work independently, take initiative, and follow-through on tasks is essential. (11104A000, Publication Production)

## ***01940 Broadcast Media I & II***

***.5 Credit***

***Grades 9-12***

Prerequisite:

Students will learn the fundamentals of broadcast media in this workshop class. They will become aware of how news is communicated to audiences in this technologically advanced age. Strong emphasis is placed on using acceptable language as well as adhering to First Amendment principles. The issues of fairness, accuracy, and ethical behavior will also be emphasized. Students will create a daily or weekly broadcast for the school in a prescribed format. This course may be repeated for credit with instructor permission if enrollments allow. (11103A000, Broadcasting Technology)

# MATHEMATICS

The mathematics department offers a wide variety of courses designed to meet the varying academic needs and interests of students. The courses provide students in the career prep, tech prep and college prep programs with the mathematics background that prepares them for future career, apprenticeship, and educational plans. A student's placement in ninth grade mathematics is based on the student's score on the *Explore* test which is administered to 8<sup>th</sup> grade students in the Belvidere Middle Schools coupled with the recommendation of the eighth grade mathematics teacher. This placement determines the sequence of courses the student will take in the mathematics department. Students are required to earn credit in a three-year sequence of courses in order to meet graduation requirements. It is highly recommended that students who enroll in Pre-Calculus and Calculus have their own graphing calculator.

Number	Title	Credit	9	10	11	12	Prerequisite
0222	Algebra 1 & Enrichment	1.0	X				<i>Note: 1 Math credit and 1 Elective Credit</i>
0210	Algebra 1	1.0	X	X	X	X	
0212	Geometry Ac	1.0	X				Grade of B or better in 8 <sup>th</sup> grade Algebra
0214	Algebra 2 Ac	1.0	X	X			Geometry Ac
0220	Geometry	1.0		X	X	X	Algebra 1
0230	Algebra 2	1.0		X	X	X	Geometry or Intermediate Algebra 2
0232	Intermediate Algebra 2	1.0			X	X	Geometry and Administrator approval
0247	Pre-Calculus Ac	1.0			X		Algebra 2 Ac
0237	Pre-Calculus	1.0			X	X	Algebra 2
02390	Statistics	.5			X	X	Algebra 2 Ac OR Algebra 2
0250	AP Calculus	1.0				X	Pre-Calculus Ac <b>OR</b> Pre-Calculus
0252	AP Statistics	1.0			X	X	Algebra 2 Ac OR Algebra 2
0270	AP Computer Science A	1.0		X	X	X	Algebra 2 or Algebra 2 Accelerated or Concurrent enrollment in Algebra 2



## **MATHEMATICS (CONTINUED)**

**Students are placed in freshman mathematics using a combination of eighth grade student progress and test results.**

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### ***0222 Algebra 1 and Enrichment*      *1 Math Credit and 1 Elective Credit*      *Grade 9***

Prerequisite:

Knowledge of algebra is important for students entering the skilled trades, scientific studies, business careers or education beyond high school. Students will learn about the properties of real numbers, the use of variables and how to solve equations and inequalities. Problem solving skills and the application of algebraic topics to everyday events will be stressed. Graphing calculator and computer activities may be used to stress key concepts. Students will be scheduled for an additional enrichment period for elective credit. Enrichment is designed to help students strengthen their basic mathematics skills and reinforce current algebra concepts. (02999A000, Mathematics Other)

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### ***0210 Algebra 1*      *1 Credit*      *Grades 9-12***

Prerequisite:

Knowledge of algebra is important for students entering the skilled trades, scientific studies, business careers or education beyond high school. Students will learn about the properties of real numbers, the use of variables and how to solve equations and inequalities. Problem solving skills and the application of algebraic topics to everyday events will be stressed. Graphing calculator and computer activities may be used to stress key concepts. (02052A000, Algebra I)

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### ***0212 Geometry Ac*      *1 Credit*      *Grade 9***

Prerequisite: Grade of B or better in 8<sup>th</sup> grade Algebra

This is the second course in a five-year accelerated math program designed to challenge and motivate the best mathematics students. Using a textbook designed for academically talented students, emphasis is placed on geometry for enjoyment and challenge. Enrichment topics include non-Euclidean geometry, topology, and geometric art. Proof is emphasized to a greater degree than in regular geometry. Concept development is stressed with a minimum of drill and practice. Sophomores who take Accelerated Algebra 2 and Accelerated Geometry simultaneously may only do so with the permission of their Algebra 1 teacher and a signed permission form from their parent. (02072A000, Geometry)

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### ***0220 Geometry*      *1 Credit*      *Grades 10-12***

Prerequisite: Algebra 1

The properties of and the relationships between points, lines, planes, and figures are explored in this course along with the generalizations related to these concepts. Algebra skills are reinforced with problem solving that requires multiple-step thinking and logical reasoning. (02072A000, Geometry)

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### ***0214 Algebra 2 Ac*      *1 Credit*      *Grades 9-10***

Prerequisite: Geometry Ac

Algebra 2 Ac is the third course in the accelerated math program designed to challenge and motivate the best mathematics students. Students receive an enriched content of Algebra 1 and Algebra 2 topics. Review and drill are kept to a minimum. Computer applications and work with graphing calculators are included where appropriate. Emphasis is placed on depth of content and problem solving skills in addition to developing algebraic skills. It is recommended that students have a Texas Instrument graphing calculator. Sophomores who wish to take Algebra 2 Ac and Geometry simultaneously may do so, but must have teacher and parent permission. (02056A000, Algebra II)

## **MATHEMATICS (CONTINUED)**

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### ***0230 Algebra 2*** ***1 Credit*** ***Grades 10-12***

Prerequisite: Geometry or Intermediate Algebra 2

Algebra 2 should be taken by all students who plan to attend a 2- or 4-year college, enter the business world, or learn a skilled trade. Problem-solving skills of Algebra are reviewed and extended. Geometric concepts, graphing skills and algebraic techniques are used to solve problems. Daily homework is required. (02056A000, Algebra II)

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### ***0232 Intermediate Algebra 2*** ***1 Credit*** ***Grades 11-12***

Prerequisite: Geometry and Administrator approval

Instruction in this course will focus on meeting the Illinois Learning Standards that are aligned with the ACT mathematics exam. In addition strategies for solving problems using mathematical reasoning will be integrated throughout instruction. This class is not recommended for college bound students. (02056A000, Algebra II)

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### ***0247 Pre-Calculus Ac*** ***1 Credit*** ***Grades 11-12***

Prerequisite: Algebra 2 Ac

Pre-calculus is the fourth course in the accelerated sequence for students with exceptional math skills. It is designed for students who have followed the accelerated sequence of courses who plan to take a full year of Calculus as a senior. Topics include: solving equations, polynomial functions, exponential and logarithmic functions, trigonometry, conic sections, polar coordinates, vectors, probability, statistical analysis, and rational functions. A graphing calculator is highly recommended. Grades will be based upon completion of homework assignments and test scores. (02110A000, Pre Calculus)

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### ***0237 Pre-Calculus*** ***1 Credit*** ***Grade 11-12***

Prerequisite: Algebra 2

Pre-Calculus is the fourth course in the college preparatory mathematics sequence. Success in both semesters of Algebra 2 is a good indicator of success in Pre-Calculus. The focus of instruction during the first semester is on Trigonometry. Trigonometry is necessary for technical careers such as electronics, sciences, engineering and mathematics. Topics include the six trigonometric functions, right triangle trigonometry, radian measure and circular functions, identities, and non-right triangle trigonometry. Problem solving skills acquired in Algebra 2 are used.

The focus of instruction during the second semester is on Analytic Geometry. Algebra, Geometry and Trigonometry are used to study linear equations, quadratics (ellipses and parabolas and hyperbolas), and equations of higher order. Vectors in 2D and 3D as well as polar coordinates are studied. Graphing calculators are used where appropriate. It is recommended that students have a scientific or graphing calculator. (02110A000, Pre-Calculus)

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### ***02390 Statistics*** ***.5 Credit*** ***Grades 11-12***

Prerequisite: Algebra 2 Ac or Algebra 2

Statistics acquaints college bound students with the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Concepts of probability will be included. Students will frequently work on projects involving the hands-on gathering and analysis of real world data. Computers and calculators will allow students to focus deeply on the concepts involved in statistics. A TI-83 graphing calculator is recommended. (02201A000, Probability and Statistics)

## **MATHEMATICS (CONTINUED)**

### **0252 AP Statistics**

**1 Credit**

**Grades 11-12**

Prerequisite: Algebra 2 Ac or Algebra 2

In AP Statistics students learn how to communicate methods, results, and interpretations using the vocabulary of statistics. The course provides instruction in each of the four conceptual themes covered by the AP Statistics Examination: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. Students are taught how to use graphing calculators and computer programs to enhance the development of statistical understanding through exploring and analyzing data, assessing models, and performing simulations. TI-83 or 84 graphing calculators are recommended. AP Statistics provides a smooth transition into college statistics and students are encouraged to take the AP Statistics Examination. (02203A000, AP Statistics)

### **0250 AP Calculus AB**

**1 Credit**

**Grade 11-12**

Prerequisite: Pre-Calculus or Pre-Calculus Ac (recommended)

This is the next course in the honors sequence after Pre-calculus. Topics covered include limits, differentiation, applications of derivatives, integration, and applications of integrals. A graphing calculator is needed. The TI-89 is recommended, but the TI-84 will suffice. Grades will be based upon quiz and test scores as well as completion of homework assignments. Since this is an Advanced Placement class, students will be given the opportunity to take the AP Calculus AB exam. Taking the exam is not a course requirement, but is encouraged. (02124A000, AP Calculus AB)

### **0255 AP Calculus BC**

**1 Credit**

**Grade 12**

Prerequisite: AP Calculus AB or an A grade in Pre-calculus Ac AND teacher recommendation

This is the final course in the honors sequence for the motivated, exceptional mathematics student. Topics covered include differential and integral calculus (now including parametric and polar equations and vectors), logistic differential equations, and polynomial approximations and series with an emphasis on Taylor series and Maclaurin series. A graphing calculator is needed. The TI-89 is recommended, but the TI-84 will suffice. Grades will be based upon quiz and test scores as well as completion of homework assignments. Since this is an Advanced Placement class, students will be given the opportunity to take the AP Calculus BC exam. Taking the exam is not a course requirement, but is encouraged. (02124A000, AP Calculus AB)

### **0270 AP Computer Science A**

**1 Credit**

**Grade 10-12**

Prerequisite: Algebra 2 or Algebra 2 Accelerated or Concurrent enrollment in Algebra 2

This course leads to Advanced Placement testing in Computer Science; however taking the AP test is not required. This course is recommended for accelerated mathematics students and any student entering a math, business, or science-related field. This is NOT a web page design class. It is an object-oriented programming class with an emphasis on problem solving using Java. Java is a programming language that is currently being used all over the world for developing software. For programs that need to operate over the Internet it is often the programming language of choice. Topics covered include all those listed in the AP Computer Science subset which are program design, class design, programming constructs, implementation techniques, testing and debugging, inheritance, exceptions, strings, searching and sorting, and a case study. Other topics covered include formatting output and graphics. This course is offered biannually.

# PHYSICAL EDUCATION/HEALTH EDUCATION

A comprehensive program of physical education and health is offered in our high schools. Daily physical education is required for 4 years of all students as they progress from ninth through twelfth grade. All ninth grade students are required to pass a semester of health education. The physical education program will develop fundamental skills in team sports, individual sports and leisure time activities. The overall objective of the physical education and health teachers is to help each student learn a more satisfying way of life. Students are required to purchase and wear the prescribed PE uniform for PE class.

Sem 1 Sem 2	Course Name	Credit	9	10	11	12	Prerequisite
14010	Health Education	.5	X				
12000 13000	Physical Education 09-10	.5/Sem.	X	X			
12100 13100	Physical Education 11-12	.5/Sem.		X	X	X	

## PHYSICAL EDUCATION REQUIREMENTS

All students are required to enroll in physical education each semester of a student's high school career. Credits earned in physical education classes count toward the students elective graduation requirements. A student may waive the physical education requirement with an athletic or band waiver (see the following page) or during the semester that a student is enrolled in **Classroom Drivers Education** (see Drivers Education in the course catalog)

### Grade 9

Every student will be enrolled in one semester of physical education as well as one semester of Health.

### GRADE 10

Every student will be:

enrolled in a full year of physical education

**OR**

enrolled in one semester of district 100 offered classroom drivers education and one semester of physical education

### GRADES 11 AND 12

Every student will be enrolled in a full year of physical education.

Students may exercise several options, which may reduce the number of physical education courses in which the student enrolls. The options available are identified under Physical Education Exemptions and Waivers on the next page.

## **PHYSICAL EDUCATION EXEMPTIONS AND WAIVERS**

The Illinois School Code allows local boards of education to excuse students from mandated participation in Physical Education only for the following reasons:

### **Category I-Athletics:**

Any 11<sup>th</sup> – 12<sup>th</sup> grade student who participates in an interscholastic athletic program in which there is physical activity for at least 50 minutes per day five times per week is eligible for a waiver from PE for the semester they are participating in the athletic program.

- ❖ Fall Athletic Program participants in **grades 11 and 12** may opt to take a first semester course in lieu of their PE course.
- ❖ Winter Athletic Program participants in **grades 11 and 12** may opt to take a second semester course in lieu of their PE course.
- ❖ Spring Athletic Program participants in **grades 11 and 12** may opt to take a second semester course in lieu of their PE course.
- ❖ Students who participate in two sports seasons in **grades 11 and 12** may opt to take a first semester course plus a second semester course OR a year long course in lieu of their PE courses.

Interscholastic sports at the high schools that qualify for waiver applications are listed below:

**FALL:** Cheerleading, Cross Country, Football, Golf, Poms, Soccer, Swimming, Tennis, Volleyball

**WINTER:** Basketball, Bowling, Competitive Cheerleading, Dance, Swimming, Wrestling

**SPRING:** Baseball, Soccer, Softball, Tennis, Track

### **Category I-Marching Band**

Any 9<sup>th</sup> – 12<sup>th</sup> grade student who participates in the marching band program and is enrolled in a band class is eligible for a waiver from PE only for the fall semester.

- ❖ Marching Band participants in **grades 9, 10, 11, and 12** may opt to take a first semester course in lieu of their PE course.

### **Category II:**

Any 11<sup>th</sup> or 12 grade student who, in order to be granted admission to a specified institution of higher learning, must complete a specific academic course not included in existing state or local minimum graduation standards.

### **Category III:**

Any 11<sup>th</sup> or 12<sup>th</sup> grade student who lacks sufficient course credit or lacks one or more specific courses in order to meet state and local graduation requirements.

If at any time during a semester, a student becomes ineligible for a PE Waiver, the student will not have fulfilled their PE requirement for the semester and is responsible for contacting the guidance counselor to arrange for make-up PE.

Student Transcripts will indicate that the State of Illinois PE requirement has been fulfilled for each semester a waiver is in effect. PE waivers will carry no academic credit value. The cumulative grade point average (GPA) of the student will not be impacted by the PE waiver.

## PHYSICAL EDUCATION/HEALTH EDUCATION (CONTINUED)

### ***14010 Health Education***

***.5 Credit***

***Grade 9***

Prerequisite:

Health - Grade 9, is a required one-semester course. Topics covered in this class include: alcohol, tobacco, drug education, nutrition, mental health, human relationships and CPR. Class activities include: movies, videotapes, filmstrips, guest speakers, group discussions, group reports, individual reports, lectures and readings. (08051A000, Health Education)

### ***12000 Physical Education***

***.5 Credit***

***Grades 9-10***

Prerequisite:

Physical Education 9-10 is a required course for one semester during each of the freshman and sophomore years. Developing physical fitness and fundamental skills in team and individual sport are emphasized. (08001A000, Physical Education)

**Some off-campus PE activities may require additional fees.**

# SCIENCE

The science department offers a wide variety of courses. Students may select from course offerings in the Physical, Life, and Earth science areas all of which emphasize laboratory investigations as part of the problem solving process. Science courses also emphasize the weighing of facts and arriving at valid conclusions by making careful observations.

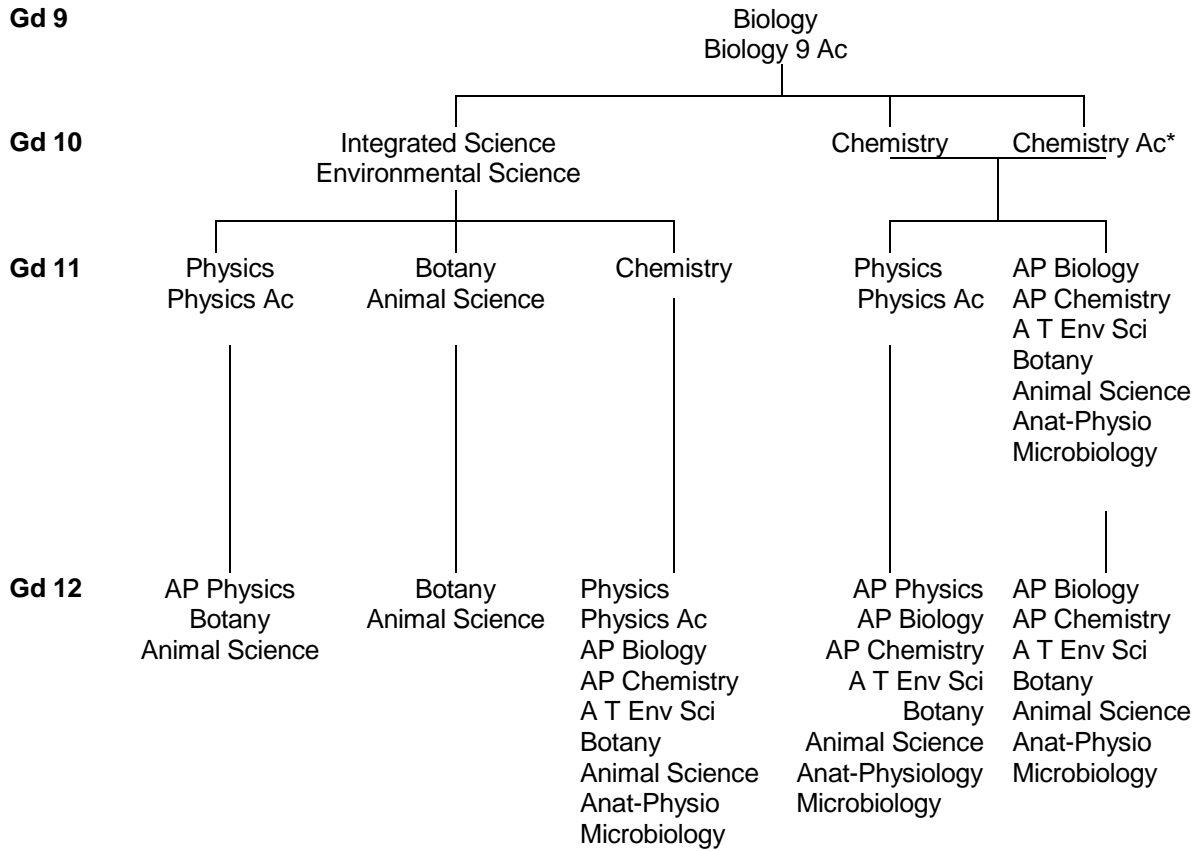
**Students are placed in Biology based on a combination of eighth grade student progress and test results.**

Most Illinois colleges and universities, and many out of state colleges require three years of high school science for college admission. All students are encouraged to plan their science course selections carefully and should consult with their high school science teacher and guidance counselor on a regular basis. Parents are also encouraged to discuss their child's course selection with high school teachers and guidance staff.

Number	Title	Credit	9	10	11	12	Prerequisite
0312	Integrated Science	1.0		X	X	X	At least 1 credit in Science
0335	Environmental Science	1.0		X	X	X	At least 1 credit in Science
0306	Biology	1.0	X	X	X	X	
0303	Biology 9 Ac	1.0	X				
0308	Chemistry	1.0		X	X	X	1 credit in Science and 1 credit in Algebra Note: It is advisable that students enrolling in this course have earned at least a C in Algebra.
0310	Chemistry Ac	1.0		X			Fr Biology Ac and Algebra Note: It is advisable that students enrolling in this course have earned at least C's in Fr Biology Ac and Algebra.
0324	Physics	1.0		*X	X	X	At least 2 credits in Science and 2 credits in Math (See course description) Note: It is advisable that students enrolling in this course have earned at least C's in science and math.
0320	AP Biology	1.0		*X	X	X	Biology and Chemistry
0330	AP Chemistry	1.0			X	X	Biology and Chemistry Note: It is advisable that students enrolling in this course have earned at least C's in Algebra and Chemistry.
0338	Advanced Topics in Environmental Science	1.0			X	X	Biology and Chemistry
0326	Physics Ac	1.0		*X	X	X	At least 2 credits in Science and 2 credits in Math (See course description) Note: It is advisable that students enrolling in this course have earned at least C's in math.
0328	AP Physics	1.0				X	Physics and concurrent enrollment in either Pre-Calculus OR AP Calculus
0615	Botany (BSAA)	1.0			X	X	Biology
0602	Animal Science (BSAA)	1.0			X	X	Biology
03330	Anatomy/Physiology	.5		*X	X	X	Biology & Chemistry
03340	Microbiology	.5		*X	X	X	Biology & Chemistry

\* With Biology teacher's recommendation and signature

# Science Course Sequencing



\* Biology 9 Ac is a prerequisite for Chemistry Ac



## SCIENCE (CONTINUED)

### **0306 Biology**

**1 Credit**

**Grades 9-12**

Prerequisite:

Biology is a **writing intensive** course including units on cell structure, the variety and continuity of living things, microorganisms and disease, plants and animals, ecology and human anatomy and physiology. The study of Biology involves the concept that all things change over time. This is consistent with the Theory of Evolution, which is one of the major themes of Biology. As such, evolution is presented as an integral part of the course content. Numerous laboratory activities are used to reinforce key concepts. Students will also use computers to reinforce key concepts. Homework is given on a daily basis. Grades are based on test and quiz scores, homework, laboratory work, and other written assignments. (03051A000, Biology)

### **0303 Biology 9 Ac**

**1 Credit**

**Grade 9**

Prerequisite:

Biology Ac is a **writing intensive** course designed for high ability students. Students are to be enrolled in this course only if they have been recommended by their eighth grade teacher or have received special permission from the department chairman. Topics of study include units on cell structure, the variety and continuity of living things, microorganisms and disease, plants and animals, ecology and human anatomy and physiology. The study of Biology involves the concept that all things change over time. This is consistent with the Theory of Evolution, which is one of the major themes of Biology. As such, evolution is presented as an integral part of the course content. Numerous laboratory activities are used to reinforce key concepts. Students will also use computers to reinforce key concepts. Homework is given on a daily basis. Grades are based on test and quiz scores, homework, laboratory work, and other written assignments. (03051A000, Biology)

### **0312 Integrated Science**

**1 Credit**

**Grades 10-12**

Prerequisite: At least one credit in Science

This course can be an alternative to Chemistry and provides students with an integrated approach to the universal themes of science that affect their lives. The course uses a thematic approach to teach interrelatedness of selected topics in Biology, Chemistry, Physics, and Geology. Laboratory activities are an important part of the course; and, students are required to complete both class and independent projects and activities as part of the course content. The investigation of major science themes and the impact of science on our everyday lives will be stressed. Students will also investigate the impact of science on societal issues and the use of critical thinking skills in analyzing these issues. Computers will be used to enhance certain concepts. Grades will be based upon test and quiz scores, completion of assigned projects, homework and overall class participation. (03201A000, Integrated Science)

### **0335 Environmental Science**

**1 Credit**

**Grades 10-12**

Prerequisite: At least 1 credit in Science

Environmental Science provides students with a better understanding of the environmental problems facing our world. Units of study include ecology, populations, human impact on the environment, the study of the atmosphere, land, and waters of the earth, and the use of our energy resources. Lab activities are an important component of this course and will be supplemented by computer based research. Field trips to various locations where students can collect and analyze data are also part of the course content. In addition, students will participate in class discussions and projects related to a variety of environmental topics. Grades are based upon quiz and test scores, completion of homework, laboratory work, and projects. (03003A000, Environmental Science)

## SCIENCE (CONTINUED)

### **0308 Chemistry** **1 Credit** **Grades 10-12**

Prerequisite: 1 credit in Science and 1 credit in Algebra.

This course has as its basic theme the study of Chemistry as a scientific endeavor and its relationship to students' everyday experiences. This course provides students with a general understanding of chemistry and introduces them to the importance of making accurate observations in the laboratory. Students in this course will study the structure of the atom, chemical formulas, the nature of solids and liquids, the mole, and the nature of chemical reactions. Laboratory activities are an important component of this course. Algebra skills are used daily. Other group projects and activities will be part of the course content. Grades will be based upon the completion of homework assignments, lab reports, quizzes, chapter tests and other written assignments. (03101A000, Chemistry)

**Note:** It is advisable that students enrolling in this course have earned at least a C in Algebra.

### **0310 Chemistry Ac** **1 Credit** **Grade 10**

Prerequisite: Biology 9 Ac and Algebra

Chemistry Ac has for its basic theme the emphasis of Chemistry as an experimental science. This course provides students with a general understanding of chemistry and introduces the student to the importance of making accurate observations in the laboratory. Students in this course will study the mole concept, chemical reactions, stoichiometry, equilibrium, acids and bases, and the nature of solids, liquids and gases, as well as, the composition of the atom. Grades will be based upon frequent homework assignments, experimental reports, quizzes, chapter tests and other written assignments. This course is intended for the high ability student who welcomes the challenge of an honors level, enriched class. (03101A000, Chemistry)

**Note:** It is advisable that students enrolling in this course have earned at least C's in Biology 9 Ac and Algebra.

### **0324 Physics** **1 Credit** **Grades 10-12**

Prerequisite: At least 2 credits in Science and 2 credits in Math (Algebra 2 recommended)

10<sup>th</sup> graders must have Biology teacher recommendation/signature and be enrolled in, or have passed Algebra 2 with a C or better.

Physics provides students with a conceptual approach to Physics and the basic problem solving involved in Physics. The course will provide students with knowledge about the physical laws that govern our lives on earth. The student will learn about Newton's Laws, the properties of light, and wave motion, magnetism and electricity. Laboratory activities, demonstrations, and student participation in activities will reinforce the text materials. Students will be graded on test and quiz scores, homework assignments, laboratory work, and participation in class. This is a college bound course for non-science majors. Daily homework and studying are vital for success. (03151A000, Physics)

**Note:** It is advisable that students enrolling in this course have earned at least C's in science and math.

### **0320 Advanced Placement (AP) Biology** **1 Credit** **Grades 10-12**

Prerequisite: Biology and Chemistry. 10<sup>th</sup> graders must have Biology teacher recommendation/ signature

AP Biology is designed for those students who plan to attend college and have an interest in science. The course will be similar in content to a first year college level biology course and will focus on biochemistry, genetics and other basic biologic concepts. The course will involve laboratory activities, lectures, demonstrations and discussions. Grades will be based upon, quiz and test scores, participation in classroom activities and laboratory activities. Daily homework and studying are vital for success. Since this is an Advanced Placement class, students will be given the opportunity to take the AP Biology exam. Taking the exam is not a class requirement. (03056A000, AP Biology)

**Note:** For students planning on college majors in Biology or Pre-Med, concurrent enrollment in Anatomy Physiology and Microbiology is suggested.

## SCIENCE (CONTINUED)

### **0330 Advanced Placement (AP) Chemistry                      1 Credit                      Grades 11-12**

Prerequisite: Biology and Chemistry

AP Chemistry is the equivalent of a first-year, college, general chemistry course. The course builds on material covered in Chemistry or Chemistry Ac. Emphasis is placed on laboratory activities which include recording data properly, doing calculations related to the data and solving problems. Problem solving is a very important part of this course. Students are given a large amount of responsibility for the learning activities during the year. At the end of the course students have the option of taking the Advanced Placement (AP) examination in chemistry which may lead to earning first year chemistry credit or advanced standing in college. Grades are based on laboratory write-ups, research papers, problem sets, and unit tests. (03106A000, AP Chemistry)

**Note:** It is advisable that students enrolling in this course have earned at least C's in Algebra and Chemistry.

### **0338 Advanced Topics in Environmental Science 1 Credit                      Grades 11-12**

Prerequisite: Biology and Chemistry

Advanced Topics in Environmental Science is a one year course which directly involves students in gathering, analyzing and reporting data from visits to a variety of natural ecosystems. Students will be involved in individual and group long-term research projects. Many of the lab experiences associated with this course take place out of doors in a variety of weather conditions. Various forms of technology, including the use of the Internet to transmit and analyze data will be used in gathering and sharing information. Having students develop a personal connection to nature will be an emphasis of this course. Environment based literature will enhance the curriculum. Grades will be based upon completion of assigned projects, journal writing, homework, and participation in class discussions. (03003A000, Environmental Science)

### **0326 Physics Ac                      1 Credit                      Grades 11-12**

Prerequisite: At least 2 credits in Science and 2 credits in Math (Acc. Algebra 2 recommended)

10<sup>th</sup> graders must have Biology teacher recommendation/signature and be enrolled in, or have passed Acc. Algebra 2 with a C or better.

Honors Physics involves the study of physical phenomena. Course topics include mechanics, the study of wave motion and light, motion, forces, energy, and electricity. Laboratory work is an important part of the course. The labs supplement the textbook, and serve as reinforcement for many of the major concepts. This physics course is highly recommended for college-bound students interested in careers in science. (03151A000, Physics)

**Note:** It is advisable that students enrolling in this course have earned at least C's in math.

### **0328 Advanced Placement (AP) Physics                      1 Credit                      Grade 12**

Prerequisite: Physics and Concurrent enrollment in Pre-Calculus or in AP Calculus

Advanced Placement Physics is a full year calculus-based physics course. It is comprised of one semester of Newtonian mechanics and one semester of electricity and magnetism. Topics covered include kinematics, Newton's laws of motion, work, energy, power, momentum, circular motion, oscillations, gravitation, electrostatics, conductors, capacitors, circuits, fields, and magnetism. Since this is designed to be a college level class, the course utilizes guided inquiry and student-centered learning to foster the development of critical thinking skills. Hands-on laboratory experiments will account for a minimum of 20 percent of the instructional class time. At the end of the course, students are encouraged to take the AP Physics exam. (03155A000, AP Physics B)

## SCIENCE (CONTINUED)

### **0615 Botany (BSAA)**

**1.0 Credit**

**Grades 11-12**

Prerequisite: Biology

Botany is intended to introduce students to some basic concepts of plant science. The emphasis is on plant physiology but other topics include: Genetics, Reproduction, Hydroponics, and Food Technology. Laboratory work is a major component of instruction and students will spend extensive time working in school greenhouse. Students are expected to complete an independent research project of their own design. Grades are based upon homework, lab reports, tests, and class/lab activities. (03058A000, Botany)

Botany challenges the student to apply the knowledge gained in the first semester and includes in depth study of biotechnology. **Credit earned in Botany will satisfy 1 year of science credit requirements.**

### **0602 Animal Science (BSAA)**

**1 Credit**

**Grades 11-12**

Prerequisite: Biology

The science of agriculture includes Animal Science, Plant and Soil relationships, and the interaction of Agriculture and the Environment. The emphasis in this class is on animal science for the production of food and fiber. Students are expected to complete an independent research project as part of their instruction. Science and math concepts are applied to problem solving in this class and students are encouraged to use technology such as the Internet and computer based methods to assist in learning. (03999A000, Life and Physical Sciences Other) **Credit earned in Animal Science will satisfy 1 year of science credit requirements.**

### **03330 Anatomy and Physiology**

**1 Credit**

**Grades 11-12**

Prerequisite: Biology and Chemistry

**Note:** It is advisable that students enrolling in this course have earned at least C's in their previous Science class. 10th graders may take Anatomy with Science teacher recommendation.

Anatomy and Physiology is a rigorous course for students who desire a more detailed explanation of some of the functions and structures of the human body. This course will be similar in content to a college level Anatomy and Physiology course. Body systems are discussed in detail, and a comprehensive dissection of a representative mammal is used to make comparisons between human and animal systems. Other laboratory investigations are also included. Possible field trips include: visiting a chiropractic office and viewing cadavers. Grades are based on laboratory work, lab practical exams, homework assignments, case studies, and quiz scores. Content will also focus on NGSS engineering standards. (03053A000, Anatomy and Physiology)

### **03340 Microbiology**

**.5 Credit**

**Grades 11-12**

Prerequisite: Biology and Chemistry

**Note:** It is advisable that students enrolling in this course have earned at least C's in their previous Science class.

Microbiology is intended to introduce students to some of the basic concepts and techniques of microbiology. The course includes units of study on lab safety, sterilization procedures, media preparation, inoculating techniques, slide making and bacterial study and identification. The course would serve as excellent preparation for those who intend to pursue careers in medicine, nursing, lab-technology or other health related fields. Grades are based upon laboratory exams, tests, quizzes and lab write-ups. Each student is also expected to complete a research paper dealing with some aspect of Microbiology. Daily homework and study are vital for success. (03060A000, Microbiology)

# SOCIAL STUDIES

Number	Course Name	Credit	9	10	11	12	Prerequisite
0450	World Studies	.5	X				
04170	Ancient World History	.5		X	X	X	
04030	Geography	.5		X	X	X	
04100	Sociology	.5		X	X	X	
04120	Social Problems	.5		X	X	X	
04130	Psychology	.5		X	X	X	
04140	Psychology 2	.5		X	X	X	Psychology
04160	AP Psychology	.5		X	X	X	Psychology
0421	US History	1.0			X		
0430	AP US History	1.0			X		English 10
04090	Economics	.5		X	X	X	
04070	American Government	.5				X	
04400	AP American Government	.5				X	English 11

***0400 World Studies*** ***.5 Credit*** ***Grades 9***

Prerequisite:

World Studies is an interdisciplinary study of the history of the world from ancient time to the present. Emphasis is placed on a thematic approach to the history of Asia, Africa, and the Americas, as well as Europe. The course will develop strands of interdisciplinary study incorporating geography, comparative economics, and comparative government in support of the history instruction. (04051A000, World History Overview)

***04170 Ancient World History*** ***.5 Credit*** ***Grades 10-12***

Prerequisite:

Ancient World History is a survey of major themes in the development of civilization to the Renaissance. This course will emphasize the acquisition and application of social studies skills, such as historical research, analysis and interpretation. Students in this class should have above average reading skills. (04060A000, Ancient and Medieval History)

***04030 Geography*** ***.5 Credit*** ***Grades 10-12***

Prerequisite:

World Geography will develop skills related to geography and other social studies courses. Using geography's unique perspective of spatial relationships a variety of systems will be studied, and the student will develop a comparative understanding of various regions of the world. Major regions studies will include the United States and Canada, Latin America and the Caribbean, Europe, and the former Soviet Union. Reading, writing, and research are important in the course. (04001A000, World Geography)

***04100 Sociology*** ***.5 Credit*** ***Grades 10-12***

Prerequisite:

Sociology is a study of human behavior. The students use basic sociological concepts to develop an understanding of why people react as they do. Class activities such as class discussion and lectures are used to encourage students to form and voice opinions concerning the structure and operation of society. Units of instruction include introduction to sociology, introduction to research, culture, social structure, deviance, social stratification, and the social institutions. (04258A000, Sociology)

## **SOCIAL STUDIES - (CONTINUED)**

### **04120 Social Problems**

**.5 Credit**

**Grades 10-12**

Prerequisite:

A course that applies the methods of sociology to the analysis of specific problem areas affecting society today. Through group discussions and individual inquiry students are encouraged to form and voice political and sociological opinions on causes, effects, and solutions to certain social problems. Topics include: research techniques, crime, poverty and the environment. Several written projects and class presentations are required. (04299A000, Social Sciences Other)

### **04130 Psychology**

**.5 Credit**

**Grades 10-12**

Prerequisite:

This course examines the influences that affect the formation of behavior patterns in humans. Units of instruction include: History of Psychology and Experimental Design, Human Growth and Development, Personality Development, and Stress, Biological Basis of Behavior, Sensation and Perception, and Learning & Psychological Disorders. Class activities include lecture, discussion, lab activities, extra readings, and written assignments. Students electing to take this course thereby agree to participate in class experiments. (04254A000, Psychology)

### **04140 Psychology 2**

**.5 Credit**

**Grades 10-12**

Prerequisite: Psychology

This course is a continuation of Psychology. Units of instruction include Psychological Therapies, States of Consciousness, Thinking & Language, Motivation & Emotion, Psychological Testing, and Intelligence & Social Psychology. This course concludes with a major cumulative project. (04254A000, Psychology)

### **04160 Advanced Placement (AP) Psychology**

**.5 Credit**

**Grades 10-12**

Prerequisite: Psychology

The goals of this course are to learn about the discipline of Psychology, to prepare students to for taking the AP exam in Psychology, and to experience the rigor of college level work while in high school. Emphasis is placed on application of theories from the introductory psychology class as well as new topics. Units of study include: Advanced Personality Theory, Psychological Disorders & Psychological Therapies, Experimental Design & Intelligence, Cognition, Motivation & Emotion, and Social Psychology. Critical thinking is essential to this course. Students will be required to complete application projects and critical thinking exercises as written assignments. The course concludes with a comprehensive book review on a psychological topic. (04256A000, AP Psychology)

### **0421 US History**

**1 Credit**

**Grade 11**

Prerequisite:

This is a two-semester **writing intensive** course. The first semester of US History emphasizes the years from early exploration to 1900. It is concerned with the political, economic and social development of the United States. Past events will be related to present American problems. Students are required to take both semesters of US History to meet requirements for graduation.

The second semester of US History is concerned with the political, economic and social development of our current American culture. Students are required to take both semesters of US History to meet requirements for graduation. (04101A000, U.S. History Comprehensive)

**SOCIAL STUDIES - (CONTINUED)**

**0430 Advanced Placement (AP) American History      1 Credit      Grade 11**

Prerequisite: English 10

Advanced Placement American History is a two semester course, **writing intensive** course providing an in depth study of American history. Through class activities and student presentations, students will use historical methodology to investigate and understand the American character using a seminar approach. This course helps students to prepare for the Advanced Placement Examination. It is designed for students willing and able to do college level work in high school. Recommended for honors level juniors with strong reading and writing skills. (04104A000, AP U.S. History)

**04090 Economics      .5 Credit      Grades 10-12**

Prerequisite:

Economics will develop an initial understanding of our economic system. The concepts of supply, demand, and price structure will be applied in surveying economic decision making. The class is recommended for the college bound and business oriented student. (04201A000, Economics)

**04070 American Government      .5 Credit      Grade 12**

Prerequisite:

American Government is a required course taken during the senior year. It surveys the current American political system with units of instruction in foundations of American government, the legislative branch, the executive branch, the judicial branch, civil rights and liberties, Illinois government, and local government. Additional components will include proper use and display of the American flag and voting and election procedures. Successful completion of this course satisfies the U.S. and Illinois Constitution graduation requirements of the state of Illinois. (04151A000, U.S. Government Comprehensive)

**04400 Advanced Placement (AP) American Government      .5 Credit      Grade 12**

Prerequisite: English 11

American Government is a required course taken during the senior year. It surveys the current American political system with units of instructions in foundations of American government, public opinion, political parties, elections and interest groups, the legislative branch, the executive branch, the judicial branch, civil rights and liberties, Illinois government, and local government. Additional components will include proper use and display of the American flag and voting and election procedures. Successful completion of this course satisfies the U.S. and Illinois Constitution requirements of the State of Illinois. This course helps students prepare to take the Advanced Placement Examination and **is only for students willing and able to do college level work in high school. Recommended for seniors with strong reading and writing skills.** (04159A000, AP Government)

# WORLD LANGUAGES

The World Languages Department offers elective programs in Spanish and German. All courses are taught in sequence from level one through four or five. All World Language courses are one year in length. Some colleges require a minimum of two years of World Language for admission. Completing three to four years of World Language in high school may help meet college graduation requirements.

Number	Course Name	Credit	9	10	11	12	Prerequisite
0500	Spanish 1	1.0	X	X	X	X	
0502	Spanish 2	1.0	X	X	X	X	Spanish 1
0504	Spanish 3	1.0		X	X	X	Spanish 2
0506	Spanish 4	1.0			X	X	Spanish 3
0510	German 1	1.0	X	X	X	X	
0514	German 3	1.0			X	X	German 2
0516	German 4	1.0				X	German 3

## **0500 Spanish 1** **1 Credit** **Grades 9-12**

Prerequisite: Note: It is advisable that students enrolling in this course have earned at least a C in English

Vocabulary and grammatical structure of the language through oral and written exercises and drills. Instruction centers on listening, speaking, reading, and writing the language. The study of Spanish speaking cultures is an important part of the course. Students taking this course should expect to learn information from various subject areas through language study. Daily homework. (06101A000, Spanish I)

## **0502 Spanish 2** **1 Credit** **Grades 9-12**

Prerequisite: Spanish 1

An emphasis on reading, writing, speaking, and listening in Spanish in the classroom with English as an instructional tool. Advanced grammar. Use of audio-visual materials in pronunciation practice. Students taking this course should expect to learn information from various subject areas through language study. Daily homework. (06102A000, Spanish II)

## **0504 Spanish 3** **1 Credit** **Grades 10-12**

Prerequisite: Spanish 2

Extensive reading and increased emphasis on original student work in the areas of speech and composition. Increased focus on oral communication in Spanish. Focus on individual and group projects in order to combine all aspects of the language. Spanish used almost exclusively. Daily homework. (06103A000, Spanish III)

## **0506 Spanish 4** **1 Credit** **Grades 11- 12**

Prerequisite: Spanish 3

A review of the first three years of Spanish with emphasis on grammar, reading, composition, speaking, and understanding the language through independent study and individualized instruction. Reading literature and conversational Spanish is emphasized by using a dual textbook series "Abriendo Paso". The last nine weeks will be devoted to reading novels and legends from Spanish speaking countries to increase cultural knowledge. (06104A000, Spanish IV)



## **WORLD LANGUAGES (CONTINUED)**

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### ***0510 German 1*** ***1 Credit*** ***Grades 9-12***

Prerequisite: Note: It is advisable that students enrolling in this course have earned at least a C in English

The vocabulary and structure of German is learned through oral and written exercises and drills. Learning is achieved through listening, speaking, reading, and writing the language. (06201A000, German I)

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### ***0514 German 3*** ***1 Credit*** ***Grades 11-12***

Prerequisite: German 2

A continuation of the study of German language and culture. Increased length of German reading and writing. A continuation of the study of the German culture, and various stories are read. Optional video project. Practical use of language is included. Daily homework. (06203A000, German III)

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### ***0516 German 4*** ***1 Credit*** ***Grade 12***

Prerequisite: German 3

The entire system of German grammar is reviewed in preparation for college placement tests and a literary selection is read. Reading and writing is stressed, as is the German culture. Students may produce an optional video project. Spoken language is used in more real-life settings and improvisations. Daily homework. (06204A000, German IV)