

**NEWARK COMMUNITY  
HIGH SCHOOL  
DISTRICT NO. 18**



**COURSE CATALOG  
2011-2012**

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# INTRODUCTION

This booklet identifies the curriculum offered at Newark Community High School. As each course is listed, important information is noted in the course heading followed by a brief description of the course content.

Students and parents are encouraged to take the time to construct a four-year plan using the blank form at the end of this booklet. Consider the following as you do this:

1. Do these courses meet NCHS graduation requirements?
2. Do these courses meet the student's needs regarding preparation for career choices?
3. Are these courses within the student's ability and do they help develop or enhance his/her interests?

## **NCHS Graduation Requirements:**

English	4 credits	Computer Education*	1 credit
Mathematics	3 credits	Consumer Economics	1/2 credit
Science	2 credits	Driver Education	1/2 credit
Social Studies	2 credits	Introduction to the Arts*	1/2 credit
Senior Seminar	1/2 credit	Health	1/2 credit
		Physical Education	1/2 credit per year

*\*Keyboarding, Computer Applications, and Intro to the Arts should be taken Freshman year.*

Required courses plus electives must equal **28** credits in addition to a successful Portfolio and Senior Project Presentation.

### In addition, all students must:

1. Take eight (8) classes each semester including P.E. all four years.
2. Pass the State and Federal Constitution tests.
3. Obtain pre-approval for the number of credits earned through community college courses, correspondence courses, summer school, and evening classes. (See handbook)

### NCHS allows the following State guidelines for exemption from Physical Education for students in grades 11 and 12:

1. The student provides written evidence from an institution of higher education that a course is required for admission that the student cannot otherwise fit into his/her schedule.
2. The student lacks sufficient course credit for graduation.

Students who have a medical exemption from PE for the duration of a semester will enroll in another course.

## General High School Program

The General High School Program can best be described as a program of study that includes coursework that will provide a strong educational foundation as well as courses that give the student an opportunity to explore possible career or vocational choices. For example, a student who may consider entering one of the trades (agribusiness, mechanic) may combine the academic program with elective courses offered in the Agriculture Department or the Indian Valley Vocational Center (IVVC). A student thinking of a career in business or office occupations may combine academic studies with elective courses offered in the Business Department. A student thinking of a career in the food industry or child care may combine academic studies with electives taken in the Family and Consumer Science Department or IVVC.

The following courses will satisfy the credits needed to graduate in the various disciplines:

- **English**—Literature & Composition I and II are required. The third and fourth English credits may come from American Literature III, World Literature III, Speech, Creative Writing, Dramatic Literature, Grammar & Rhetoric, Senior Seminar, and British Literature.
- **Fine Arts**—Introduction to the Arts is required.
- **Mathematics**—all courses listed in the Mathematics section will meet this requirement. Two years must come from a course with Algebra content and a course with Geometry content.
- **Science**—Biology or Intro to Lab Sciences is required. The second science credit may come from all courses listed in the Science Section and the following courses from the Ag Section: Agricultural Science, Biological Science Applications in Agriculture, and Greenhouse Production & Turf Management courses (as listed in both the Agriculture and Science sections).
- **Social Studies**—U.S. History/American Government is required, plus 1 credit in social studies electives. All courses are listed in the Social Studies section.

### College Preparatory:

Please refer to a copy of the summary of minimum preparation and admission requirements for baccalaureate degree transfer programs in community colleges and baccalaureate degree programs in public universities. This information is available in the Guidance Office and is updated by the universities each year. A typical guideline is: 4 years of English; 3 year of Mathematics; 3 years of Science; 3 years of Social Studies; 2 years of Fine Arts, Vocational Education, or Foreign Language.



## **Indian Valley Vocational Center**

Juniors and Seniors may elect to participate in programs offered at the Indian Valley Vocational Center in Sandwich. Information describing the various programs can be found on page 35.

Students must apply to attend the vocational center. The initial criteria that must be met before a student can apply to IVVC are:

1. submit an approved four-year plan with the intent to complete NCHS graduation requirements and not be an early graduate;
2. pass a related orientation course with a grade of C or better. For a list of orientation courses that match with IVVC programs, see "IVVC Programs and NCHS Orientation Courses" in this booklet;
3. have post-grad career plans relative to an IVVC program.

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## **Articulated Credit**

Waubensee Community College and Joliet Junior College award articulated credit when learning experiences at NCHS duplicate those at the college level. Articulated credit enables students to save time and avoid duplication of material already learned in high school. Articulated credit is awarded by the community college and can be applied toward a certificate or two-year degree program. Information on applicable courses is available in the Guidance Office. (See following page)

# Newark High School Articulated Credit

<b>Newark High School</b>	<b>Waubensee Community College</b>	<b>Credits</b>
Architectural Drafting I and II (21103A001/002)	Residential Architectural Drafting (CAD140)	3
Keyboarding (12005A001)	Keyboarding (AOS100) and Beginning Word Processing (MCS130)	1 1
<hr/>		
<b>Newark High School /IVVC</b>	<b>Joliet Junior College</b>	<b>Credits</b>
Culinary Arts II-IVVC (16055A001)	Exploring the Hospitality Industry (HRM120)	3
Agribusiness Ops-Newark (18202A001)	Supply Business (AGRI120)	3
Ag Mechanics & Tech-Newark (18402A001)	Intro to Ag Mechanization (AGRI150)	3
<hr/>		
<b>Indian Valley Voc. Center (IVVC)</b>	<b>Waubensee Community College</b>	<b>Credits</b>
Auto Body Repair I & II (20116A001/002)	Auto Body Repair (AB)	By Exam
Automotive Technology II (20104A002)	Fundamentals of Auto Tech (AUT100)	2
Building Trades II (17002A002)	Construction Industry Internship (CMT298)	2
Computer Technology I (10252A001)	PC Hardware Fundamentals (ELT171) and Intro to Microcomputer Hardware (CIS190) and Intro to Windows (MCS120)	4 1 1
Drafting and Design I (21103A001)1st Sem.	Basic Technical Drawing (CAD100)	3
Drafting and Design I (21103A001) 2nd Sem.	Blueprint Reading (CAD195) and Residential Architectural Drafting (CAD140)	2 3
Drafting and Design II (21103A002)	Introduction to 2D CAD (CAD102)	3
Early Childhood Development I (19054A001)	Career Explorations in Early Childhood (ECE102)	3
Early Childhood Development II (19055A001)	Intro. to Early Childhood Educ. (ECE101)	3
Fire Science I (15152A001)	Fire Science I (FSC100) and Fire Science II (FSC 110)	4 4
Fire Science II (15152A002)	Hazardous Materials Operations (FSC120) and Fire Apparatus Engineer (FSC140) and Fire Science III (FSC200) and Fire Science IV (FSC 210)	3 4 4 4
Graphic Communications (11154A001/002)	Computer Illustrator (GRD 160) and Digital Image (GRD170)	3 3
Health Occupations II (14051A001)	Medical Terms for Health Occ. (AOS222)	1
Law Enforcement I (15051A003)	Patrol Operations (CRJ105)	3
Welding & Fabrication I and II (13207A001/002)	Oxy-Fuel Welding & Cutting (WLD115) and Shielded Metal Arc Welding (WLD120)	3 3
<hr/>		
<b>Indian Valley Voc. Center (IVVC)</b>	<b>Kishwaukee College</b>	<b>Credits</b>
Foundations of Early Childhood Education	Early Childhood Development I and Early Childhood Development II	3

(Effective 5/29/08)

## Progress Reports

Starting with the 2010-2011 school year, Progress Reports will only be mailed to parents if the student is receiving a D or F in one or more classes. Parents should use PowerSchool to keep track of their son or daughter's grades. Teachers are required to contact parents if a student is failing a class at the midpoint of the quarter. However, parents are urged to contact the students' teachers at any point during the school year if the student is doing unsatisfactory work in a class. Teachers can be contacted by email or by calling the school office. Email addresses can be found on the school's website under Personnel at [www.newarkhs.k12.il.us](http://www.newarkhs.k12.il.us).

***We, at Newark High School, are committed to providing a quality education for our students. Please feel free to contact the School Counselor if you need assistance in sharing in this endeavor with us.***

Our Vision:

### **LEARNING DRIVES SUCCESS**

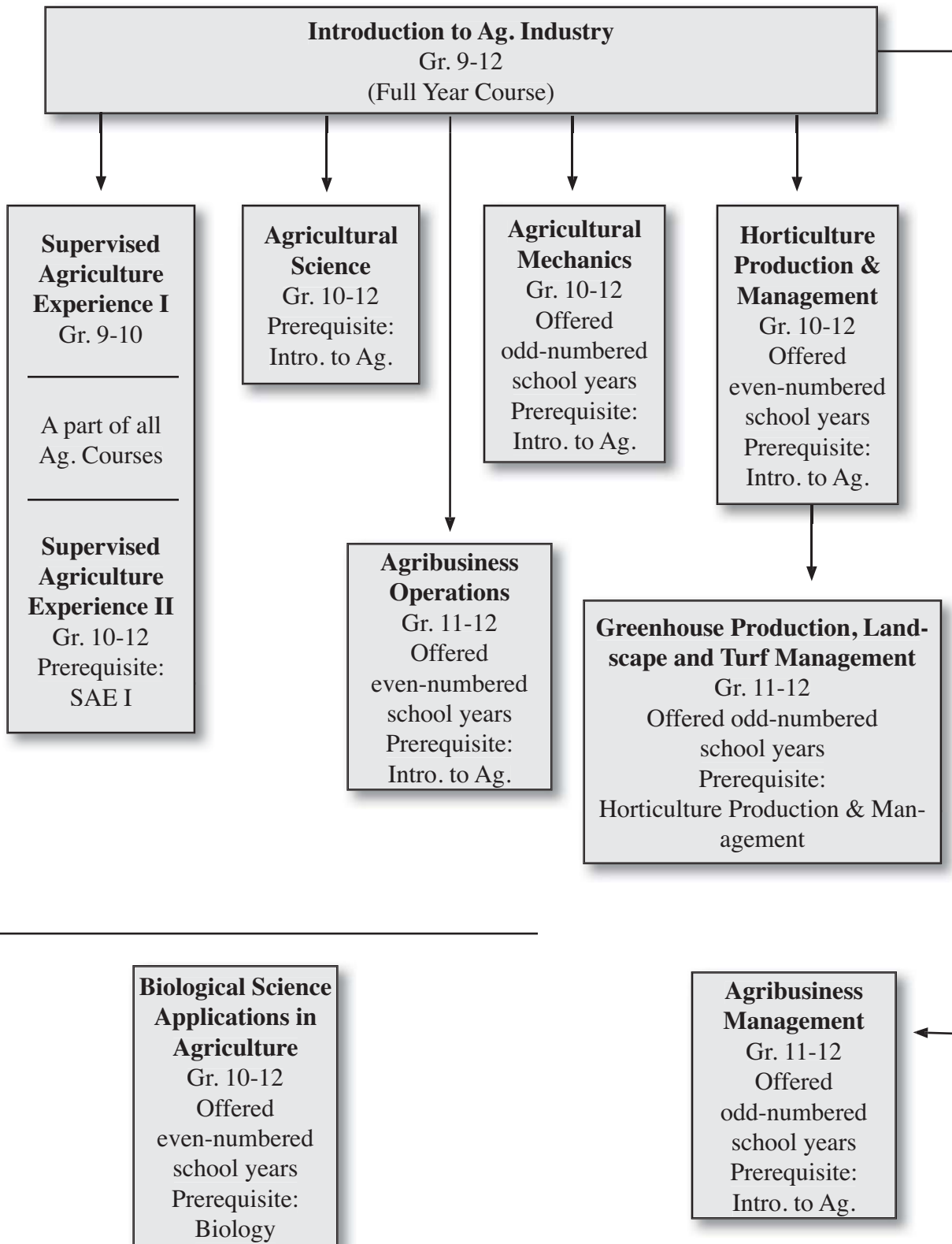
Key Beliefs:

- Educate for tomorrow
- Interact with integrity
- Respect diversity

Odd-numbered school years	
2011-2012	2013-2014
2015-2016	2017-2018

Even-numbered school years	
2010-2011	2012-2013
2014-2015	2016-2017

# AGRICULTURE



## AGRICULTURE

College entrance requirements may include 1 to 2 credits from an Electives area including vocational educational courses. Any of the following courses may be used to meet that requirement.

<u>Introduction to Ag Industry</u>	Grade: 9, 10, 11, 12
Course #AGO100	Length: 2 semesters
Prerequisite: None	Credit: 1
Elective	Fee: 10.00
State Title: Introduction to the Agricultural Industry	State #: 18001A001

This orientation course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national, and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, agricultural mechanics, agricultural biotechnology, food science technology, environmental science, and aquacultural science and technology will be presented. The development of leadership, employability, and computer skills will also be taught. Because FFA and Supervised Agricultural Experience Programs (SAE) are integral components of this course, students are encouraged to participate in activities of the FFA organization.

All students are **required** to join the FFA and to have a satisfactory Supervised Agricultural Experience Program (SAE).

<u>Supervised Agricultural Experience I</u>	Grade: 9, 10
Course #AGO101	Length: 1 semester
Prerequisite: Enrollment in Ag Course	Credit: 1/4 per semester
Elective	Fee: 2.00
State Title: None	State #: No State #

This orientation program is for students in the 9th and 10th grades. Students receiving vocational credit in this area must be enrolled in an approved agricultural program sequence. Individual students will have a minimum of one approved project or acceptable plans for doing so. Supervised study, project record book work, training plans and agreements, report writing, and instructor project visitation and supervision are essentials of the supervised occupational experience as well as basic employability and transition skills and work ethic. **All SAE work is done outside the regular school hours.**

A student may earn a maximum of two credits through SAE I and SAE II and use these credits toward graduation. When two credits are earned, a student may opt to enroll in a SAE without credit in order to compete for FFA awards or scholarships.

<u>Agricultural Mechanics and Technology</u>	Grade: 10, 11, 12
Course #AGO201	Length: 2 semesters
Prerequisite: Intro to Ag	Credit: 1
Elective	Fee: 20.00
State Title: Agricultural Mechanics & Technology	State #: 18402A001

**This course will be offered in odd-numbered school years.** This course will concentrate on expanding the student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry and already introduced in Basic Agricultural Mechanics problem areas. Units of instruction should provide applications within the following integrated systems: Machinery and Equipment; Environmental/Natural Resources; Structures; Energy; and Industrial/Marketing. Examples of units included are Design, Construction, Fabrication, and Maintenance; Welding; Electricity/Electronics; Internal Combustion Engine; Hydraulics; Environmental/Natural Resources Management; and Employment Skills. Microcomputer applications are utilized as they relate to each instructional unit. Because FFA and Supervised Agricultural Experience Programs are integral components of this course, students are encouraged to participate in activities of the FFA organization.

All students are **required** to join the FFA and to enroll in Supervised Agricultural Experience I Program both semesters.

<u>Agricultural Science</u>	Grade: 10, 11, 12
Course #AGO200	Length: 2 semesters
Prerequisite: Intro. to Ag	Fee: 10.00
Elective	Credit: 1
State Title: Basic Agricultural Science	State #: 18003A001

This second year orientation course builds on basic skills and knowledge gained from the introductory course. Major units of instruction include advanced plant and soil science, advanced animal science and agricultural mechanics skills necessary for maintaining and repairing equipment and/or facilities. Applied math/science skills are stressed throughout the course. Microcomputer applications are utilized as they relate to each instructional unit. Students are also briefed on basic employability, transitional skills, and work ethic.

All students are **required** to join the FFA and to have a satisfactory Supervised Agricultural Experience Program. **This course may be used toward NCHS Science credits, but may not count for college entrance requirements. Check catalog of desired college.**

<u>Biological Science Applications in Agriculture</u>	Grade: 10, 11, 12
Course #AGO202	Length: 2 semesters
Prerequisite: Biology	Credit: 1
Elective	Fee: 10.00
State Title: BSAA - Plants	State #: 18051A002

**This course will be offered in even-numbered school years.** This course is designed to reinforce and extend a student's understanding of sciences by associating basic scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions. This course will deepen the student's understanding of science through the numerous laboratory exercises and experiments. Students will develop a science project which will be shown at the State FFA Science Fair.

Students who graduate from NCHS with a grade of B or higher in this course can use this course as a college-prep science credit at any NCAA school across the nation.

All students are **required** to join the FFA and to have a satisfactory Supervised Agricultural Experience Program. **This course may be used toward NCHS Science credits. Check catalog of desired college for use in admission requirements.**

<u>Horticulture Production and Management</u>	Grade: 10, 11, 12
Course #AGO301	Length: 2 semesters
Prerequisite: Intro. to Ag	Credit: 1
Elective	Fee 15.00
State Title: Horticultural Production & Management	State #: 18051A001

**This course will be offered in even-numbered school years.** This course concentrates on two important areas in horticulture. Major units of study include growing greenhouse crops, producing nursery crops, designing floral arrangements, and operating a garden center. Agribusiness units will be introduced in merchandising, advertising and displaying horticulture products, as well as selling horticulture products and services. Leadership skill development is an integral part of this program and is delivered through the vocational student organization (FFA) activities. Individualized instruction learning reinforcement is provided through Supervised Agricultural Experience Programs (SAE) maintained by each student.

All students are **required** to join the FFA and to have a satisfactory Supervised Agricultural Experience Program. **This course may be used toward NCHS Science credits.**

### Greenhouse Production, Landscape and Turf Management

Course #AGO305	Grade: 11, 12
Prerequisite: Hort. Production & Management	Length: 2 semesters
Elective	Credit: 1
State Title: Greenhouse Production & Floral Design	Fee: 25.00
	State #: 18053A001

**This course will be offered in odd-numbered school years.** This course focuses on the greenhouse management, landscape, nursery and turf segments of the horticulture industry. Major units of study include floriculture plant identification, greenhouse structures, and the culture of greenhouse crops. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a retail floral business. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

All students are **required** to join the FFA and to have a satisfactory Supervised Agricultural Experience Program. **This course may be used toward NCHS Science credits.**

### Agribusiness Operations

Course #AGO302	Grade: 11, 12
Prerequisite: Intro. to Ag	Length: 2 semesters
Elective	Credit: 1
State Title: Agricultural Sales & Marketing	Fee: 10.00
	State #: 18202A001

**This course will be offered in even-numbered school years.** This preparation course is designed to develop student knowledge and skills in the area of agribusiness operations. Instructional units include the organization and functions of agricultural businesses, agricultural business math, agricultural business procedures including microcomputer applications and human relations skills, as well as sales-related duties. Another goal of this course is to increase student knowledge and skills in appropriate agricultural product and service areas indicated by regional and/or state labor market data. Students are also exposed to advanced employability and transitional skills and work ethic.

Students who graduate from NCHS with a grade of B or better in Agribusiness Operations will be granted college credit at Joliet Junior College which is part of the occupational agriculture programs. The maximum number of credits to be awarded under this agreement with JJC is 3 credit hours, and these credits will apply toward the certificate and/or the applied science degree programs at JJC.

All students are **required** to join the FFA and to have a satisfactory Supervised Agricultural Experience Program. Students who have taken the Agribusiness Management class may take this class.

### Agribusiness Management

Course #AGO303	Grade: 11, 12
Prerequisite: Intro. to Ag	Length: 2 semesters
Elective	Credit: 1
State Title: Agricultural Business Management	Fee: 10.00
	State #: 18201A001

**This course will be offered in odd-numbered school years.** This preparation capstone course is designed to develop student skills in the areas of advanced agricultural business procedures, establishment of agricultural business, managing the agribusiness, financing the agribusiness, marketing and advertising, sales techniques and strategies. Product knowledge is stressed as it relates to the Valley Education for Employment System's economic base. Students are also exposed to advanced employability, transition skills and work ethic.

All students are **required** to join the FFA and to have a satisfactory Supervised Agricultural Experience Program. Students who have taken the Agribusiness Operations class may take this class.

Supervised Agricultural Experience II

Course #AGO304

Prerequisite: SAE I

Elective

State Title: None

Grade: 11, 12

Length: 1 semester

Credit: 1/4 per semester

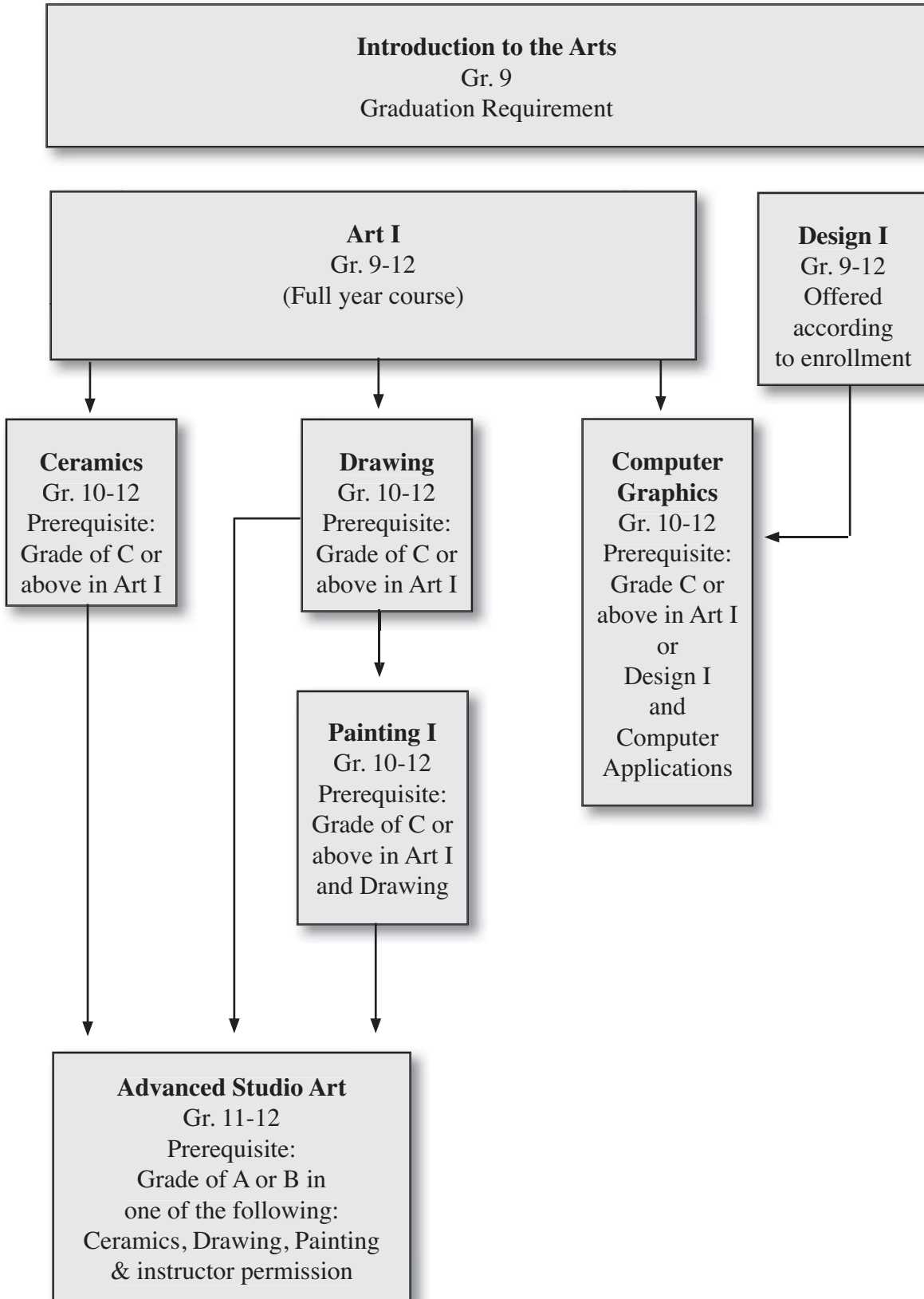
Fee: 2.00

State #: No State #

This experience program is for 11th and 12th grade agricultural students. The opportunities and responsibilities are similar to those discussed under Supervised Agricultural Experience I, with the exception that the experiences are conducted at a more advanced level of skill training. The project should be expanded as the student progresses through the agricultural program. Emphasis will be placed upon entry level employability skills. **All SAE work is done outside the regular school hours.**

A student may earn a maximum of two credits through SAE I and SAE II and use these credits toward graduation. When two credits are earned, a student may opt to enroll in a SAE without credit in order to compete for FFA awards or scholarships.

# ART



## ART

College entrance requirements may include 1 to 2 credits in a Fine Arts or Electives area. Any of the following courses may be used to meet that requirement.

NOTE: Art I and Introduction to the Arts will be taught every year. All other ART courses will be offered as identified in the course description.

<u>Art I</u>	Grade: 9, 10, 11, 12
Course #ART110	Length: 2 semesters
Prerequisite: None	Credit: 1
Elective	Fee: 35.00
State Title: Art I	State #: 05154A000

In Art I, the basic principles of design: line, shape, value, texture, and color are introduced through a variety of media and projects. Art I is a general introductory course designed for all students. This course introduces students to the concepts of aesthetics, art criticism, art heritage, and art making. Topics of art include the meaning of art, lives of artists, styles of art, and the basic techniques of drawing, painting, and sculpture. A weekly sketchbook is required.

<u>Ceramics I</u>	Grade: 10, 11, 12
Course #ART210	Length: 1 semester
Prerequisite: Grade of C or above in Art I	Credit: 1/2
Elective	Fee: 20.00
State Title: Ceramics	State #: 05159A000

**This course will be offered in the fall according to enrollment.**

Ceramics I is a semester course in which an introduction to clay places an emphasis on the exploration of hand building techniques with some sculpture, glaze application, and kiln experience. This course also addresses issues of three-dimensional design as they pertain to contemporary ceramics. Weekly sketches are required.

<u>Introduction to the Arts</u>	Grade: 9, 10, 11, 12
Course #ART211	Length: 1 semester
Prerequisite: None	Credit: 1/2
Required	Fee: 30.00
State Title: Introduction to the Arts	State #: 05151A000

This course is designed to provide NCHS students the opportunity to achieve a truly well-rounded education by offering a course that combines the disciplines of art, architecture, drama, music, and dance. It will explore the development and impact of the arts throughout history. This course will awaken an appreciation for the arts in everyday life. In addition, no prior experience in any of the arts is necessary for successful completion of this course. Further, it may serve to partially fulfill the Fine Arts admission requirement at post secondary institutions.

<u>Computer Graphics</u>	Grade: 10, 11, 12
Course #ART212	Length: 1 semester
Prerequisite: Grade of C or above in Art I or Design and Computer Applications	Credit: 1/2
Elective	State #: 05162A000
State Title: Computer Graphics	

Computer Graphics is a semester course designed to allow the student to discover the drawing, painting, and image making applications of professional image editing software. Students create works of fine art and explore product design using the elements and principles of art. Weekly sketches are required.

<u>Design I</u>	Grade: 9, 10, 11, 12
Course #ART213	Length: 1 semester
Prerequisite: None	Credit: 1/2
Elective	Fee: 20.00
State Title: Design	State #: 05199A000

**This course will be offered according to enrollment.**

Design I is a course that will focus on the exploration, study, and application of the principles and elements of design. Course objectives include acquisition of technical skills and introduction to a variety of materials. The study of design of elements and principles is also expressed through the form and structure of three-dimensional space. The course will systematically explore general considerations in the use of line, shape, form, space, texture, value, and color in two-dimensional works, and an extension of these understandings into three dimensions.

<u>Drawing I</u>	Grade: 10, 11, 12
Course #ART214	Length: 1 semester
Prerequisite: Grade of C or above in Art I	Credit: 1/2
Elective	Fee: 20.00
State Title: Creative Arts - Drawing	State #: 05156A000

Drawing I is a semester course designed to develop the ability to draw with ease and flexibility and provide a comprehensive and systematic introduction to the art of drawing. Instruction in the use of a variety of materials is combined with the elements of art to provide the fundamentals in visual perception, focusing on the mastery of traditional skills as the basis for expressive drawing. Each topic is accompanied by a rich selection of studio projects designed both to allow beginning students to master skills and to encourage advanced students to use those skills creatively and expressively. The course promotes an exploration of ideas in imagery and self-expression. Weekly sketches are required. **This course will be taught Fall semester.**

<u>Painting I</u>	Grade: 10, 11, 12
Course #ART215	Length: 1 semester
Prerequisite: Grade of C or above in Art I and Drawing	Credit: 1/2
Elective	Fee: 20.00
State Title: Creative Arts - Painting	State #: 05157000

Painting I provides instruction in oil, watercolor, tempera, and acrylic painting. The class explores the fundamentals of color theory and technique along with development of personal imagery with a parallel enhancement of basic skills and structural knowledge. It is an introduction to painting through exercises and experiments to acquire control of the medium and motivate the student to paint subjects of interest. **This course will be taught Spring semester.**

<u>Advanced Studio Art</u>	Grade: 11, 12
Course #ART310	Length: 1 semester
Prerequisite: Grade A or B in one of the following: Ceramics, Drawing, Painting, & instructor permission.	Credit: 1/2
	Fee: 17.50/semester
	State #: 05197A000
	Elective

State Title: Visual Arts - Independent Study

Advanced Studio Art can be taken for one or two semesters. It is a course that enables the student to pursue advanced training within the diverse spectrum of art. Materials and subject matter are chosen by the student with the instructor's consent. An emphasis will be placed on the student to expand the knowledge of his/her particular interest. Beyond two semesters, a grade of A or B in Advanced Studio or teacher recommendation will be required.

# BUSINESS

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**Introduction to Business**  
Gr. 10-12

**Accounting I**  
Gr. 10-12  
Sophomores: Grade of A or B  
in Algebra I and permission  
of instructor



**Advanced Accounting**  
Gr. 11-12  
Prerequisite: Accounting I  
Offered Fall Semester According to  
Enrollment

**Business  
Law**  
Gr. 11-12

## BUSINESS

College entrance requirements may include 1 to 2 credits in Electives area. Any of the following courses may be used to meet that requirement.

<u>Introduction to Business</u>	Grade: 10, 11, 12
Course #BUS220	Length: 1 semester
Prerequisite: None	Credit: 1/2
Elective	State #: 12051A000
State Title: Introductory Business	

This course is designed to be an orientation to business. The establishing, operating, and managing of today's businesses are explored by studying successful businesses and people. Students are introduced to specific topics including: financing, marketing, production, information systems, human resources, and management.

<u>Business Law</u>	Grade: 11, 12
Course #BUS322	Length: 1 semester
Prerequisite: None	Credit: 1/2
Elective	State #: 12054A000
State Title: Business Law	

This course will introduce the legal system and how it affects businesses. This course is designed to give up-to-date coverage of traditional business law topics. This course stresses legal principles essential to everyday life. The topics covered are: understanding the "why" and "what" of law, understanding special laws, making binding agreements, contracts, credit, sales contracts for minors, and laws for the business firms.

<u>Accounting I</u>	Grade: 10*, 11, 12
Course #BUS321	Length: 2 semesters
Prerequisite: None *Sophomores: Grade of A or B	Credit: 1
in Algebra I or permission of	Fee: 30.00
instructor	State #: 12104A001
Elective	
State Title: Accounting I	

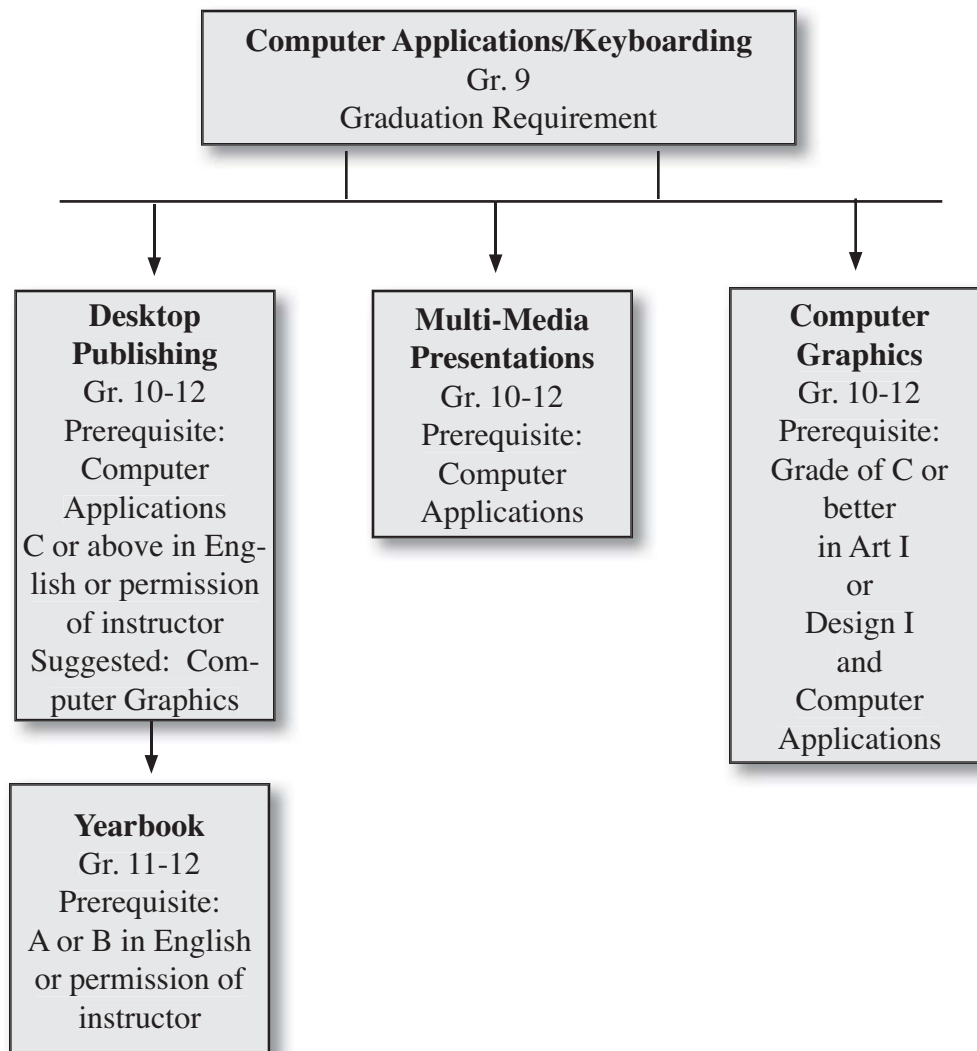
This course is designed to help the college bound business student, the vocational student and the student who would like an accounting background for personal use. Course content includes: business terminology, mathematical functions, ability to interpret and analyze business papers and records, preparing financial statements and forms necessary in the accounting cycle. Students will do accounting simulations for proprietorships and partnerships as service and merchandising businesses.

<u>Advanced Accounting</u>	Grade: 11, 12
Course #BUS323	Length: 1 semester
Prerequisite: Accounting I	Credit: 1/2
Elective	Fee: 30.00
State Title: Accounting II	State #: 12104A002

This course will continue from Accounting I. Students will learn corporate accounting, including the concepts of purchases and discounts, international sales, depreciation, uncollectible accounts, dividends, and financial statements. **This course will be taught in the Fall semester according to enrollment.**

# COMPUTER EDUCATION

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## COMPUTER EDUCATION

College entrance requirements may include credits in the following courses to fulfill Elective requirements.

<u>Computer Applications/Keyboarding</u>	Grade: 9
Course #CPT162	Length: 2 semesters
Prerequisite: None	Credit: 1
Required of all freshmen	State #: See Below*
State Title: See Below*	

A year-long course in which basic skills are developed by emphasizing correct "touch key" techniques, speed, accuracy, and proper document formatting including: letters, memos, and short reports. Students will be introduced to the Microsoft Office software, Adobe Photoshop, Adobe InDesign, iMovie, and Internet application programs. Students will also learn how to use a scanner, digital still cameras, and digital video cameras.

\*Semester one is Computer Concepts & Software Applications (10004A001) and semester two is Keyboarding & Formatting (12005A001).

<u>Desktop Publishing</u>	Grade: 10, 11, 12
Course #CPT260	Length: 2 semesters
Prerequisite: Computer Applications required	Credit: 1
Computer Graphics suggested	State #: 11152A000
C or above in English or permission of instructor	

Elective

State Title: Desktop Publishing

An introductory course using text and graphic software. This course will be a project-oriented course. Students will design and produce computer-generated publications including the school newsletter and other related published works. **Students enrolling in a 3rd or 4th semester must have a B or better in previous Desktop Publishing semesters or permission of instructor.**

<u>Multi-Media Presentations</u>	Grade: 10, 11, 12
Course #CPT262	Length: 1 semester
Prerequisite: Computer Applications	Credit: 1/2
Computer Graphics suggested	State #: 11153A000

Elective

State Title: Digital Media Design & Production

Students will learn how to capture, edit, and enhance digital images to create digital stories using specialized software including iMovie, Quick Time, Sound Master, Photo Shop, and Powerpoint. This is a production oriented course.

<u>Computer Graphics</u>	Grade: 10, 11, 12
Course #ART212	Length: 1 semester
Prerequisite: Grade of C or above in Art I or	Credit: 1/2
Design I and Computer Applications	State #: 10202A001

Elective

State Title: Digital Graphics

Computer Graphics is a semester course designed to allow the student to discover the drawing, painting, and image making applications of Professional Image editing software. Students create works of fine art and explore product design using the elements and principles of art. Weekly sketches are required. **This class will be taught Fall semester based on enrollment.**

Yearbook

Course #CPT310

Prerequisite: A or B in English or  
permission of instructor

Grade: 11, 12

Length: 2 semesters

Credit: 1

State #: 11104A000

Elective

State Title: Publication Production

In this course, students will learn and practice specialized areas of yearbook production including theme development, ladder development, color distribution, editing, copy writing, layout design and photography selection. In addition to these skills, students will analyze the language, theories, and styles of composition employed in photojournalism. The planning of, writing for, and production of the NEW-ARK-O becomes the lab to practice and test skills learned in the course.

# Consumer Economics

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**Consumer Economics**  
Gr. 12  
(Gr. 11 with permission)  
Offered Fall & Spring  
semester  
**Graduation Requirement**

This course is required by the State of Illinois to graduate from high school. All seniors will automatically be registered for this course. The course may be taken during the junior year if permission is granted. If a student fails this course, the course must be taken outside NCHS in order to meet graduation requirements. No student shall graduate or participate in graduation ceremonies until proof of course completion is received.

Consumer Economics

Course #CEC440

Prerequisite: None

Required

State Title: Family Resource Management & Planning

Grade: 12 (11 with permission)

Length: 1 semester

Credit: 1/2

State #: H22210A001

This course provides an overview of the roles of the individual, business, government, and foreign trade in the American economy. The individual economic roles of earning income, consuming, evaluating resources, and performing as a citizen (voter) are carefully examined.

Special emphasis is placed on the consumer activities of buying, saving, borrowing, budgeting, investing, insuring, goal-setting, rights and responsibilities, and management of resources. The student will complete a checkbook simulation packet and complete single tax forms. As a result of this class, the student will be able to operate more intelligently and efficiently as a member of our society.

**This course is required by the State of Illinois.**

# DRIVER EDUCATION

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## **Driver Education**

Gr. 10

Prerequisite:

Must have a passing grade in 8 courses during the previous 2 semesters and must be 15 years old at start of term

**Graduation Requirement**

\*The parent should be able to commit to 25 hours of practice driving during the semester the student is enrolled in the driver education class. If the parent cannot make this commitment, they should consider not enrolling the student in driver education. Students will have various driving assignments during the semester that will need to be completed with the parent(s) outside school hours, and these assignments will be a part of the classroom grade.

## DRIVER EDUCATION

### Driver Education

Course #DED280

Prerequisite: Earned a minimum of 4 credits  
in previous 2 semesters and be  
15 years old at start of term  
(passed 8 classes)

Grade: 10

Length: 1 semester

Credit: 1/2

Fee: 50.00

Workbook Fee: 15.00

State #: 08152A000

### Required

State Title: Drivers' Education - Classroom & Laboratory

The goal of driver education at Newark Community High School is to develop traffic citizens who will be competent and responsible users of the highway transportation system.

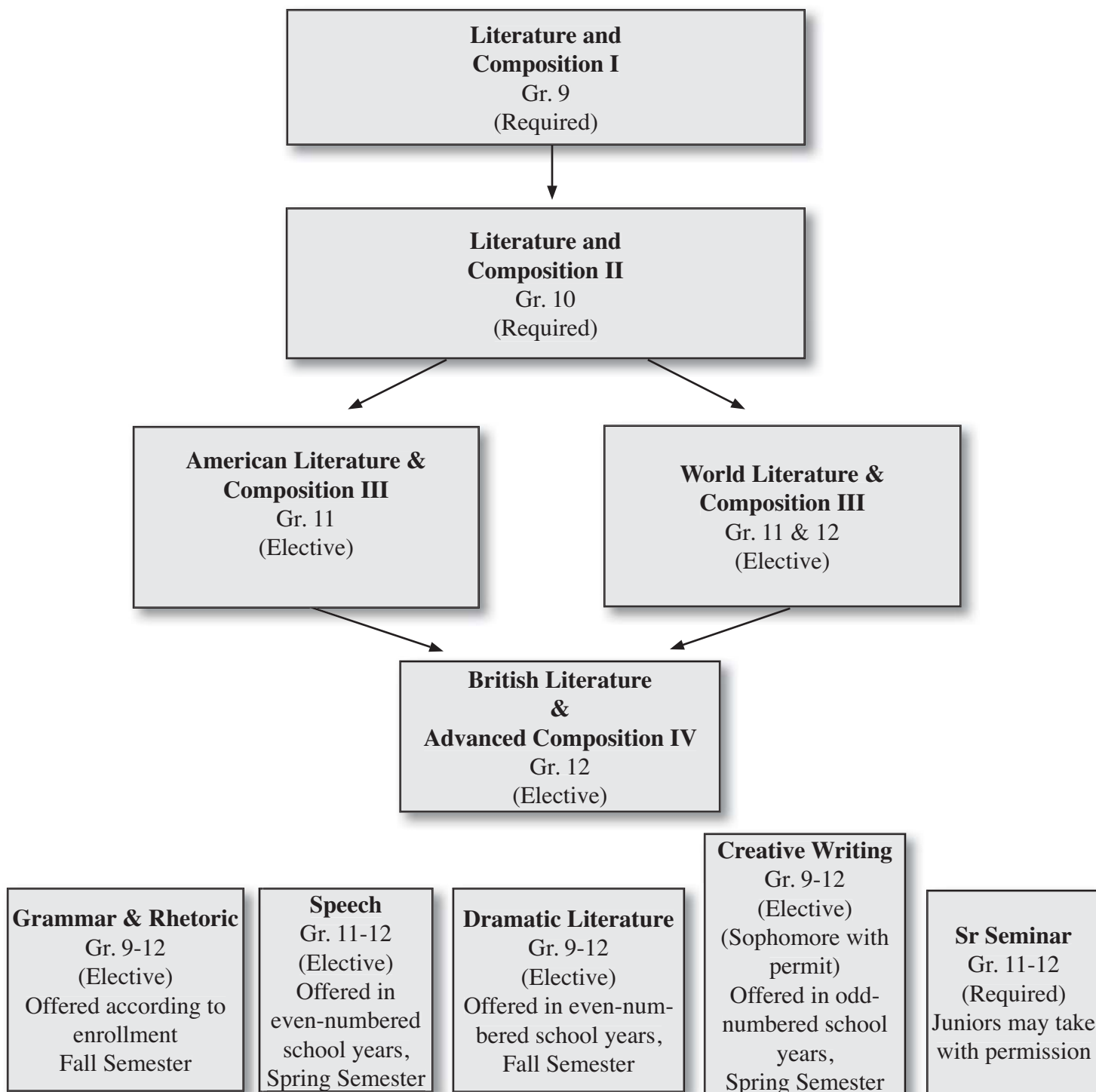
The course is divided into two components: classroom and lab which is called "behind the wheel" (BTW). The state requires a minimum program of 30 hours of classroom instruction and 6 hours of lab (BTW) instruction. To participate in BTW instruction, a student must have in their possession a valid instruction permit issued by the Secretary of State, when engaged in vehicle operation. To obtain an instruction permit, each student must have a Social Security card, \$20.00, and pass two (2) tests (eyes, and signs and laws). To receive a driver's license, the student must drive 50 hours with a parent or guardian and must also pass classroom and lab instruction. Students will be placed into this course based on having earned four credits (passed 8 classes) prior to the semester they are enrolled in Driver Education.

\*The parent should be able to commit to 25 hours of practice driving during the semester the student is enrolled in the driver education class. If the parent cannot make this commitment, they should consider not enrolling the student in driver education. Students will have various driving assignments during the semester that will need to be completed with the parent(s) outside school hours, and these assignments will be a part of the classroom grade.

**Students who desire to take driver education off-campus MUST obtain written approval from the Superintendent before taking the class.**

# ENGLISH

Required for graduation (4 credits): World Literature and Composition I and II are required for graduation in addition to two years of English electives.



A typical college-bound course sequence would be: Lit & Comp I, Lit & Comp II, American Lit & Comp III, British Lit & Advanced Comp IV. Students NOT planning to attend a 4-year school, might take Lit & Comp I, Lit & Comp II, World Lit & Comp III, then choose two semesters from any other English electives.

## ENGLISH

*All of the courses listed in the English section, except Heroes & Villains and Business English, may be used to fulfill college entrance requirements in English.*

<u>Literature and Composition I</u>	Grade: 9
Course #ENG130	Length: 2 semesters
Prerequisite: None	Credit: 1
Required	Fee: 20.00
State Title: English/Language Arts I	State #: 01001A000

World Literature and Composition I is a general survey course. It focuses on the development of written expression such as writing complete sentences, paragraphs, and essays. Other skills emphasized are vocabulary building, verbal communication, and listening skills. Reading literature critically and enhancing interpretive thinking skills are achieved through the study of novels, plays, poetry, and non-fiction. Technology is integrated into all aspects of the course.

<u>Literature and Composition II</u>	Grade: 10
Course #ENG230	Length: 2 semesters
Prerequisite: World Literature and Composition I	Credit: 1
Required	Fee: 10.00
State Title: English/Literature	State #: 01051A000

This course builds upon the prerequisite and is designed to help the student comprehend, analyze, and apply concepts from literature from around the world while thinking critically about short stories, poetry, nonfiction, and drama. Oral and written expression will be exercised through making real life connections with literature in projects of varying type and length. Vocabulary building, spelling, and language structure are stressed. Effective verbal and nonverbal communication skills will be practiced through pantomimes, gestures, and formal speeches to demonstrate, inform, and persuade.

<u>American Literature and Composition III</u>	Grade: 11
Course #ENG330	Length: 2 semesters
Prerequisite: World Literature and Composition II	Credit: 1
Elective	Fee: 30.00
State Title: English/Literature	State #: 01052A000

This course provides a detailed study of major American authors, including narrative reports, short stories, poetry, drama, and an intense exploration of a classic novel. Reading and analysis of our nation's literature offers the student the opportunity to strengthen critical thinking skills, develop vocabulary, and understand, appreciate, and enjoy our own literary heritage.

This course includes an in-depth college-preparatory vocabulary study and also emphasizes development of written communication skills through assignments of various lengths and types. Students will experience the writing process through pre-writing, composing, revising, editing and publishing with pen and paper as well as at the word processor's keyboard.

**Students who are college-bound should elect to take this course to meet college entrance requirements.**

World Literature & Composition III  
Course #ENG337  
Prerequisite: Literature & Composition II  
Elective  
State Title: World Literature

Grade: 11, 12  
Length: 2 semesters  
Credit: 1  
State #: 01058A000

World Literature and Composition explores a chronological progression of world literature, integrating literature with writing, vocabulary, language, and speaking and listening activities. Students will develop the ability to approach literature and writing with greater confidence with their active participation. Students will be immersed in cultural, literary, and historical backgrounds opening a diverse perspective for where they are today and why. Grammar reviews will be included to review lessons learned and to improve writing skills using both technology and practice units.

Dramatic Literature  
Course #ENG335  
Prerequisite: None  
Elective  
State Title: Literature of a Genre

Grade: 9, 10, 11, 12  
Length: 1 semester  
Credit: 1/2  
State #: 01061A000

Dramatic Literature focuses on writing, reading, performing, and technical theater. Students read and analyze multiple plays, learn theater terminology, critique performances, write original scenes/monologues, perform scenes/monologues (pantomime, classical literature, and improvisation), explore technical theater, and theater history/modern theater. This is a writing intensive course.

Grammar & Rhetoric  
Course #ENG336  
Prerequisite: None  
Elective  
State Title: Language Arts Laboratory

Grade: 9, 10, 11, 12  
Length: 1 semester  
Credit: 1/2  
State #: 01009A000

Grammar and Rhetoric is an intensive English course offered to any Newark Community High School student interested in the study of grammatical and rhetorical principles as applied in written composition. The course initially assesses student ability and then provides opportunities for students to solidify, expand, and build upon their knowledge of grammar and rhetoric. Throughout the class, students study the nature and function of language and rhetorical modes such as description, narration, process, comparison, contrast, definition, classification, persuasion, argument, and critical review. This course is designed to help students become more effective writers. Writing skills will be developed in all phases of the composition process, including content, organization, and grammar.

Speech  
Course #ENG333  
Prerequisite: World Literature and Composition II  
Elective  
State Title: Speech - Other

Grade: 10, 11, 12  
Length: 1 semester  
Credit: 1/2  
State #: 01199A000

**This course will be offered in even-numbered school years according to enrollment.**

This semester course offers the student an opportunity to explore in greater depth the various types of speeches and delivery techniques. It is a course where students learn with and from each other while researching, writing, delivering and performing. **This course will be taught in the Spring semester.**

<u>Creative Writing</u>	Grade: 9, 10, 11, 12
Course #ENG334	Length: 1 semester
Prerequisite: World Literature & Composition I	Credit: 1/2
Elective	Fee: 10.00
State Title: Creative Writing	State #: 01104A000

**This course will be offered in odd-numbered school years according to enrollment.**

The creative writing class will encourage students to approach writing from different vantage points enabling them to expand their stylistic techniques. Students may explore journal writing, greeting cards, fables, fairy tales, urban legends, free writing, children's literature, the short story, poetry, editorials, articles, essays, comedy, and script writing among other projects while creating a varied portfolio. An examination of famous writer's styles will serve as a basis for the students' own experimentation with a variety of writing techniques and styles that enhance the writer's craft. ***Students will be expected to read a novel and write a paper pertaining to the novel. This course will be taught in the Spring semester.***

<u>British Literature and Advanced Composition</u>	Grade: 12
Course #ENG430	Length: 2 semesters
Prerequisite: American Literature and Composition III	Credit: 1
Elective	Fee: 20.00
State Title: Literature - Other	State #: 01099A000

British Literature and Advanced Composition is a college preparatory course that focuses on the combination of a survey of major British literature genres. A research paper will be required along with other writing assignments. Technology will be integrated into all aspects of the course.

<u>Senior Seminar</u>	Grade: 12
Course #ENG491	Length: 1 semester
Prerequisite: None	Credit: 1/2
Required	State #: 22999A000
State Title: Miscellaneous - Other	

This course provides seniors an opportunity to develop their required senior project. Instruction will focus on the design, planning, and creation of the senior project as well as the portfolio. Developing an essential question, applying technology to the senior project, and organizing tasks necessary to successfully complete the portfolio and senior project requirements will be emphasized. Time will be available to work on each student's project. Other skills and topics will be taught and mastered as well. Some of these include research skills, interviewing skills, how to find career and college information, technological skills, and how to survive in the world outside high school.

# FAMILY AND CONSUMER SCIENCE

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**Clothing I-IV**  
Gr. 9-12  
Offered Fall semester according to enrollment



**Clothing II**  
Gr. 9-12  
Prerequisite: Clothing I  
Offered Spring semester according to enrollment

**Intro to FACS**  
Gr. 9-12  
Offered according to enrollment

**Foods I**  
Gr. 9-12  
Offered Fall semester



**Foods II**  
Gr. 9-12  
Prerequisite: Foods I or permission of instructor  
Offered Spring semester

**Living Environments**  
Gr. 10-12  
Offered Fall semester according to enrollment

**Contemporary Living**  
Gr. 11-12  
Offered Spring semester according to enrollment

**Foods III**  
Gr. 10-12  
Prerequisite: A or B in Foods I & II or permission of instructor  
Offered Spring semester

**Parenting/Child Development**  
Gr. 10-12  
Offered Spring semester according to enrollment

## FAMILY AND CONSUMER SCIENCE

*All of the following courses may be used to meet college entrance requirements in Elective areas as Vocational Education credits.*

<u>Introduction to Family &amp; Consumer Science</u>	Grade: 9, 10, 11, 12
Course #HEC140	Length: 1 semester
Prerequisite: None	Credit: 1/2
Elective	Fee: to be determined
State Title: Family & Cons Science-Comprehensive	State #: 22201A000

Introduction to Family & Consumer Science is an overview of life management skills. Students will learn basic information and practical skills related to such topics as interpersonal and family relationships, career preparation, life management, foods and nutrition, sewing skills, and principles and elements of design as related to the family and consumer science courses. **This course will be taught according to enrollment.**

<u>Clothing I-IV</u>	Grade: 9, 10, 11, 12
Course #HEC141	Length: 1 semester
Prerequisite: Taken in sequence: I-II-III-IV	Credit: 1/2
Elective	Fee: 15.00
State Title: Textiles & Design I	State #: 19201A001
*Clothing II as a separate class will be offered according to enrollment	

Students will learn to identify fabrics for use in construction of clothes, accessories and home décor. Students will complete lab projects. Advanced sewing construction skills, hand work-embroidery, and decorative fiber arts will be available and geared to individual student's ability level and past experience. Fabric identification, use and care of machine, and pattern interpretation will be reviewed each semester. Career opportunities are included throughout the course. **Course will be taught in the Fall semester.**

<u>Clothing II</u>	Grade: 9, 10, 11, 12
Course #HEC143	Length: 1 semester
Prerequisite: Successful completion of Clothing I	Credit: 1/2
Elective	Fee: 15.00
State Title: Textiles & Design I	State #: 19201A001

Clothing II is for students who have successfully completed Clothing I. Advanced sewing construction will be emphasized along with a unit on embroidery, stitchery and decorative fiber arts. Fabric identification and pattern selection will be included. **Course will be offered in the Spring semester according to enrollment.**

<u>Foods I</u>	Grade: 9, 10, 11, 12
Course #HEC 242	Length: 1 semester
Prerequisite: None	Credit: 1/2
Elective	Fee: 25.00
State Title: Nutrition & Culinary Arts I	State #: 16054A001

Foods I is designed to introduce the student to food preparation and management. Students are given an overview of nutrient value, appetite appeal, selection storage and preparation of basic foods. The course covers the development of an understanding of safety, sanitation, measurement, and equivalents. Information related to careers in foods and nutrition is incorporated throughout the course. **This course will be taught in the Fall semester.**

<u>Foods II</u>	Grade: 9, 10, 11, 12
Course #HEC243	Length: 1 semester
Prerequisite: Foods I or permission of instructor	Credit: 1/2
Elective	Fee: 25.00
State Title: Nutrition & Culinary Arts I	State #: 16054A001

Students will develop work place skills in the selection, storage, and preparation of foods. Emphasis will be on more advanced skills, baking, and meal preparation. Safety, sanitation, measurement, and equivalents will be reviewed at the beginning of this semester. Careers in foods and nutrition are incorporated throughout the course. **This course will be taught in the Spring semester.**

<u>Foods III</u>	Grade: 10, 11, 12
Course #HEC245	Length: 1 semester
Prerequisite: A or B in Foods I, II or permission of instructor	Credit: 1/2
Elective	Fee: 25.00
State Title: Nutrition & Culinary Arts II	State #: 16054A002

This course extends previous foods coursework for the work place which includes adapting, coping and communication skills, problem solving and maintaining a safe and healthy work environment. Meal management, study of careers in the food service industry as well as exposure to the social and cultural aspects of foods will also be emphasized. In addition, regional and international foods, food preservation, aspects of food science and technology will be covered. Students will learn advanced food preparation skills. Safety, sanitation, equipment will be reviewed at the beginning of the semester. **This course will be taught in the Spring semester according to enrollment.**

<u>Living Environments</u>	Grade: 10, 11, 12
Course #HEC244	Length: 1 semester
Prerequisite: None	Credit: 1/2
Elective	Fee: 25.00
State Title: Interior Design: Residential, Commercial, & Public Space	State #: 22211A001

Living Environments is a comprehensive course designed to enable students to make important decisions about housing. Students will learn about homes as an environment for human growth and development; the selection of a house; architectural styles of housing; trends in housing; and an overview of careers related to the housing industry. **This course will be taught in the Fall semester according to enrollment.**

<u>Contemporary Living</u>	Grade: 11, 12
Course #HEC340	Length: 1 semester
Prerequisite: None	Credit: 1/2
Elective	Fee: 10.00
State Title: Family & Career Relationships	State #: 22207A001

Contemporary Living is a comprehensive course designed to help students explore all aspects of life: personal development; decision-making; lifestyle options; relationships; marriage; parenting; and managing family living. This course will help students deal with the realities of life throughout the life cycle. Career and goal setting will be incorporated throughout the course. **This course will be taught in the Spring semester according to enrollment.**

Parenting/Child Development

Course #HEC341

Prerequisite: None

Elective

State Title: Child Development & Parenting

Grade: 10, 11, 12

Length: 1 semester

Credit: 1/2

Fee: 15.00

State #: 19052A001

Areas ranging from fetal development, prenatal care and birth of the baby, characteristics and developmental stages of children ages birth-5 years will be studied. **This course will be taught in the Spring semester according to enrollment.**

# FOREIGN LANGUAGE

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**Spanish I**  
Gr. 9 -12  
Prerequisite:  
Average English coursework  
will require teacher approval



**Spanish II**  
Gr. 10 -12



**Spanish III-IV**  
Gr. 11-12

## FOREIGN LANGUAGE

*All of the following courses may be used to meet college entrance requirements in Foreign Language or Elective areas.*

<u>Spanish I</u>	Grade: 9, 10, 11, 12
Course #SPN131	Length: 2 semesters
Prerequisite: C or above in English	Credit: 1
Elective	Fee: 20.00
State Title: Spanish I	State #: 06101A000

Spanish I concentrates on the skills of speaking, listening, reading and writing conversational Spanish. Various cultural aspects of Spanish-speaking societies are also explored.

<u>Spanish II</u>	Grade: 10, 11, 12
Course #SPN231	Length: 2 semesters
Prerequisite: C or above in Spanish I	Credit: 1
Elective	Fee: 23.00
State Title: Spanish II	State #: 06102A000

Spanish II continues to develop the student's ability to read, speak, write and comprehend the Spanish language and appreciate its culture in Spain, Central, and South America.

<u>Spanish III (may be combined with Spanish IV)</u>	Grade: 11, 12
Course #SPN331	Length: 2 semesters
Prerequisite: C or above in Spanish II	Credit: 1
Elective	Fee: 26.00
State Title: Spanish III	State #: 06102A000

Spanish III is a review and expansion of Spanish I and II. Conversational vocabulary, literacy, and grammar are further developed, as is cultural knowledge. Students will also begin to explore classic literature written in Spanish. There is a concentration on building an understanding of the many grammatical forms of the Spanish language.

<u>Spanish IV (may be combined with Spanish III)</u>	Grade: 11, 12
Course #SPN431	Length: 2 semesters
Prerequisite: C above in Spanish III	Credit: 1
Elective	Fee: 26.00
State Title: Spanish IV	State #: 06104A000

Spanish IV is a review and expansion of Spanish III. Conversational vocabulary, literacy, and grammar are further developed, as is cultural knowledge. Students will further expand their experience with classic literature written in Spanish.

# INDIAN VALLEY VOCATIONAL CENTER AND NCHS ORIENTATION COURSES

The courses listed in bold print are IVVC Programs. Below each IVVC Program are listed Newark's orientation courses. A student must have successfully completed at least one of the orientation courses in order to apply for the related IVVC programs. Students must apply to attend the vocational center. Contact the Guidance Department for application procedures. IVVC is open to Juniors and Seniors only.

<b>Auto Body Repair</b> Intro. to Ag. Ag. Mechanics	<b>Computer Technology</b> Computer Applications/ Keyboarding Multi-Media Computer Graphics	<b>Health Occupations</b> Health
<b>Automotive Technology</b> See Auto Body Repair		<b>Cosmetology</b> No orientation course
<b>Building Trades</b> No orientation course	<b>Graphic Communica- tions</b> Art I or any semester Art course Multimedia Computer Graphics	<b>Culinary Arts</b> Foods I or II
<b>Drafting and Design</b> No orientation course	<b>Early Childhood Development</b> Foods I or II	<b>Fire Science</b> No orientation course
<b>Welding</b> Intro. to Ag. Ag. Mechanics	<b>Sports Management</b> Sports Medicine	<b>Law Enforcement</b> No orientation course
	<b>Hotel &amp; Hospitality Management</b> Foods I or II	

\*Students who attend IVVC are charged \$20 for their NCHS textbook fee instead of the usual \$35. Some IVVC programs require additional fees which are the responsibility of the student to pay directly to Indian Valley Vocational Center.

## INDIAN VALLEY VOCATIONAL CENTER (IVVC)

### Auto Body Repair I & II

Course #IVVC101 & IVVC102

Prerequisite: NCHS Orientation Course

Elective

State Title: Auto-Body I & II

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee \*

State #: 20116A001 & 20116A002

A comprehensive program of collision repair and automotive paint refinishing. Safety practices and safety equipment, as well as EPA standards, will also be addressed and followed. First year students will get a basic knowledge of collision repair and refinishing procedures. Second year students will get advanced training on frame and structural repair.

### Automotive Technology I & II

Course #IVVC103 & 104

Prerequisite: NCHS Orientation Course

Elective

State Title: Automotive Technician I & II

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee \*

State #: 20104A001 & 20104A002

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

### Building Trades I & II

Course #IVVC105 & 106

Prerequisite: NCHS Orientation Course

Elective

State Title: Construction Trades I & II

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee\*

State #: 17002A001 & 17002A002

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

### Computer Technology I & II

Course #IVVC107 & 108

Prerequisite: NCHS Orientation Course

Elective

State Title: Computer Maintenance I & II

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee\*

State #: 10252A001 & 10252A002

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

<u>Cosmetology I &amp; II</u>	Grade: 11, 12
Course #IVVC109 & 110	Length: 2 semesters
Prerequisite: NCHS Orientation Course	Credit: 4
Elective	Fee*
State Title: Cosmetology I & II	State #: 19101A001 & 19101A002

This is a 1,500 hour program contracted through Hair Professionals Career College, offered at their Oswego or Sycamore site. Completers will have earned up to 1,000 hours toward the state licensing requirements for hairdressers during the two year program.

<u>Culinary Arts I &amp; II</u>	Grade: 11, 12
Course #IVVC111 & 112	Length: 2 semesters
Prerequisite: NCHS Orientation Course	Credit: 4
Elective	Fee*
State Title: Culinary Occupations I & II	State #: 16052A001 & 16055A001

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

<u>Drafting &amp; Design I &amp; II</u>	Grade: 11, 12
Course #IVVC 113 & 114	Length: 2 semesters
Prerequisite: NCHS Orientation Course	Credit: 4
Elective	Fee*
State Title: Architectural Drafting I & II	State #: 21103A001 & 21103A002

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

<u>Early Childhood Development I &amp; II</u>	Grade: 11, 12
Course #IVVC 115 & 116	Length: 2 semesters
Prerequisite: NCHS Orientation Course	Credits: 4
Elective	Fee*
State Title: Care & Learning Services Occupations	State #: 19054A001
Care & Learning Services Management	19055A001

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

### Fire Science I & II

Course #IVVC117 & 118

Prerequisite: NCHS Orientation Course

Elective

State Title: Fire-Fighting I & II

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee\*

State #: 15152A001 & 15152A002

First year students follow the State Fire Marshall's Firefighter II curriculum which includes Hazardous Materials awareness and Technical Rescue awareness. Second year students follow the State Fire Marshall's Firefighter III and Fire Apparatus Engineer. This class offers hands-on practical skills toward certification. Applicants must meet physical fitness requirements and will become CPR certified. Both classes are offered at the Sandwich Fire Station.

### Graphic Communications I & II

Course #IVVC119 & 120

Prerequisite: NCHS Orientation Course

Elective

State Title: Graphic Communications I & II

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee\*

State #: 11154A001 & 11154A002

Become part of the next generation of digital design! The world is full of images and words and Graphics IS that world. Students will study foundation software and design skills and be introduced to careers in art and design. Learn what it takes to design an awesome t-shirts and how to make a poster pop. Make your own logo and print it on notepads, stationery, and business cards. Design a product label and work with a professional photographer on a photo shoot to produce an original magazine ad. Be a digital photographer. Learn how to take portraits, make an iMovie or shoot a video for You Tube. Explore interior design and plan the room of your dreams. Learn how to use state of the art software (Illustrator, InDesign, and Photoshop) to turn your creative ideas into a reality. Field trips will introduce you to animation, web design, entertainment staging, college life, marketing, printing, and more.

### Health Occupations I

Course #IVVC121

Prerequisite: NCHS Orientation Course

Elective

State Title: Health Occupation Entry-Level Skill Development

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee\*

State #: 14002A002

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

### Health Occupations II

Course #IVVC122

Prerequisite: NCHS Orientation Course

Elective

State Title: Nursing Assistant

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee\*

State #: 14051A001

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

<u>Hospitality Management I &amp; II</u>	Grade: 11, 12
Course #IVVC123 & 124	Length: 2 semesters
Prerequisite: NCHS Orientation Course	Credit: 4
Elective	Fee*
State Title: Facilities Planning & Mgmt Services	State #: 19206A001

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

<u>Law Enforcement I &amp; II</u>	Grade: 11, 12
Course #IVVC125 & 126	Length: 2 semesters
Prerequisite: NCHS Orientation Course	Credit: 4
Elective	Fee*
State Title: Law Enforcement I & II	State #: 15051A003 & 15051A004

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

<u>Sports Medicine/Sports Management I &amp; II</u>	Grade: 11, 12
Course #IVVC127 & 128	Length: 2 semesters
Prerequisite: NCHS Orientation Course	Credit: 4
Elective	Fee*
State Title: Sports Management	State #: 14062A001

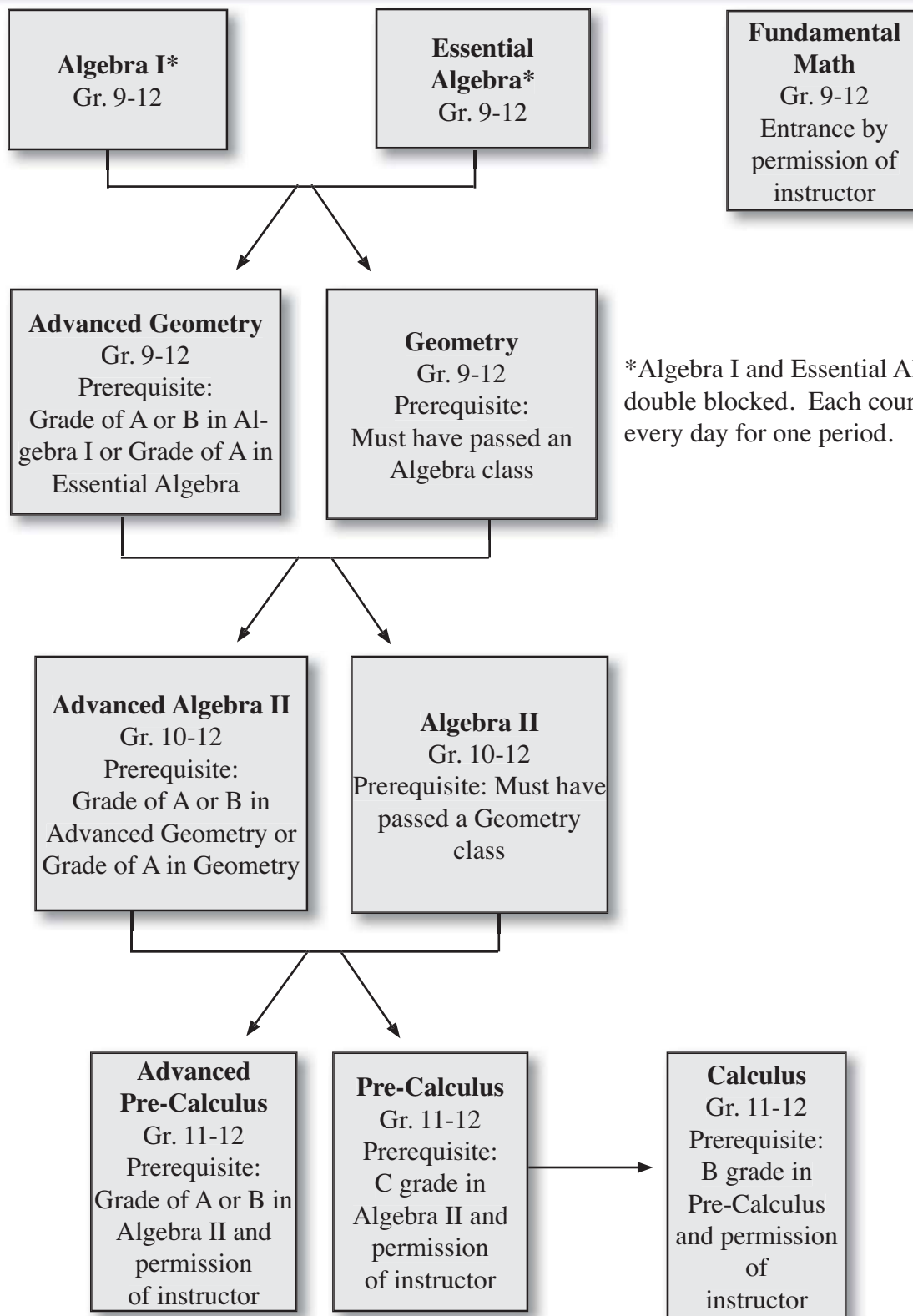
The course will introduce the student to the many professions within the sports medicine and sports management industries, such as Athletic Training, Coaching, Physical Therapy, Personal Training, and Massage Therapy. Sports Medicine I focuses on the anatomy of the skeletal and muscular systems, injuries,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

<u>Welding &amp; Fabrication I &amp; II</u>	Grades: 11, 12
Course #IVVC129 & 130	Length: 2 semesters
Prerequisite: NCHS Orientation Course	Credit: 4
Elective	Fee*
State Title: Welding Technology I & II	State #: 13207A001 & 13207A002

First year students enrolled in Welding are instructed in safety and workshop protocol and gain hands-on experience in basic arc welding. Second year students develop advanced arc welding skills and gain experience in "mig" and "tig" production welding. All classes emphasize employability skills including appropriate, professional conduct.

# MATHEMATICS

GRADUATION REQUIREMENTS: THREE YEARS, ONE OF WHICH MUST INCLUDE ALGEBRA CONTENT AND ONE WHICH MUST INCLUDE GEOMETRY CONTENT. THE THIRD YEAR CAN COME FROM ANY OTHER COURSE LISTED BELOW.



## MATHEMATICS

All courses in this section may be used to meet college entrance requirements in Math. Check admission requirements for college of choice.

**Note: Colleges will consider two semesters of Algebra I or two semesters of Essential Algebra equal to one credit of college prep math.**

<u>Fundamental Math</u>	Grade: 9, 10, 11, 12
Course #MTH164	Length: 2 semesters
Prerequisite: Instructor's permission only	Credit: 1
Elective	State #: 02999A000
State Title: Mathematics - Other	

For qualified students ONLY. This course focuses on math skills used in everyday life. Units covered include: earning and spending money, banking, writing checks, balancing accounts, budgeting, comparing various types of insurance, credit cards, loans, and purchasing or renting a home.

<u>Fundamental Math II</u>	Grade: 10, 11, 12
Course #MTH165	Length: 2 semesters
Prerequisite: Instructor's permission only and Fundamental Math I	Credit: 1
Elective	State #: 02999A000
State Title: Mathematics - Other	

For qualified students ONLY. This course continues to focus on math skills as they apply to everyday life. Units covered include earning money, buying food and clothing, managing a household, buying and maintaining a car, home improvements, budgeting, banking, and taxes.

<u>Essential Algebra</u>	Grade: 9, 10, 11, 12
Course #MTH161	Length: 2 semesters
Prerequisite: Recommended placement based on previous math grades, placement test, and teacher input	Credit: 2 (1 math/1 elective)
Elective	State #: 02052A000
State Title: Algebra I	

**When registering for this class, mark "Essential Algebra " for two periods.**

This course will be double blocked, which means that the class will meet every day rather than every other day. This course has been specifically designed for students who need more time to master algebraic concepts. This course will begin with a review of basic arithmetic skills and Pre-Algebra concepts. The mathematical concepts covered will not be presented as rigorously or as in depth as in Algebra I. However, the concept will be covered. This course constitutes the equivalence of Algebra I. During the year, basic concepts and devices are introduced. This includes number theory, the number line, set notation, variables, explicit definitions, negation of numbers, rules for addition, subtraction, multiplication and division of sign numbers, properties of equality, properties of inequalities, equations containing one or more variables, solving equations involving one or more steps, solving quadratic equations, the quadratic formula graphing linear or quadratic equations, graphing linear or quadratic inequalities, addition, subtraction, multiplication, and division of monomials and polynomials, factoring, prime factorization, complex fractions, radicals, fractional equations, percent problems, and application problems for the real-world.

Algebra I Grade: 9, 10, 11, 12  
Course #MTH163 Length: 2 semesters  
Prerequisite: Recommended placement based on previous math grades, placement test, and teacher input Credit: 2 (1 math/1 elective)  
State #: 02052A000

Elective

State Title: Algebra I

**When registering for this class, mark Algebra I for two periods.**

This course is double blocked, which means that the class will meet every day rather than every other day. This course is designed for students who are planning to follow a college preparation track. During the year, basic concepts and devices are studied in depth. This includes number theory, the number line, set notation, variables, explicit definitions, negation of numbers, rules for addition, subtraction, multiplication and division of sign numbers, properties of equality, properties of inequalities, equations containing one or more variables, solving equations involving one or more steps, solving quadratic equations, the quadratic formula graphing linear or quadratic equations, graphing linear or quadratic inequalities, addition, subtraction, multiplication, and division of monomials and polynomials, factoring, prime factorization, complex fractions, radicals, fractional equations, percent problems, and application problems for the real-world.

Algebra II Grade: 10, 11, 12  
Course #MTH262 Length: 2 semesters  
Prerequisite: Must have passed a Geometry course. Credit: 1  
Elective State #: 02056A000  
State Title: Algebra II

This course includes a review and expansion of the material covered in an Algebra I course, with an introduction to trigonometry, quadratic relations, exponential functions and progressions. Problem solving techniques will be used extensively throughout the year. (This course may be taken at the same time as a geometry course if instructor permission is granted and if the student is at least a sophomore.)

Advanced Algebra II Grade: 10, 11, 12  
Course #MTH264 Length: 2 Semesters  
Prerequisite: A or B in Advanced Geometry or A in Geometry Credit: 1  
State #: 02056A000

Elective

State Title: Algebra II

This course includes a review and expansion of the material covered in an Algebra I course, with the introduction to trigonometry, quadratic relations, techniques will be used extensively throughout the year. (Advanced Geometry or Geometry may be taken concurrently with this course if instructor's permission is granted and if the student is at least a sophomore.)

Advanced Geometry Grade: 10, 11, 12  
Course #MTH263 Length: 2 semesters  
Prerequisite: A or B in Algebra I or A in Essential Algebra Credit: 1  
State #: 02072A000

Elective

State Title: Geometry

The objectives of this course are: 1) to develop an understanding of inductive and deductive processes. An ability to discover the relationship between parts of geometric figures is developed, and an organized and highly structured argument technique is practiced in the proof of these relationships; 2) to strengthen algebraic skills and to gain an understanding of how algebra and geometry complement each other. Topics cover: geometric terms, geometric figures and their properties, properties of numbers, deductive proofs, properties and relationships between distinct lines, congruency and its properties, relationships between polygons, properties of polygons, circles and their properties, constructions, areas, and volumes.

<u>Geometry</u>	Grade: 10, 11, 12
Course #MTH260	Length: 2 semesters
Prerequisite: Algebra I or Essential Algebra	Credit: 1
Elective	State #: 02072A000
State Title: Geometry	

The objectives of this course are: 1.) to develop an understanding of inductive and deductive processes. An ability to discover relationships between parts of geometric figures is developed, and an organized and highly structured argument technique is practiced in the proof of these relationships; 2.) to strengthen algebraic skills and gain some knowledge of how algebra and geometry complement each other. Topics covered: geometric terms and figures, properties of numbers, deductive proofs, parallel lines, congruent triangles, similar polygons, circles, constructions, areas, and volumes.

<u>Pre-Calculus</u>	Grade: 11, 12
Course #MTH362	Length: 2 semesters
Prerequisite: College Algebra/Algebra II with at least a C for both semesters and permission of instructor	Credit: 1
	State #: 02110A000

Elective  
State Title: Pre-Calculus

This course is primarily designed for those students planning to attend college. Topics covered will be trigonometric functions, polar coordinates, complex numbers, logarithms, the use of calculators and analytic geometry with calculus. Analytic geometry covers an introduction to geometric figures and their algebraic representation in two and three dimensions.

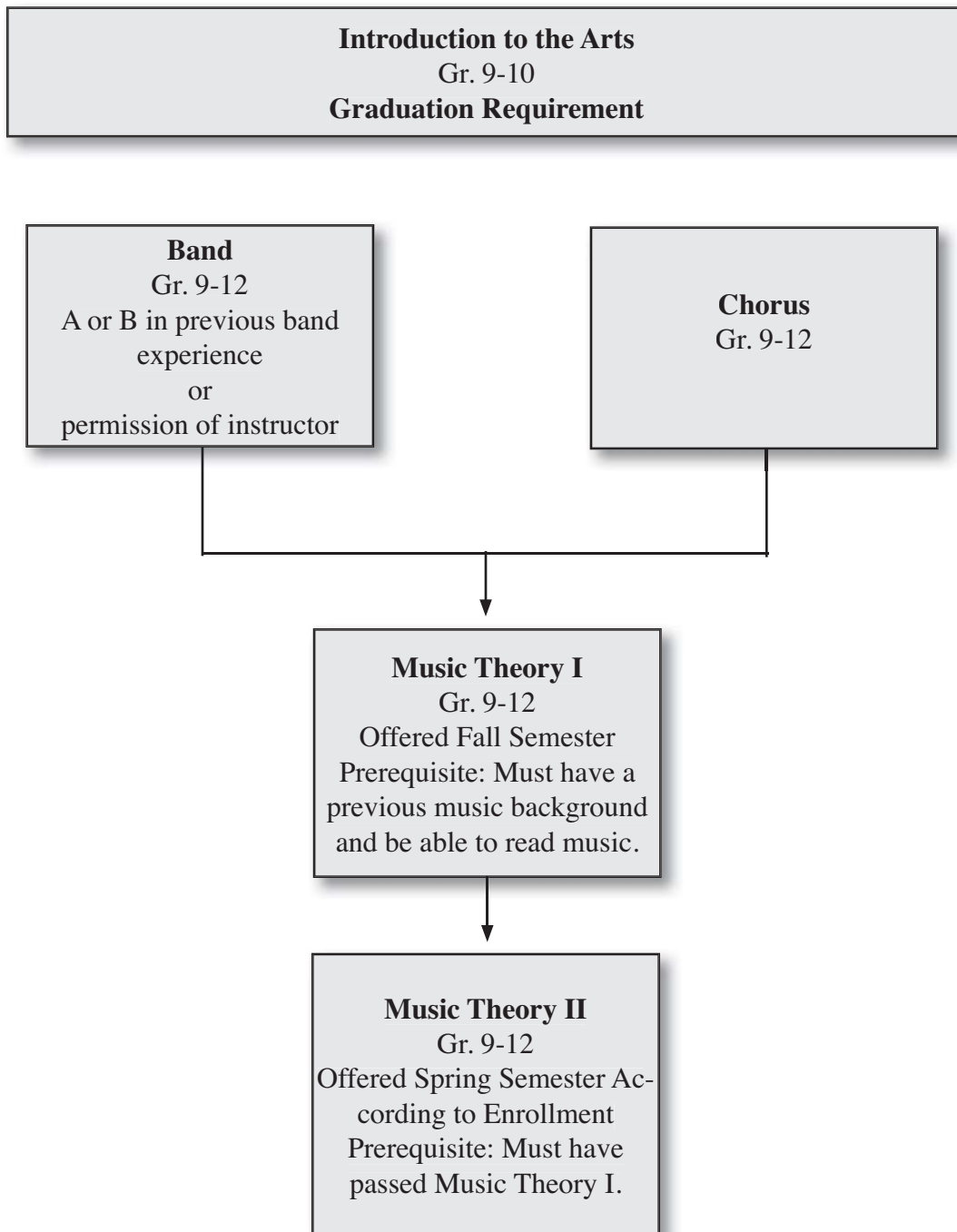
<u>Calculus</u>	Grade: 12
Course #MTH461	Length: 2 semesters
Prerequisite: Pre-Calculus with at least a B for both semesters and permission of instructor	Credit: 1
	State #: 02121A000

Elective  
State Title: Calculus

This course is designed for students who are mathematically mature and wish to prepare for college calculus. Calculus covers an introduction to the basics of a college calculus course. Some content areas will include: limits, matrices, conic sections, derivatives, and integrals. Topics covered include: differentiation, integration, transcendental functions, and infinite series.

# MUSIC

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## MUSIC

*Credits earned in Music may be applied toward college entrance requirements needed in the Fine Arts or Elective areas.*

<u>Introduction to the Arts</u>	Grade: 9
Course #ART211	Length: 1 semester
Prerequisite: None	Credit: 1/2
Required	Fee: 30.00
State Title: Art Appreciation	State #: 05151A000

This course is designed to provide NCHS students the opportunity to achieve a truly well-rounded education by offering a course that combines the disciplines of Art, Drama, Music, Dance, and Architecture. It will explore the development and impact of the arts throughout history. This course will awaken an appreciation for the arts in everyday life. In addition, no prior experience in any of the arts is necessary for successful completion of this course. Further, it may serve to partially fulfill the Fine Arts admission requirement at post secondary institutions.

<u>Band</u>	Grade: 9, 10, 11, 12
Course #MUS170	Length: 2 semesters
Prerequisite: A or B in previous band experience or permission of instructor	Credit: 1
	State #: 05102A000

Elective

State Title: Concert Band

The Newark Community High School Band is an organization made up of students who have the desire to excel in a musical setting. Previous band experience and the ability to read written music are both a necessity and a requirement. Since band is an elective curricular course, students will be expected to practice daily to improve the musical and technical skills involved in playing a musical instrument. Percussion students must have previous piano experience.

Band rehearsals are held during the regular scheduled class period. In addition, occasional sectional time will be held during SRT-B on a rotating basis. During each class period emphasis will be placed on rehearsing and preparing for concerts. In addition to rehearsing, students will have many formative experiences to help develop musicianship. Throughout the course of the school year, students will gain an understanding of music theory, music history, and styles of music from different cultures.

The band curriculum includes three required concert performances (Winter Concert, Coffee House, and Spring Concert). In addition, interested and qualified students have the opportunity to participate in IMEA, the Little Ten Band Festival, and the State Solo and Ensemble Contest. Other activities may include field trips and performance tours.

<u>Chorus</u>	Grade: 9, 10, 11, 12
Course #MUS171	Length: 1 or 2 semesters
Prerequisite: None	Credit: 1/2 per semester
Elective	State #: 05110A000
State Title: Chorus	

Newark Community High School has one chorus that is open to all students. No auditions are required. Two or three evening concerts may be given during the year, and attendance at these is required. In addition, chorus members may participate in the Little Ten Choral Festival. Interested students may also participate in the District I Music Festival and State and Solo Ensemble Contest.

When requested, the Chorus will sing at Baccalaureate and Graduation. Other activities have included performances at area nursing homes and community events.

Music Theory I Grade: 9, 10, 11, 12  
Course #MUS173 Length: 1 Semester  
Prerequisite: Must have a previous music background and be able to read music. Credit: 1/2  
State #: 05113A000

Elective

State Title: Music Theory

Music Theory is the study of the characteristics of music in which the student will discover how sounds are put together, why they sound the way they do when put in different combinations, and how those combinations can be manipulated. The study of music theory is beneficial to any music student because it gives them an understanding of how and what they are actually performing and composing. Students will study the following topics: major scales, minor scales, intervals, triads, inversions, diatonic chords, part writing, and more. Students will also work on their "aural skills."

Music Theory is not a music performance class or a music appreciation class. Therefore, students **MUST** have a previous background in music and also have the ability to read written music.

Music Theory II Grade: 9, 10, 11, 12  
Course #MUS174 Length: 1 Semester  
Prerequisite: Music Theory I Credit: 1/2  
Elective State #: 05113A000

State Title: Music Theory

This course will continue with the concepts of Music Theory I. Students will continue to study the following topics: major scales, minor scales, intervals, triads, inversions, diatonic chords, part writing, and more. Students will also work on their "aural skills."

Music Theory is not a music performance class or a music appreciation class. Therefore, students **MUST** have a previous background in music and also have the ability to read written music.

# PHYSICAL DEVELOPMENT

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**Health**  
Gr. 10  
**Graduation Requirement**

**Physical Education**  
Gr. 9-12  
**Graduation Requirement**

**Introduction to  
Sports Medicine**  
Gr. 11-12  
Prerequisite: Health  
Recommended:  
Advanced Biology  
Offered Fall semester

## PHYSICAL DEVELOPMENT

### Health

Course #HTH281

Prerequisite: None

Required

State Title: Health Education

Grade: 10

Length: 1 semester

Credit: 1/2

State #: 08052A000

This semester course includes the following: human emotions, stress, human growth and development, prevention and control of disease, public and environmental health, consumer health, mental wellness, personal health habits, drug use and abuse, nutrition, first aid, and instruction in the prevention, transmission and spread of sexually transmitted diseases.

### Physical Education

Course #PED180

Prerequisite: None

Required

State Title: Physical Education

Grade: 9, 10, 11, 12

Length: 2 semesters

Credit: 1/2 per year

Fee\*

State #: 08001A000

This course provides a vigorous exercise program for both boys and girls so that students have the opportunity to develop themselves physically, acquire a desirable attitude, pleasure and pride toward physical activity development of the body, and skills that relate to life-long activities.

It is believed that physical development will make a healthier and more energetic individual, especially when exposed to a competitive situation and sound health practices.

The activities covered are: soccer, flag football, archery, basketball, volleyball, recreational games, badminton, golf, softball, relays, and game variations in soccer, basketball, and softball.

\*No fee other than the cost of the PE uniform, school lock, and minimal fees collected throughout the year for field trips taken by the PE class. Fees for golf and bowling units will be collected as needed.

\*Must buy a school lock for PE locker.

### Introduction to Sports Medicine

Course #HTH282

Prerequisite: Health, Advanced Biology  
recommended

Elective

State Title: Sports Physiology

Grade: 11, 12

Length: 1 semester

Credit: 1/2

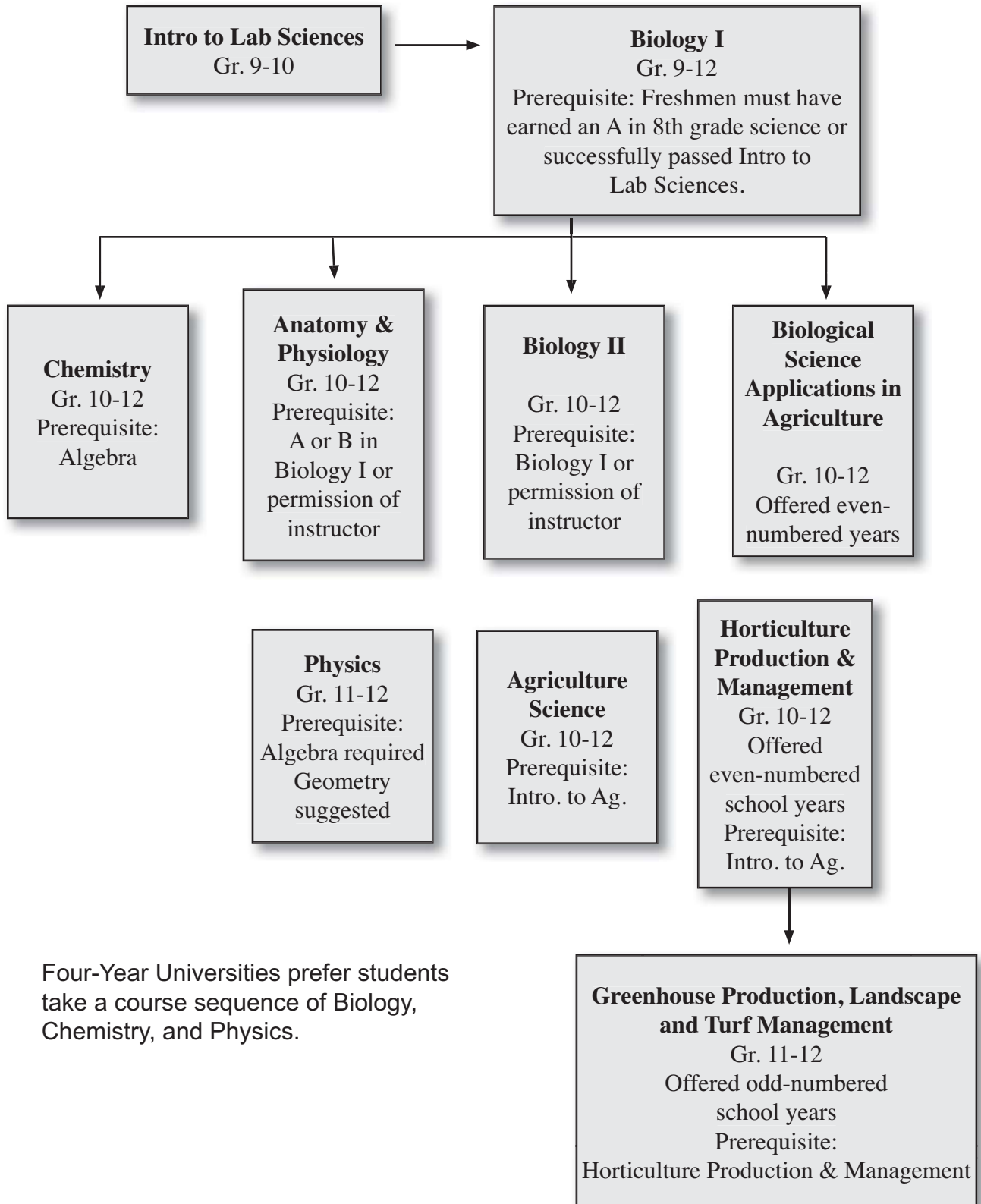
Fee: 10.00

State #: 08017A000

This course will introduce the student to the basic principles and techniques for the prevention, recognition, treatment and rehabilitation of common injuries and illnesses. Included in this course will be the development of skills required to provide supportive taping, wrapping, and splinting, duties and responsibilities of an athletic trainer and student trainer, budgeting and ordering supplies, and operation of a training room facility. This class would be beneficial for students wishing to pursue a career in coaching, teaching, fitness, and/or sports medicine. **This course will be taught Fall semester.**

# SCIENCE

**GRADUATION REQUIREMENTS: TWO YEARS SCIENCE**  
One credit must be either **Biology I** or **Intro to Lab Sciences**



## SCIENCE

*Courses in this section may be used toward college entrance requirements in the Science or Elective areas. Biology I or Intro to Lab Sciences is required for NCHS graduation.*

<u>Introduction to Lab Sciences</u>	Grade: 9, 10
Course #SCI161	Length: 2 semesters
Prerequisite: None	Credit: 1
Elective	State #: 03201A000
State Title: Integrated Science, Technical Science	03211A000

The purpose of this course is to introduce students to the basic concepts in physical, life, earth, and space science. This course will be a lab-intensive course with the following topics stressed: scientific method and experimentation, metric system, laboratory equipment and techniques, and data interpretation and analysis.

<u>Biology I</u>	Grade: 9, 10, 11, 12
Course #SCI162	Length: 2 semesters
Prerequisite: Grade of A in 8th Grade Science or successful completion of Intro to Lab Sciences	Credit: 1
	State #: 03051A000

Elective  
State Title: Biology

The purpose of this course is to present an organized, ecological study of living things. The first semester of study deals with cells, cellular functions, and genetics. Some time is also spent on the history of biology and an introduction to biochemistry. The second semester's work includes studies of certain invertebrate and vertebrate animals. Throughout the year there are some special projects such as: microscope labs, dissections, and research projects.

<u>Chemistry</u>	Grade: 10, 11, 12
Course #SCI263	Length: 2 semesters
Prerequisite: Algebra	Credit: 1
Elective	Fee: 10.00
State Title: Chemistry	State #: 03101A000

During the first semester, chapters one through ten of the textbook are covered. The basic concepts that are introduced include: famous chemists, science of chemistry, matter and energy, laws of chemistry, atomic structure, quantum mechanics-arrangement of electrons in the atom, Periodic Law and Periodic Table, chemical formulas and equations, chemical bond, chemical composition, mole, mass relationships, oxygen, hydrogen and the gas laws. In addition, experiments that pertain to the material covered above will be completed.

For the second semester's work, chapters eleven through twenty-two are covered. Concepts introduced are: molecular composition of gases, liquids, solids, water, solution process, ionization, acids, bases, salts, pH, carbon and its oxides, hydrocarbons and hydrocarbon substitution products, reaction energy and reaction kinetics, chemical equilibrium, and oxidation-reduction reactions. Experimentation will continue as it relates to material covered.

<u>Physics</u>	Grade: 11, 12
Course #SCI364	Length: 2 semesters
Prerequisite: Algebra required and Geometry suggested	Credit: 1
	State #: 03151A000

Elective  
State Title: Physics

This course is designed to introduce students to the basic concepts of physics. Areas to be covered are: matter and energy, measurement, force and motion, heat energy, atomic structure, nuclear energy, light, optics, electricity and particle physics. To be successful in physics, a student should have completed courses in algebra and geometry. Other areas of mathematics will be presented with material covered in the course.

Anatomy and Physiology

Course #SCI261

Prerequisite: A or B in Biology I  
or permission of Instructor

Elective

State: Biology - Advanced Studies

Grade: 10, 11, 12  
Length: 2 semesters  
Credit: 1  
State #: 03052A000

Anatomy & Physiology (formerly Advanced Biology) is an upper level biology course in human anatomy and physiology. This course is designed for the college bound student or for those students interested in any health related careers.

Biology II

Course #SCI262

Prerequisite: Biology I or permission of Instructor

Elective

State Title: Botany/ Environmental Science

Grade: 10, 11, 12  
Length: 2 semesters  
Credit: 1  
State #: 03058A000  
03003A000

Biology II is an entire second year course in Biology. This course can also be taken as two semester courses. The first semester is botany and the second semester is environmental biology.

Agricultural Science

Course #AGO200

Prerequisite: Intro. to Ag

Elective

State Title: Basic Agricultural Science

Grade: 10, 11, 12  
Length: 2 semesters  
Credit: 1  
Fee: 10.00  
State #: 18003A001

This second year orientation course builds on basic skills and knowledge gained from the introductory course. Major units of instruction include advanced plant and soil science, advanced animal science and agricultural mechanics skills necessary for maintaining and repairing equipment and/or facilities. Applied math/science skills are stressed throughout the course. Microcomputer applications are utilized as they relate to each instructional unit. Students are also briefed on the basic employability and transitional skills and work ethic.

All students are required to join the FFA and to have a satisfactory Supervised Agricultural Experience Program. **This course may be used toward NCHS Science credits.**

<u>Biological Science Applications in Agriculture</u>	Grade: 10, 11, 12
Course #AGO202	Length: 1 semester
Prerequisite: Biology	Credit: 1/2
Elective	Fee: 10.00
State Title: BSAA - Plants	State #: 18051A002

**This course will be offered in even-numbered school years.** This course is designed to reinforce and extend a student's understanding of sciences by associating basic scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions. This course will deepen the student's understanding of science through the numerous laboratory exercises and experiments. Students will develop a science project which will be shown at the State FFA Science Fair.

All students are required to join the FFA and to have a satisfactory Supervised Agricultural Experience Program. **This course may be used toward NCHS Science credits.**

<u>Horticulture Production and Management</u>	Grade: 10, 11, 12
Course #AGO301	Length: 2 semesters
Prerequisite: Intro. to Ag	Credit: 1
Elective	Fee: 15.00
State Title: Horticultural Production & Management	State #: 18051A001

**This course will be offered in even-numbered school years.** This course concentrates on two important areas in horticulture. Major units of study include growing greenhouse crops, producing nursery crops, designing floral arrangements, and operating a garden center. Agribusiness units will be introduced in merchandising, advertising and displaying horticulture products, as well as selling horticulture products and services. Leadership skill development is an integral part of this program and is delivered through the vocational student organization (FFA) activities. Individualized instruction learning reinforcement is provided through Supervised Agricultural Experience Programs (SAE) maintained by each student.

All students are required to join the FFA and to have a satisfactory Supervised Agricultural Experience Program. **This course may be used toward NCHS Science credits.**

<u>Greenhouse Production, Landscape &amp; Turf Management</u>	Grade: 11, 12
Course #AGO305	Length: 2 semesters
Prerequisite: Hort. Production & Management	Credit: 1
Elective	Fee: 25.00
State Title: Greenhouse Production & Floral Design	State #: 18053A001

**This course will be offered in odd-numbered school years.** This course focuses on the greenhouse management, landscape, nursery and turf segments of the horticulture industry. Major units of study include floriculture plant identification, greenhouse structures, and the culture of greenhouse crops. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a retail floral business. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

All students are required to join the FFA and to have a satisfactory Supervised Agricultural Experience Program. **This course may be used toward NCHS Science credits.**

# SOCIAL STUDIES

GRADUATION REQUIREMENTS: TWO YEARS OF SOCIAL STUDIES  
U.S. History/American Government plus one year of electives.

**World History I**  
Gr. 9-12  
Offered  
Fall Semester

**World History II**  
Gr. 9-12  
Offered  
Spring Semester

**Geography**  
Gr. 9-12

**Modern Issues**  
Gr. 9-12  
Offered Fall  
Semester

**U.S. History/American  
Government**  
Gr. 11-12  
  
**Graduation  
Requirement**

**Sociology**  
Gr. 11-12  
Prerequisite:  
A or B in a  
previous Social  
Studies course  
Offered  
Spring Semester

**Psychology**  
Gr. 11-12  
Offered  
Spring  
Semester

## SOCIAL STUDIES

All of the courses in this section except Modern Issues may be used toward college entrance requirements in the Social Studies or Elective areas.

<u>World History I</u>	Grade: 9, 10, 11, 12
Course #HIS190	Length: 1 semester
Prerequisite: None	Credit: 1/2
Elective	State #: 04051A000
State Title: World History - Overview	

World history relates the history and geography of the ancient and medieval world with special emphasis on what these cultures have given the modern world. It is highly recommended for those students planning to go to college because most colleges require at least one course in world history and this would give a student important background material. It does not have to be taken with World History II. **This course will be taught in the Fall semester.**

<u>World History II</u>	Grade: 9, 10, 11, 12
Course #HIS191	Length: 1 semester
Prerequisite: None	Credit: 1/2
Elective	State #: 04051A000
State Title: World History - Overview	

World History II may be taken independently of World History I. This course explores the civilizations of the world from the first age of exploration (1500) to the modern age of space exploration. Geography is stressed where necessary and continues to look at the early modern cultures to see what they contribute to the present day world. The United States is only examined as it fits into the history of the times. World History II is recommended for students who are considering college because it will provide a background in history and the liberal arts. **This course will be taught in the Spring semester.**

<u>Geography</u>	Grade: 9, 10, 11, 12
Course #HIS290	Length: 1 or 2 semesters
Prerequisite: None	Credit: 1/2 per semester
Elective	State #: 04001A000
State Title: World Geography	

This course will involve the study of the physical, human, and cultural geography of the world. All of these areas will be studied in different regions, areas, and locations of the world. The course focuses on such topics as latitude and longitude, the physical make-up of the world, the division of the earth in continents, countries, bodies of water, the climate patterns, and natural resources and industries of various locations as well as their cultures. Current events will be incorporated as it relates to the study of geography and of man's relationship to the environment. This course can be a one semester course; students do not have to enroll in first semester to take second semester.

<u>Modern Issues</u>	Grade: 9, 10, 11, 12
Course #HIS193	Length: 1 semester
Prerequisite: None	Credit: 1/2
Elective	State #: 04064A000
State Title: Contemporary World Issues	

Modern Issues will cover timely events in the news (from politics to sports). The class requires extensive reading and a willingness to become informed about the news of the day. The class uses the theme-based Choices program. This course may not count toward college admission requirements.

Psychology

Course #HIS390

Prerequisite: None

Elective

State Title: Psychology

Grade: 11, 12

Length: 1 semester

Credit: 1/2

State #: 04254A000

This course is designed to help students in two ways. First, it provides a solid foundation in the basic theories and principles of psychology. Second, it concentrates heavily on the affective area of development. The course was developed to assist students in gaining additional awareness of the world in which she/he lives, acceptance of differences of race and culture, and a sensitivity to human needs and problems. Course activities are designed to examine difficult and important questions relative to life and life's challenges. **This course will be taught in the Spring semester.**

U. S. History/American Government

Course #HIS392

Prerequisite: None

Required

State Title: US History - Other

Grade: 11, 12

Length: 2 semesters

Credit: 1

State #: 04149A000

This class is a combination of U.S. History and American Government. It is primarily a history class with an emphasis on the background, principles, philosophy, and practices of our federal, state, and local governments. As required by Public Law 195, a study of the Illinois and National Constitution will be conducted and tested within the course. Students will explore the various social, political, and economic happenings of our history from colonial times to the new millennium and how that pertains to their lives today. How to take this knowledge and become a productive citizen and active member of our society will be a focus of this course.

Sociology

Course #HIS393

Prerequisite: A or B in previous Social Studies course or permission of instructor

Elective

State Title: Sociology

Grade: 11, 12

Length: 1 semester

Credit: 1/2

State #: 04258A000

Sociology is the study of human relationships. Topics studied include: the organization of society, behavior, socialization, crime and deviance, culture, the life process, and social institutions. A service learning project is also incorporated within the class. This course is for college bound students and will be taught accordingly. **The class will be taught Spring semester.**

# Study Skills

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**Study Skills**  
Gr. 9-12  
Permission of instructor only

Study Skills

Course #SED132

Prerequisite: Permission of Instructor

Elective

State Title: Study Skills

Grade: 9, 10, 11, 12

Length: 1 or 2 semesters

Credit: 1/2 per semester

State #: 22003A000

For qualified students ONLY, this course concentrates on study and test-taking skills relative to the student's content area courses. Enrollment is by instructor's permission only. Supplemental work in the areas of reading, writing, and job skills will be given to improve student performance in these areas.

**NEWARK HIGH SCHOOL  
FOUR YEAR PLAN**

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**FRESHMAN YEAR**

<u>Required</u>	1st semester	2nd semester	Credit Earned
English	<u>Lit &amp; Comp I</u>	<u>Lit &amp; Comp I</u>	_____
Science	_____	_____	_____
Math	_____	_____	_____
PE	_____	_____	_____
Electives	<u>Comp Apps</u>	<u>Keyboarding</u>	_____
Intro to Arts	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Year Credit Total	_____ Cumulative Credit Total		_____

**SOPHOMORE YEAR**

<u>Required</u>	1st semester	2nd semester	Credit Earned
English	<u>Lit &amp; Comp II</u>	<u>Lit &amp; Comp II</u>	_____
Science	_____	_____	_____
Math	_____	_____	_____
PE	_____	_____	_____
Dr. Ed./Health	_____	_____	_____
Electives	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Year Credit Total	_____ Cumulative Credit Total		_____

**JUNIOR YEAR**

<u>Required</u>	1st semester	2nd semester	Credit Earned
English	_____	_____	_____
U.S. His/Gvt	_____	_____	_____
Math	_____	_____	_____
PE	_____	_____	_____
Electives	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Year Credit Total	_____ Cumulative Credit Total		_____

**SENIOR YEAR**

<u>Required</u>	1st semester	2nd semester	Credit Earned
Cons. Ed.	_____	_____	_____
English	_____	_____	_____
P.E.	_____	_____	_____
Sr Seminar	_____	_____	_____
Electives	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Year Credit Total	_____ Cumulative Credit Total		_____

Post-Secondary Plans:



**NEWARK HIGH SCHOOL  
FOUR YEAR PLAN**

NAME \_\_\_\_\_ POST-SECONDARY PLANS \_\_\_\_\_ DATE \_\_\_\_\_

**FRESHMAN YEAR**

Required 1st semester 2nd semester Credit Earned  
 English Lit & Comp I Lit & Comp I \_\_\_\_\_  
 Science \_\_\_\_\_  
 Math \_\_\_\_\_  
 PE \_\_\_\_\_  
 Electives \_\_\_\_\_  
Comp Apps Keyboarding \_\_\_\_\_  
 Intro to Arts \_\_\_\_\_  
 Year Credit Total \_\_\_\_\_ Cumulative Credit Total \_\_\_\_\_

**SOPHOMORE YEAR**

Required 1st semester 2nd semester Credit Earned  
 English Lit & Comp II \_\_\_\_\_  
 Science \_\_\_\_\_  
 Math \_\_\_\_\_  
 PE \_\_\_\_\_  
 Dr. Ed./Health \_\_\_\_\_  
 Electives \_\_\_\_\_  
 Year Credit Total \_\_\_\_\_ Cumulative Credit Total \_\_\_\_\_

**JUNIOR YEAR**

Required 1st semester 2nd semester Credit Earned  
 English \_\_\_\_\_  
 U.S. Hist/Gvt \_\_\_\_\_  
 Math \_\_\_\_\_  
 PE \_\_\_\_\_  
 Electives \_\_\_\_\_  
 Year Credit Total \_\_\_\_\_ Cumulative Credit Total \_\_\_\_\_

**SENIOR YEAR**

Required 1st semester 2nd semester Credit Earned  
 Cons. Ed. \_\_\_\_\_  
 English \_\_\_\_\_  
 P.E. \_\_\_\_\_  
 Sr Seminar \_\_\_\_\_  
 Electives \_\_\_\_\_  
 Year Credit Total \_\_\_\_\_ Cumulative Credit Total \_\_\_\_\_

Post-Secondary Plans:

