

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



**COURSE CATALOG
2026-2027**

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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*	1/2 credit
Mathematics	3 credits	Consumer Economics	1/2 credit
Science (1 lab)	2 credits	Health	1/2 credit
Social Studies**	2 credits	Physical Education	1 credit per year
Senior Seminar	1/2 credit	Fine Arts	1 credit
College & Career	1/4 credit	Media Literacy*	1/2 credit
CTE	1 credit		

**Computer Apps/Keyboarding and Media Literacy should be taken during the Freshman year.*

***Two social studies credits MUST include one credit of US History/American Government and one-half credit Civics.*

Required courses plus electives must equal **28 credits** in addition to a successful 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)
4. Obtain pre-approval from the high school superintendent to take Driver Education outside NCHS.

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.
3. The student is a junior or senior and participating in a varsity sport.

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 be best described as a program of study that includes coursework that provides 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 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 minimum 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, Contemporary Literature, British Literature, Creative Writing, Dramatic Literature, Grammar & Rhetoric, Senior Seminar, AP Language & Composition, and Publication Production. (Not all courses are approved by the NCAA and institutions of higher learning. Select according to your post-secondary plan.)
- **Fine Arts**—One year of Fine Arts is required. This requirement may be met by any combination of classes from the following sections: Foreign Language, Music, or Art.
- **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 Physical Science 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, Veterinary Science, Horticulture, and Greenhouse. (Not all courses are approved by the NCAA and institutions of higher learning. Select according to your post-secondary plan.)
- **Social Studies**—U.S. History/American Government and Civics are required, plus 1/2 credit in social studies electives. All elective courses are listed in the Social Studies section. (Not all courses are approved by the NCAA and institutions of higher learning. Select according to your post-secondary plan.)

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 and private universities. This information is available in the Counseling Office and is updated by the universities each year. A typical guideline is: 4 years of English; 3 years of Mathematics; 3 years of Science; 3 years of Social Studies; 2-3 years of Fine Arts, Vocational Education, or Foreign Language. U of I is the only state university in Illinois that requires two years of a foreign language for admission. However, most require two or more years for graduation, which can often be met by two or more years at the high school level with a grade of C or better.

AP Courses:

NCHS will offer AP courses in US History, Calculus, Language & Composition, Physics, Spanish, Studio Art: 2-D Design, Studio Art: Drawing, and Music Theory. Students may sit for the AP Exam in May. Students who earn a 3, 4, or 5 on the AP Exam may be eligible for college credit at the university level. The cost of the exam is the student's responsibility. Students also have the opportunity to take courses independently through IL Virtual High School or Edgenuity. For more information on AP courses, please contact the school counselor.

Indian Valley Vocational Center

Juniors and Seniors may elect to participate in programs offered at Indian Valley Vocational Center in Sandwich. Information describing the various programs can be found on page 41.

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 through Xello with the intent to complete NCHS graduation requirements and not be an early graduate;
2. have post-grad career plans relative to an IVVC program.

IVVC is **not** a time for career exploration. It is an opportunity for students who are certain of their career plans to receive training and/or certification before high school graduation so they can move directly into the skilled labor force upon high school graduation. Students who are selected to attend IVVC must attend IVVC for the entire school year. There are **NO** exceptions. IVVC is expensive and the NCHS superintendent and school board make a financial commitment to IVVC on a student's behalf. Therefore, students who are selected and choose to attend IVVC **MUST** understand this commitment. Students who attend IVVC during the junior year and earn a grade of C or better will be automatically enrolled in IVVC for the senior year. Students not wishing to return to IVVC for the senior year must inform the counseling office in writing before the February 1 deadline.

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 Counseling Office. (See following page)

Dual Credit

Students who attend IVVC may earn dual credit through Waubensee Community College or Joliet Junior College providing certain criteria are met. See the school counselor for more information.

Students may also choose to take one or more college courses for dual credit. A maximum of 4 high school credits can be earned through dual credit for a high school diploma. Approval from the high school administration **MUST** be granted **BEFORE** a student enrolls in a college course for dual credit. Colleges have certain restrictions for high school students who take college courses. Please see the school counselor for more information.

Credit Recovery

Students who fail classes at NCHS may be eligible to take credit recovery courses through Waubensee Community College's Summer High School Program, or a program provided through NCHS entitled Edgenuity. Please see the school counselor for more information.

Newark High School Articulated Credit

Newark High School	Waubensee Community College	Credits
Accounting I (12104A001)	ACC 101 Introduction to Accounting	3
Computer Applications/Keyboarding (12005A001 and 10004A001)	CIS 108 Comprehensive Word Processing	3
Computer Applications/Keyboarding (12005A001 and 10004A001)	CIS 105 Introduction to Windows	1
Newark High School	Joliet Junior College	Credits
Agriculture Mechanics and Technology (18402A001)	AGRI 150 Introduction to Agriculture Mechanization	3
Agribusiness Operations (18202A001)	AGRI 299 Special Topics in Agriculture	3
Horticulture Production and Management (18051A001)	HORT 100 Introduction to Horticulture	3
Indian Valley Vocational Center	Waubensee Community College	Credits
Collision Repair I (20116A001) and Collision Repair II (20116A002)	ABR 115 Basic Auto Body Repair	4
Automotive Technology II (20104A002)	AUT 100 Maintenance and Light Repair	2
Certified Nurse Assistant (14051A001)	NAS 101 Basic Nurse Assistant Training	6
Computer Technology I (10252A001)	CIS 105 Introduction to Windows	1
Construction Trades I Construction Trades II	CMT101 The Construction Industry CMT105 Print Reading for Construction	3 3
Emergency Medical Technician - Basic (14055A001)	EMT 120 Emergency Medical Technical - Basic	9
Fire Science I (15152A001) *If enrolled as dual credit, do not apply for articulated credit.	FSC 105 Basic Operations Firefighter Module A and FSC 115 Basic Operations Firefighter Module B and FSC 118 Basic Operations Firefighter Module C and FSC 215 Vehicle Operations	4 4 4.5 .5
Fire Science II (15152A002) *If enrolled as dual credit, do not apply for articulated credit.	FSC 120 Hazardous Materials Operations and FSC 125 Advanced Technician Firefighter and FSC 150 Vehicle and Machinery Operations	3 4 3
Health Occupations (14002A002)	HIT 110 Medical Terminology	3
Sports Medicine I (14062A001)	KPE 150 Basic Prevention and Care of Athletic Injuries	3
Sports Medicine II (14062A001)	KPE 209 Introduction to Exercise Science KPE 237 Strength and Conditioning Principles	3 3
Teaching Methods II (19151A001)	ECE 101 Introduction to Early Childhood Education	3
Welding I (13207A001)	WLD 101 Blueprint Reading for Welders	3
Welding and Fabrication I (13207A001) and Welding and Fabrication II (13207A002)	WLD 100 Survey of Welding and WLD 115 Oxy-Fuel Welding & Cutting and WLD 120 Shielded Metal Arc Welding I	3 3 3
Welding II (13207A002)	WLD 125 Gas Metal Arc & Flux Cored Arc Welding	3
Indian Valley Vocational Center	Kishwaukee College	Credits
Auto Technology I (20104A001)	AMT 131 Automotive Steering and Suspension	3
Auto Technology II (20104A002)	AMT 125 Automotive Braking Systems	3

Chart continued on page 8....

Articulation Chart Continued...

Certified Nurse Assistant (14051A001))	NUR 100 Basic Nurse Assistant Training	7
Construction Trades I	CAD 110 Orientation to CADD	1
Health Occupations (14002A002)	OS 216 Medical Terminology	3
Law Enforcement I (15051A003)	CRJ 101 Introduction to Criminal Justice	3
Law Enforcement II (15051A004)	CRJ 201 Criminal Investigations	3
Teaching Methods II (19151A001)	ECE 112 Guiding Young Children	3
Welding I (13207A001)	WT 116 Fundamental Welding Processes	2

Industry Certification - Proficiency Credit for Prior Learning

Certification	Waubonsee Community College	Credits
OSHA 10	MTT 100 Safety Principles	1
Directions: Complete Prior Learning Assessment (PLA) form, bring OSHA 10 card and PLA form to Akerlow Hall 230 for the Dean of Business and Career Technologies		
Certification	Joliet Junior College	Credits
ServSafe Manager	CA 106 Applied Food Service Sanitation	2
Certification	Elgin Community College	Credits
ServSafe Manager	CUL 106 ServSafe Manager Certification	1
Certification	College of DuPage	Credits
ServSafe Manager	CULIN 1120 Sanitation	1

Report Cards

Grades are always available online on PowerSchool. If a student is receiving a D or F in one or more classes at the mid-point of the semester, the teacher will personally contact the parents regarding the poor grade. Teachers are required to contact parents if a student is failing a class at the end of the semester. Parents should use PowerSchool to keep track of their son or daughter's grades. Parents are also urged to contact the student's 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 at www.nchs18.org. Click on About Us and scroll down to Staff Directory.

The Newark High School faculty and staff are committed to providing a quality education for our students.

Our Vision:

LEARNING DRIVES SUCCESS

Key Beliefs:

- Educate for tomorrow
- Interact with integrity
- Respect diversity

Odd-numbered school years

2027-2028 2029-2030

2031-2032 2033-2034

Even-numbered school years

2026-2027 2028-2029

2030-2031 2032-2033

AGRICULTURE

Introduction to Ag. Industry
Gr. 9-12
(Full Year Course)

▼
Agricultural
Science
Gr. 10-12
Prerequisite:
Intro. to Ag.

▼
Agricultural
Mechanics
Gr. 10-12
Offered
odd-numbered
school years
Prerequisite:
Intro. to Ag.

▼
Horticulture
Production &
Management
Gr. 10-12
Offered
even-numbered
school years
Prerequisite:
Intro. to Ag.

▼
Agribusiness
Operations
Gr. 11-12
Offered
even-numbered
school years
Prerequisite:
Intro. to Ag.

▼
Agribusiness
Management
Gr. 11-12
Offered
odd-numbered
school years
Prerequisite:
Intro. to Ag.

▼
Veterinary Science
Gr. 11-12
Offered even-
numbered school
years
Prerequisite: Biology
I and Ag Science or
permission of
instructor

▼
Greenhouse Production, Landscape and
Turf Management
Gr. 11-12
Offered odd-numbered school years
Prerequisite: Horticulture Production &
Management

Supervised
Agriculture
Experience I
Gr. 9-10

A part of all
Ag. Courses

Supervised
Agriculture
Experience II
Gr. 11-12
Prerequisite:
SAE I

All Ag courses require enrollment in a Supervised Agriculture Experience (SAE) and participation in FFA. No exceptions!

AGRICULTURE

College entrance requirements may include 1 to 2 credits from an elective area including vocational education courses. Any of the following courses may be used to meet that requirement and the CTE grad requirement.

Introduction to Agriculture Industry

Course #AGO100

Prerequisite: None

Elective

State Title: Introduction to the Ag Industry

Grade: 9, 10, 11, 12

Length: 2 semesters

Credit: 1

State #: 18001A001

This orientation course provides an opportunity for students to learn the fundamentals of the agriculture industry. Students will learn how agriculture is more than farming, and can expect to learn industry facts; parliamentary procedure; speech skills; animal, plant and food science; basic mechanics skills; business and record keeping skills; and FFA. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. Because FFA and Supervised Agricultural Experience Programs (SAE) are integral components of this course, students are required to participate in activities of the FFA organization.

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

Supervised Agricultural Experience I

Course #AGO101

Prerequisite: Enrollment in Ag Course

Elective

State Title: Supervised Agricultural Experience

Grade: 9, 10

Length: 1 semester

Credit: 1/4 per semester

State #: 18998A003

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 bookwork, training plans and agreements, report writing, and instructor project visitation and supervision are essentials of the supervised occupational experience as well as basic employability, transition skills, and work ethic. **All SAE work is done outside the regular school day.**

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.

Agricultural Mechanics and Technology

Course #AGO201

Prerequisite: Intro to Ag

Elective

State Title: Agricultural Mechanics & Technology

Grade: 10, 11, 12

Length: 2 semesters

Credit: 1

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 required to participate in activities of the FFA organization.

Students who graduate from NCHS with a grade of B or better in Ag Mechanics will be granted college credit at Joliet Junior College, which is part of the occupational agriculture program. 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 enroll in a Supervised Agricultural Experience I Program both semesters.

Agricultural Science

Course #AGO200

Prerequisite: Intro to Ag

Elective

State Title: Basic Agricultural Science

Grade: 10, 11, 12

Length: 2 semesters

Credit: 1

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 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.**

Veterinary Science

Course #AGO308

Prerequisite: Biology & Ag Science

Elective

State Title: Veterinary Technology

Grade: 11, 12

Length: 2 semesters

Credit: 1

State #: 18105A001

This course will be offered in even numbered school years. This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, advanced animal nutrition and reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

All students are **required** to join the FFA and 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.**

Horticulture Production and Management

Course #AGO301

Prerequisite: Intro. to Ag

Elective

State Title: Horticultural Production & Management

Grade: 10, 11, 12

Length: 2 semesters

Credit: 1

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.

Students who graduate from NCHS with a grade of B or better in Horticulture will be granted college credit at Joliet Junior College, which is part of the occupational agriculture program. 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 have a satisfactory Supervised Agricultural Experience Program. **This course may be used toward NCHS Science credits.**

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

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 are an integral course component for leadership development, career exploration and reinforcement of academic concepts.

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

<u>Agribusiness Operations</u>	Grade: 11, 12
Course #AGO302	Length: 2 semesters
Prerequisite: Intro to Agriculture	State #: 18202A001
Elective	
State Title: Agricultural Sales & Marketing	

This course will be offered in even-numbered school years. This course is designed to develop student knowledge and skills in agricultural sales and marketing, focusing on their individual and team sales ability, as well as international and USA marketing concepts. Through hands-on activities students will create many marketing projects, including but not limited to advertisements, videos, displays, and oral communications. Topics of this course include commodity marketing, agricultural economics, developing a marketing plan, pricing, advertising, selling products and services, applying commodity trading techniques, basic economic principles, the international agribusiness economy, and agricultural career opportunities. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration and reinforcement of academic concepts.

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 program. 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 have a satisfactory Supervised Agricultural Experience Program. Students who have taken the Agribusiness Management class may take this class.

<u>Agribusiness Management</u>	Grade: 11, 12
Course #AGO303	Length: 2 semesters
Prerequisite: Intro. to Ag	Credit: 1
Elective	State #: 18203A003
State Title: Agricultural Business Management	

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 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: Supervised Agricultural Experience

Grade: 11, 12

Length: 1 semester

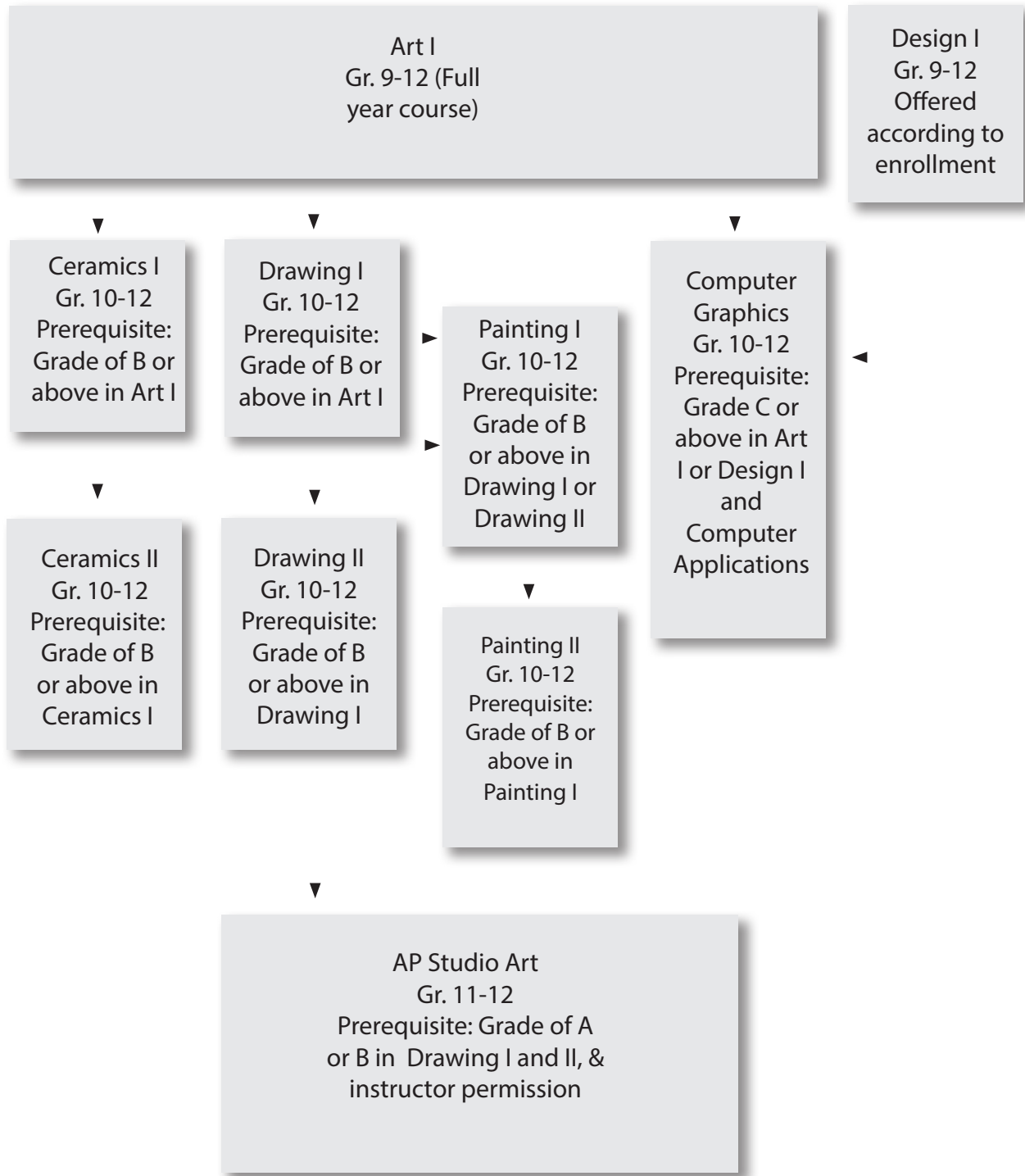
Credit: 1/4 per semester

State #: 18998A003

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 day.**

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 will be taught every year. All other ART courses will be offered as identified in the course description.

Art I

Course #ART110

Prerequisite: None

Elective

State Title: Visual Arts - Comprehensivexs

Grade: 9, 10, 11, 12

Length: 2 semesters

Credit: 1

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.

Ceramics I

Course #ART210

Prerequisite: Grade of C or above in Art I

Elective

State Title: Ceramics/Pottery

Grade: 10, 11, 12

Length: 1 semester

Credit: 1/2

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 and glaze application experience. This course also addresses issues of three-dimensional design as they pertain to contemporary ceramics.

Ceramics II

Course #ART311

Prerequisite: Grade of B or above in Ceramics I

Elective

State Title: Ceramics/Pottery

Grade: 10, 11, 12

Length: 1 semester

Credit: 1/2

State #: 05159A000

This course will be offered in the spring according to enrollment.

Ceramics II is a semester course which builds upon the hand-building techniques with advanced wheel, sculpture, and glaze application experience. This course also addresses issues of three-dimensional design as they pertain to contemporary ceramics.

Computer Graphics

Course #ART212

Prerequisite: Grade of C or above in Art I or Design
and Computer Applications

Elective

State Title: Computer Graphics

Grade: 10, 11, 12

Length: 1 semester

Credit: 1/2

State #: 05162A000

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

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.

Design

Course #ART213

Prerequisite: None

Elective

State Title: Design

Grade: 9, 10, 11, 12

Length: 1 semester

Credit: 1/2

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.

Drawing I

Course #ART214

Prerequisite: Grade of B or above in Art I

Elective

State Title: Creative Art - Drawing

Grade: 10, 11, 12

Length: 1 semester

Credit: 1/2

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. **This course will be taught fall semester.**

Drawing II

Course #ART314

Prerequisite: Grade of B or above in Drawing I

Elective

State Title: Creative Art - Drawing I

Grade: 10, 11, 12

Length: 1 semester

Credit: 1/2

State #:05156A000

This course will be taught in the spring semester according to enrollment. Drawing II is a semester course designed to develop the ability to draw with ease and flexibility and provide a comprehensive and systematic approach that builds upon skills learned in Drawing I. 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 to allow advanced students to master skills and to use those skills creatively and expressively. The course promotes an exploration of ideas in imagery and self-expression.

Painting I

Course #ART215

Prerequisite: Grade of B or above in Drawing I or II

Elective

State Title: Creative Art - Painting

Grade: 10, 11, 12

Length: 1 semester

Credit: 1/2

State #: 05157A000

This course will be taught fall semester. Painting I provides instruction in watercolor 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.

Painting II

Course #ART315

Prerequisite: Grade of B or above in Painting I

Elective

State Title: Creative Arts - Painting

Grade: 10, 11, 12

Length: 1 semester

Credit: 1/2

State #: 05157A000

This course will be taught spring semester according to enrollment.

Painting II 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.

AP Studio Art: 2-D Design or Drawing

Course #ART400

Prerequisite: Grade A or B in

Drawing I & II and instructor permission

Elective

State Title: AP Studio Art: 2-D Design
or AP Studio Art: Drawing Portfolio

Grade: 11, 12

Credit: 1

State #: 05173A000 2-D Design
05172A000 Drawing

Length: 1 year

AP Studio Art is designed for the students who are seriously interested in a rigorous and focused study in two dimensional visual art. AP Studio Art is not based on a written exam; instead, students submit portfolios (15 pieces) for evaluation by the College Board for college credit at the end of the school year. The two parts to a student's portfolio includes: 1. Concentration Section (Sustained Investigation) - 15 works describing an in-depth exploration of a particular 2-D design concern.; 2. Quality Section - 5 works (from the 15) that demonstrate understanding of design in concept, composition, and execution.

All AP Studio Art students are expected to become independent thinkers and to apply their knowledge (gained from Introduction and Advanced courses) of the Elements and Principles to their work (regardless of media) in order to demonstrate mastery of advanced level design skills and concepts. Ongoing critical analysis through group and individual critiques provide students with opportunities to learn to analyze their own work and their peers' work. As in any college level course, students will be expected to spend a considerable amount of time outside of class in order to complete assignments and doing homework and sketchbook assignments.

This is a full year course plus it requires work throughout the summer prior to taking the course.
AP Studio: 2-D Design/Drawing will be offered in the odd numbered years.

BUSINESS

Introduction to Business
Gr. 9-12

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

Sports &
Entertainment
Marketing
Gr. 11-12,
10 w/permission
Offered in even
years.

Business
Technology
Gr. 10-12,
9 w/permission
Offered in odd
years.

Business
Law
Gr. 11-12

College &
Career
Readiness
Gr. 12

Workplace Career Experience

Gr. 11, 12
By application only

BUSINESS

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

Introduction to Business

Course #BUS220

Prerequisite: None

Elective

State Title: Business & Technology Concepts

Grade: 9, 10, 11, 12

Length: 1 semester

Credit: 1/2

State #: 12001A001

This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production.) Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management.

Business Law

Course #BUS322

Prerequisite: None

Elective

State Title: Business Law

Grade: 11, 12

(Gr 10 w/ Permission)

Length: 1 semester

Credit: 1/2

State #: 12054A001

This course introduces law and the origins and necessity of the legal system. It provides insight into the evolution and development of laws that govern business in our society; develops an understanding of how organization and operation of the legal system impact business; develops an understanding of rights and duties within the business environment; and includes contractual responsibility.

Accounting I

Course #BUS321

Prerequisite: None *Sophomores: Grade of A or B
in Algebra I and permission of instructor

Elective

State Title: Accounting I

Grade: 10*, 11, 12

Length: 2 semesters

Credit: 1

State #: 12104A001

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 corporations as service and merchandising businesses.

Advanced Accounting

Course #BUS323

Prerequisite: Accounting I

Elective

State Title: Accounting II

Grade: 11, 12

Length: 1 semester

Credit: 1/2

State #: 12104A002

This course will build upon the foundations established in Accounting I. This course is planned to help students develop a deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. The students will become familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. **This course will be taught in the fall semester according to enrollment.**

Sports and Entertainment Marketing
Course #BUS325
Prerequisite: None
Elective
State Title: Service-Oriented Marketing

Grade: 11,12
(10 with permission)
Length: 1 semester
Credit: 1/2
State #: 12055A001

Sports and Entertainment Marketing is a course that is designed for students interested in sports, entertainment, and event marketing. Emphasis is placed on the following principles as they apply to the industry: branding, licensing and naming rights, business foundations, concessions and on-site merchandising, economic foundations, promotion, safety and security, and human relations. Marketing simulations, projects, and teamwork activities may provide many opportunities for application of instructional competencies as well as utilizing the Internet and attending field trips.

Business Technology
Course #BUS221
Prerequisite: Computer Apps/Keyboarding
Elective
State Title: Information Processing

Grade: 10,11,12
(9 with permission)
Length: 1 semester
Credit: 1/2
State #: 10005A001

In this course, students will learn more advanced tools in Microsoft Word, Excel, and PowerPoint. In Word, students will learn to use the letter and mailing wizard, set tabs, create tables, and make a greeting card. In Excel, students will learn to create databases and incorporate more advanced formulas. With PowerPoint, students will learn to wow their audience with advanced presentation skills that best meet the needs of the audience.

Workplace Career Experience
Course #BUS410
Prerequisite: None
Elective
State Title: Cooperative Education

Grade: 11, 12
(by application only)
Length: 1 or 2 semesters
Credit: 2 credits per semester
State #: Varies according to
subject matter studied in placement

Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students may be released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations.

Students may either work during the school day or choose to take a full course load at NCHS and work either before or after school and/or on the weekend. Students interested in taking this course should see Mrs. Woods for an application. Requirements include a minimum of 10 hours in the workplace per week. It is the student's responsibility to secure his/her own employment and may seek Mrs. Wood's assistance.

Students are not allowed to work for a parent.

This course fulfills the consumer economics requirement.

College & Career Readiness

Course #BUS420_

Prerequisite: None

Required of all seniors

State Title: Career Exploration

Grade: 12

Length: 1 quarter

Credit: 1/4

State #: 22151A000

College & Career Exploration is a course required of all seniors. Students will take this course opposite Senior Seminar. The course will focus on preparing students for their post-secondary options. Course content includes, but is not limited to: career exploration, applying to college, filling out scholarships, researching the application process for applying to a union apprenticeship, researching the process for enlisting in the military, and focusing on the components of applying for a job. Students will create a resume, cover letter, and fill out at least one job application and three college applications. Students will utilize Xello to search for scholarships, keep track of college applications and required supplementary documents, and research career requirements. This course may include field trips to four-year universities and local community colleges. Students will be provided with dates to attend college and career fairs outside of school. Students will create a portfolio of important documents as the culminating project. This course is taught in the fall semester with Senior Seminar.

COMPUTER EDUCATION

Media Literacy
Gr. 9
Prerequisite: None
Graduation Requirement

Computer Applications/Keyboarding
Gr. 9 Graduation Requirement



Publication
Production
Gr. 10-12
Prerequisite: None



Computer
Graphics
Gr. 10-12
Prerequisite:
Grade of C or
better in Art I or
Design I and
Computer
Applications



Business
Technology
Gr. 10-12
9 w/permission
Prerequisite:
Computer
Applications

Offered every
other year in odd
years

COMPUTER EDUCATION

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

Media Literacy

Course #CPT163

Prerequisite: None

Required of all freshmen

State Title: Media Literacy

Grade: 9

Length: 1 semester

Credit: 1/2

State #: 05263A000

Media Literacy is a one-semester course designed to provide students with skills and information to navigate and analyze the online media landscape. Students will develop fact-checking skills to evaluate online sources for reliability and to conduct research effectively. Topics to be covered include communication technology, mass media classification, photo and video evaluation, data analysis, AI ethics, and Internet privacy and safety. This course is a state requirement for high school graduation.

Computer Applications/Keyboarding

Course #CPT162

Prerequisite: None

Required of all freshmen

State Title: Computer Concepts
& Software Applications

Grade: 9

Length: 1 semester

Credit: 1/2

State #: 12005A001

A semester-long course in which basic computer skills are developed. Students will develop basic skills in keyboarding techniques for entering alphabetic, numeric, and symbol information found on computers and devices. Students will learn the various components of Microsoft Word for use with a wide variety of documents and styles. Major emphasis is placed on formatting documents, improving proofreading skills, and increasing speed and accuracy.

In addition to keyboarding skills, students will develop an awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing, and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications such as Microsoft Office Suite, Adobe InDesign, Adobe Photoshop, iMovie, and Internet Applications. Students will explore topics related to computer concepts, operating systems, telecommunications, and emerging technologies. The development of employability skills will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment.

Business Technology

Course #BUS221

Prerequisite: Computer Applications

Elective

State Title: Information Processing

Grade: 10, 11, 12
(9 with permission)

Length: 1 semester

Credit: 1/2

State #: 10005A001

In this course, students will learn more advanced tools in Microsoft Word, Excel, and PowerPoint. In Word, students will learn to use the letter and mailing wizard, set tabs, create tables, and make a greeting card. In Excel, students will learn to create databases and incorporate more advanced formulas. With PowerPoint, students will learn to wow their audience with advanced presentation skills that best meet the needs of the audience.

Publication Production

Course #ENG338

Prerequisite: None

Elective Computer Graphics suggested

Grade: 10, 11, 12

Length: 2 semesters

Credit: 1

State #: 11104A000

State Title: Publication Production

This course will provide students with the knowledge and skills necessary to produce the school newspaper and yearbook. Students may gain experience in several components (writing, editing, layout, production, and so on.) Students will learn and practice specialized areas of production, including theme 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 both the school yearbook and NCHS monthly newsletter will become the lab to practice and test skills learned in the course.

This course will be taught by an English teacher. The English teacher will handle the writing intensive component of the course, as well as the technology component. This class will count as an English elective credit.

Computer Graphics

Course #ART212

Prerequisite: Grade of C or above in Art I or

Design I and Computer Applications

Elective State #: 05162A000

State Title: Digital Graphics

Grade: 10, 11, 12

Length: 1 semester

Credit: 1/2

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 Spring semester based on enrollment.**

Consumer Economics

Consumer Economics
Gr. 11, 12

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 (i.e., early graduation). 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: 11, 12

Length: 1 semester

Credit: 1/2

State #: 19262A001

This course focuses on the identification and management of personal and family resources to meet the needs, values, and wants of individuals and families throughout the life cycle. The course utilizes a variety of project-based experiences to gain knowledge and expertise in understanding and applying management skills, with consideration to diverse social, economic, technological, environmental, and cultural characteristics of individuals and families. Topics include: consumer rights and responsibilities in the marketplace; financial responsibility and decision-making; planning and money management; credit and debt; risk management and insurance; saving; investing; home ownership; state and federal taxes; electronic banking; and current issues in the economy.

This course is required by the State of Illinois.

DRIVER EDUCATION

Driver Education

Gr. 9** and 10, depending on age

Prerequisite: Illinois State Law requires a student to have a passing grade in 8 courses during the previous 2 semesters and the student **MUST** be 15 years old within 30 days of the start of class.

Students who wish to take Driver Education outside NCHS from a private source MUST obtain written permission from the high school superintendent before enrolling in the private program. A fee may be assessed.

***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.**

****Ninth grade students can take Driver Education if they are 15 years within 30 days of the start of the first class and it fits in the student's schedule without interfering with a required course. No student will be allowed to drop a required course to take Driver Education.**

DRIVER EDUCATION

Driver Education

Course #DED282/283

Prerequisite: Earned a minimum of 4 credits
in previous 2 semesters and be
15 years within 30 days of start of term
(passed 8 classes)

Grade: 10

Length: 1 semester

Credit: 1/2

Fee: 150.00

State #: 08152A000

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.

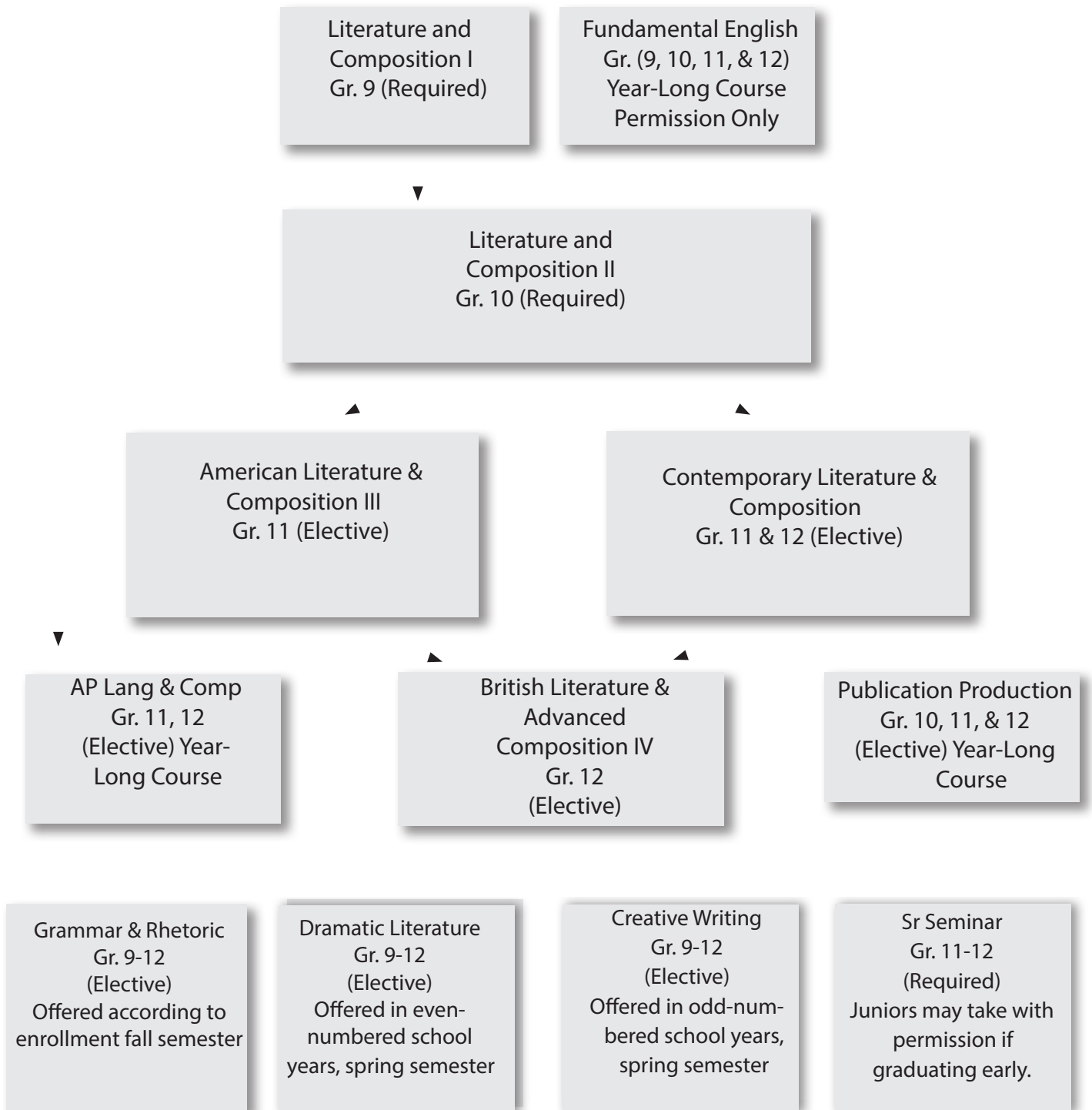
*The parent should be able to commit to 25 hours of practice driving during the semester the student is enrolled in the driver education class. If the parent cannot make this commitment, they should consider not enrolling the student in driver education. Students will have various driving assignments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

Students who desire to take driver education off-campus MUST obtain written approval from the Superintendent BEFORE signing up for the class.

There is a possibility that this class will also provide first aid, CPR, and AED training.

ENGLISH

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



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

ENGLISH

Most of the courses listed in the English section may be used to fulfill college entrance requirements in English. Please see the school counselor for details.

Literature and Composition I

Course #ENG132

Prerequisite: None

Required

State Title: English/Language Arts I

Grade: 9

Length: 2 semesters

Credit: 1

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, short stories, and non-fiction. Technology is integrated into all aspects of the course.

Literature and Composition II

Course #ENG231

Prerequisite: Literature and Composition I

Required

State Title: English/Literature

Grade: 10

Length: 2 semesters

Credit: 1

State #: 01051A000

This course builds upon the prerequisite and is designed to help the student comprehend, analyze, and apply concepts from literature while thinking critically about short stories, 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 formal speeches to demonstrate and inform.

American Literature and Composition III

Course #ENG330

Prerequisite: Literature and Composition II

Elective

State Title: English/Literature

Grade: 11

Length: 2 semesters

Credit: 1

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, as well as 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, and editing. **Students who are college-bound should elect to take this course to meet college entrance requirements.**

British Literature and Advanced Composition

Course #ENG430

Prerequisite: American Literature and
Composition III

Elective

State Title: Literature - Other

Grade: 12

Length: 2 semesters

Credit: 1

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.

AP Language and Composition

Course #ENG432

Prerequisite: A or B in Literature & Composition II

Required

State Title: AP English Language & Composition

Grade: 11, 12

Length: 2 semesters

Credit: 1

State #: 01005A000

The Advanced Placement English Language and Composition course is designed to help students become skilled readers and writers of a variety of texts. Students will achieve this through awareness of the interactions of a writer's purpose, audience, and subjects, as well as the ways that language use contributes to effective writing. Students will gain awareness of their own composing processes: the way they explore ideas, reconsider strategies, and revise their work. Students in the AP Language and Composition course will read and become acquainted with a wide variety of prose styles, nonfiction, from many disciplines and historical periods, as well as graphic and visual images in print and electronic form. In addition, the informed use of research materials and the ability to synthesize and evaluate information from various sources are integral parts of the AP Language and Composition course. Students who take this course should expect the workload that is typically associated with a college level course to be successful.

Contemporary Literature & Composition

Course #ENG339

Prerequisite: Literature & Composition II

Elective

State Title: World Literature

Grade: 11, 12

Length: 2 semesters

Credit: 1

State #: 01058A000

Contemporary 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.

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

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 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.

Creative Writing

State Title: Creative Writing
Course #ENG334
Prerequisite: Literature & Composition I
Elective

Grade: 9, 10, 11, 12
Length: 1 semester
Credit: 1/2
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.***

Publication Production

Prerequisite: None
Computer Graphics suggested
Course #ENG338
Elective
State Title: Publication Production

Grade: 10, 11, 12
Length: 2 semesters
Credit: 1
State #: 11104A000

This course will provide students with the knowledge and skills necessary to produce the school newspaper and yearbook. Students may gain experience in several components (writing, editing, layout, production, and so on.) Students will learn and practice specialized areas of production, including theme 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 both the school yearbook and NCHS monthly newsletter will become the lab to practice and test skills learned in the course.

This course will be taught by an English teacher. The English teacher will handle the writing intensive component of the course, as well as the technology component. This class will count as an English elective credit.

Fundamental English I, II, III, IV

Course #ENG133, 231
Prerequisite: None
Required
State Title: Assisted Reading

Grade: 9, 10, 11, 12
Length: 2 semesters
Credit: 1
State #: 01067A000

This course is intended for the special education student who needs more personalized instruction in Literature and Composition, reading comprehension, and written expression.

Senior Seminar

Course #ENG491

Prerequisite: None

Required

State Title: Miscellaneous - Other

Grade: 12

Length: 1 quarter

Credit: 1/2

State #: 22999A000

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. Developing an essential question, applying technology to the senior project, and organizing tasks necessary to successfully complete the 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. Juniors may only take this course if they have filed a plan to graduate early and that plan has been approved.

Students in Senior Seminar will be divided into two sections. While one section is working on their senior project/presentation, the other section will be working on College and Career Readiness. Students in CCR will work on resume's, job applications, interview skills, college applications, scholarship applications, and ASVAB prep for students pursuing a career in the military. Students will attend field trips to area public and private universities, the local community college, and the Apprenticeship Expo.

FAMILY AND CONSUMER SCIENCE

Intro to Family & Consumer
Sciences
Gr. 9, 10
Offered in the fall semester
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



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

Child Development and
Parenting
Gr. 10-12
Offered spring semester
according to enrollment

Introduction to Sewing
Gr. 9 -12



Clothing Construction &
Design
Gr. 9 - 12
Prerequisite: Intro to Sewing



Fashion Merchandising
Gr. 11, 12
Offered in the fall
semester according to
enrollment.
Prerequisite: Clothing

Interior Design
Gr. 10-12 Offered
spring semester in odd
numbered years.

Adult Living
Gr. 11, 12 Offered
spring semester in even
numbered years.

FAMILY AND CONSUMER SCIENCE

All of the following courses may be used to meet college entrance requirements in Elective areas as Vocational Education credits, as well as the CTE graduation requirement.

<u>Introduction to Family and Consumer Sciences</u>	Grade: 9, 10
Course #HEC140	Length: 1 semester
Prerequisite: None	Credit: 1/2
Elective	State #: 19251A001
State Title: Introduction to Family & Consumer Sciences	

This course introduces students to the field of Family and Consumer Sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: Nutrition and Culinary Arts, Sewing, and Parenting.

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

<u>Introduction to Sewing</u>	Grade: 9, 10, 11, 12
Course #HEC144	Length: 1 semester
Prerequisite: Intro to Sewing	Credit: 1/2
Elective	State #: 19201A001
State Title: Textiles & Design I	

This course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands-on and project-based learning experiences students will discover fiber characteristics, fabric construction methods, elements of science and design in textiles and apparel, and basic construction skills used in interior furnishings and apparel industries. This course emphasizes awareness and investigation of careers and industry trends in textiles.

This course is offered in the fall.

<u>Clothing Construction & Design</u>	Grade: 9, 10, 11, 12
Course #HEC147	Length: 1 semester
Prerequisite: Intro to Sewing	Credit: 1/2
Elective	State #: 19203A001
State Title: Textiles & Design II	

This project-based course focuses on the implementation and recognition of design principles in selecting, constructing, altering and remodeling textile products. Project management skills, including efficient use of time, materials, technique and tools are incorporated throughout the course. Topics include: engineered fabric constructions; fiber and textile trends; color theory; principles of design; fabric finishes; industry construction techniques; use of industry tools, equipment, and terminology; knowledge of resources and vendors; research and evaluation of textile products for special needs populations; impacts of technology; construction, alteration and re-design skills; and simple flat pattern design and recognition.

This course is offered in the spring.

Fashion Merchandising

Course #HEC342

Prerequisite: Clothing Construction & Design

Elective

State Title: Fashion Merchandising

Grade: 11, 12

Length: 1 semester

Credit: 1/2

State #: 12153A001

Fashion Merchandising focuses on the application of research techniques to understand the cultural, environmental, and psychological aspects of textile products as related to the customer's needs. This course develops skills to research and apply knowledge of a product for the textile and design industry through hands-on, problem based learning experiences and projects. Topics include: product knowledge and promotion; industry trends and style; industry specific terminology; marketing campaigns; current technology; and visual merchandising displays. Emphasis is placed on the development of a variety of communication techniques necessary in the promotion of products and the formation of client relationships.

Offered in the fall semester according to enrollment.

Foods I

Course #HEC242

Prerequisite: None

Elective

State Title: Nutrition & Culinary Arts I

Grade: 9, 10, 11, 12

Length: 1 semester

Credit: 1/2

State #: 16054A001

This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompasses: food service and preparation management using the decision making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation.

Foods II

Course #HEC243

Prerequisite: Foods I or permission of instructor

Elective

State Title: Nutrition & Culinary Arts I

Grade: 9, 10, 11, 12

Length: 1 semester

Credit: 1/2

State #: 16054A002

Foods II provides principles of application into the hospitality industry including nutrition, culinary and entrepreneurial opportunities. Course content includes the following: selection, purchase, preparation and conservation of food, dietary needs and trends, regional & international cuisine, safety and sanitation and careers in food service industries. All of these concepts can be interpreted through laboratory experiences.

Foods III

Course #HEC245

Prerequisite: Foods I and II

Elective

State Title: Nutrition & Culinary Arts II

Grade: 10, 11, 12

Length: 1 semester

Credit: 1/2

State
#: 19254A001

The scientific method is used to study foods as a combination of chemical, physical and biological sciences. Laboratory skills in measuring, recording, and analyzing data are used to explore the interrelationship of food science to the other sciences; the scientific evaluation of food, matter, electrolyte solutions, energy nutrition; food safety and food chemistry. Experimental methods are used to analyze food mixtures, food microbiology, fermentation, sensory processes, the preservation of foods and complex food systems. Technology is studied as it relates to product development, consumer needs and experimental designs. Emphasis is placed on emerging careers in food science and biotechnology and the application of food science in food service, nutrition, dietetics and product development.

Interior Design
Course #HEC252
Prerequisite: None
Elective

Grade: 10, 11, 12
Length: 1 semester
Credit: 1/2
State #: 05193A001

State Title: Interior Design: Residential,
Commercial, & Public Space

This course provides basic knowledge and skills needed to select, acquire, furnish, maintain, and manage residential and commercial environments to meet the needs of the users/occupants. The course includes the application of the interior design elements and principles; selection and care of furnishings, equipment and accessories in relation to socioeconomic factors, trends, personal tastes and characteristics, as well as physical and psychological needs; safety, sanitation, and efficiency factors in interior design; and evaluating use and care of textiles. This project based course investigates a variety of related career opportunities, including entrepreneurship. Emphasis is placed on the application of project management skills.

This course will be taught in the Spring semester in odd numbered years.

Adult Living
Course #HEC343
Prerequisite: None
Elective

Grade: 11, 12
Length: 1 semester
Credit: 1/2
State #: 22207A001

State Title: Family & Career Relationships

This course is designed to focus on the knowledge, attitudes and behaviors needed to participate in positive, caring and respectful relationships in the family, community and workplace. This project-based course uses communication, leadership and management methods to develop knowledge and behaviors necessary for individuals to become independent, contributing and responsible participants in family, community and career settings. Emphasis is placed on the development of techniques and strategies to assist individuals in responding to situations presented in family relationships and the workplace. The course content includes: managing responsibilities, satisfactions and stresses of work and family life; analyzing personal standards, needs, aptitudes and goals; roles and responsibilities of living independently and as a family member; demonstrating goal-setting and decision-making skills; identifying and utilizing community resources and developing effective relationships to promote communication with others. The course provides students content to identify resources that will assist them in managing life situations.

Offered in even numbered years in the spring.

Child Development and Parenting
Course #HEC341
Prerequisite: None
Elective

Grade: 10, 11, 12
Length: 1 semester
Credit: 1/2
State #: 19052A001

State Title: Child Development & Parenting

Parenting/Child Development addresses the knowledge, skills, attitudes and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. Students will explore opportunities in human services and education-related careers.

This course will be offered in the spring.

FOREIGN LANGUAGE

Spanish I
Gr. 9 -12
Prerequisite: None



Spanish II
Gr. 10 -12
Prerequisite: Spanish I



Spanish III
Gr. 10-12
Prerequisite: Minimum 2
years of Spanish



AP Spanish
Gr. 11-12
Prerequisite: Minimum 3
years of Spanish

FOREIGN LANGUAGE

All of the following courses may be used to meet college entrance requirements in Foreign Language or Elective areas. Any course will meet the year-long Fine Arts requirement.

Spanish I

Course #SPN131

Prerequisite: None

Elective

State Title: Spanish I

Grade: 9, 10, 11, 12

Length: 2 semesters

Credit: 1

State #: 24052A000

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

Spanish II

Course #SPN231

Prerequisite: C or above in Spanish I

State Title: Spanish II

Grade: 10, 11, 12

Length: 2 semesters

State # 24053A000

Credit: 1

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.

Spanish III (may be combined with Spanish IV)

Course #SPN331

Prerequisite: C or above in Spanish II

Elective

State Title: Spanish III

Grade: 11, 12

Length: 2 semesters

Credit: 1

State #: 24054A000

Spanish III is a review and expansion of Spanish I and II. Conversational vocabulary, literacy, and grammar are further developed, as is cultural knowledge. There is a concentration on building an understanding of the many grammatical forms of the Spanish language.

AP Spanish

Course #SPN491

Prerequisite: B or above in Spanish III

Elective

State Title: AP Spanish Language

Grade: 11, 12

Length: 2 semesters

Credit: 1

State #: 24064A000

Designed by the College Board to parallel third-year college-level courses in Spanish Composition and Conversation, AP Spanish Language courses build upon prior knowledge and develop students' ability to understand others and express themselves (in Spanish) accurately, coherently, and fluently in both formal and informal situations. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, and so on.

INDIAN VALLEY VOCATIONAL CENTER AND NCHS ORIENTATION COURSES

The courses listed in bold print are IVVC Programs. Below each IVVC Program are courses a student can take at NCHS to help prepare for the IVVC Program. Students are strongly encouraged to take at least one orientation level course before applying to IVVC if one is available. Students must apply to attend the vocational center. Contact the Counseling Office for application procedures. IVVC is open to Juniors and Seniors only. The application process occurs during the sophomore year.

Collision Repair Ag. Mechanics	Construction Trades No orientation course	Graphic Design Art I Design Multimedia Computer Graphics
Automotive Technology Ag. Mechanics	Cosmetology No orientation course	
Certified Nursing Assistant (CNA) Health Anatomy & Physiology	Culinary Arts Foods I, II, & III	Health Occupations Exploring Health Careers Health
Computer Technology Maintenance & Repair Keyboarding/ Computer Applications	Teaching Methods Intro to FACS Parenting	Law Enforcement No orientation course
Computer Programming Keyboarding/ Computer Applications Design Computer Graphics Web Design Algebra I	Emergency Medical Responder Anatomy & Physiology	Sports Medicine No orientation course
	Emergency Medical Technician (EMT Basic) Anatomy & Physiology	Welding & Fabrication Ag. Mechanics
Aviation Mechanics Ag Mechanics	Fire Science No orientation course	Esthetics & First Aid Health

*Students who attend IVVC will pay Newark High School fees and whatever fees are associated with their IVVC program. IVVC fees are paid directly to Indian Valley Vocational Center. Some of these fees are quite expensive. See the Counseling Office for a list of current fees.

INDIAN VALLEY VOCATIONAL CENTER (IVVC)

*Fee list available in the Counseling Office

For a more comprehensive course description of each program, please see the IVVC Course Guide. A copy can be obtained from the NCHS Counseling Office.

Collision Repair I & II

Course #IVVC101 & 102_

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, from damage assessment to the final detailing of the vehicle. **Second-Year Students** will continue with the previous year's topics and get advanced training on structural repairs, as well as estimating repairs. All students will have the opportunity to work hands-on in a body shop environment that will show them the process of taking a repair from the estimate to the delivery of the vehicle back to its owner. The IVVC body shop strives to provide a professional shop-like atmosphere. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that foster the development of movement skills and enhanced health-related fitness.

Automotive Technology I & II

Course #IVVC103 & 104_

Elective

State Title: Automotive Technician I & II

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee*

State #: 20104A001 & 20104A002

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

Aviation Mechanics

Course #IVVC141

Elective

State Title: Aircraft Technician I

Dual Credit Course

Grade: 12

Length: 2 semesters

Credit: 4

Fee*

State #: 20113A001

Fall Semester: Aviation Fundamentals

Students will complete theory instruction online at IVVC (4 days per week) and will attend Lewis University in Romeoville for lab instruction (1 day per week). Units of study: aerodynamics, aircraft design, stability, control, Federal Aviation Administration regulations and publications, weight and balance, and ground handling of aircraft.

Spring Semester: Aircraft Structures I

Students will complete theory instruction online at IVVC (3 days per week) and will attend Lewis University in Romeoville for lab instruction (2 days per week). Units of study: riveting and sheet metal repair, including aluminum, forming and layout and oxyacetylene welding operation, corrosion and corrosion control. This program only meets in the mornings.

See the school counselor for more qualifications and information.

Certified Nurse Assistant (CNA)
Course #IVVC118
Prerequisite: C or better in Biology I; and
good attendance
Elective
State Title: Nursing Assistant

Grade: 11, 12
Length: 2 semesters
Credit: 4
Fee*
State #: 14051A001

This course follows the guidelines of the Illinois Department of Public Health to achieve a certificate as a Certified Nurse Assistant. Forty hours of hands-on clinical time are required. A fingerprint criminal background check is also required. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success. Students must be able to do heavy lifting, pushing and pulling.

Computer Programming I & II

Course # IVVC131 & 132

Elective

Strongly Recommended: A solid foundation of
basic math skills, including Geometry

Grade: 11,12
Length: 2 semes-
ters
Credit: 4
Fee*
State #: 10152A001

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

Computer Technology (Maintenance & Repair) I & II

Course #IVVC111 & 112

Elective

State Title: Computer Maintenance I & II

Grade: 11, 12
Length: 2 semesters
Credit: 4
Fee*
State #: 10252A001
10252A002

State of the art program in computer maintenance and installation. Students work with hardware and software in a "real world" environment to maintain PCs and printers at IVVC. They also do maintenance work for other schools. New computer setup, purchase and evaluation are also a part of the course. Students will explore wired and wireless networks. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. **Computer Technology II** builds on the skills taught in Computer Technology I. Students will work on advanced projects using those skills as well as serve as help desk support for the school. Internships may be available for eligible students.

Construction Trades I & II

Course #IVVC105 & 106

Elective

State Title: Construction Trades I & II

Dual Credit Course - WCC CMT101 & 105

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee*

State #: 17002A001&17002A002

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

Cosmetology I & II

Course #IVVC119 & 120

Elective

State Title: Cosmetology I & II

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee*

State 19101A001 & 19101A002

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

Culinary Arts I & II

Course #IVVC121 & 122

Elective

State Title: Culinary Occupations I & II

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee*

State 16052A001 & 16055A001

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

Teaching Methods I & II
Course #IVVC139 & 140
Elective
State Title: Educational Methodology
Foundations of Teaching

Grade: 11, 12
Length: 2 semesters
Credits: 4
Fee*
State #: 19152A001
19151A001

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

Emergency Medical Responder
Course #IVVC129
Elective
State Title: Health Occupations Skill Development
Dual Credit Course - JJC EMS101

Grade: 11, 12
Length: 2 semesters
Credits: 4
Fee*
State #: 14002A003

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

Emergency Medical Technician - EMT Basic
Course #IVVC137
Elective
State Title: Emergency Medical Technician

Grade: 12 Only
Length: 2 semesters
Credit: 4
Fee*
State #: 14055A001

This **Senior Only** course covers the emergency medical response and care for the sick and injured. Topics include medical terminology, legal and ethical aspects of medicine, CPR, patient assessment and care of medical and trauma patients. Students also learn communication and documentations skills and have the opportunity to learn and demonstrate emergency management and incident command skills. This course includes a clinical component to be completed in area hospitals, as well as the opportunity to do ambulance ride-along time with local fire departments. Upon successful completion of the EMT Basic course and 18 years of age, students are eligible to take the IL State licensure exam or the National Registry of EMT certification exam. The students are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. This course gives the students the skills and knowledge foundation for successful entry into emergency medical services. Students interested in a Fire Department/EMT career should consider taking IVVC Fire Science their junior year then EMT their senior year. Most fire departments require dual certification.

Esthetics & First Aid

Course #IVVC

Elective

State Title: Health Occ Entry-Level Skill Dev

Dual Credit Course - KCC EST100 & PE162

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee*

State #: 14002A002

Esthetics & First Aid is a stand-alone one year course at the high school level. It satisfies two of four pre-admission requirements for the Kishwaukee College Esthetics Certificate program. Units of study - Administering basic first aid, adult, child, and infant CPR, history of esthetics and career opportunities available to Licensed Estheticians, professionalism, proper communication, infection control, draping and the physical components of the esthetics environment. Tasks you will complete: Examine clients' skin, using magnifying lamps or visors when necessary, to evaluate skin condition and appearance; cleanse clients' skin with water, creams, or lotions; demonstrate how to clean and care for skin properly and recommend skin-care regimens; select and apply cosmetic products, such as creams, lotions, and tonics; sterilize equipment and clean work areas. Skills/abilities you will need to be successful: active listening, service orientation, critical thinking, social perceptiveness, near vision, speech clarity and recognition, arm-hand steadiness, finger/manual dexterity, attention to detail. Certification you may be eligible to receive upon successful completion: two classes toward the IL Dept of Financial and Professional Regulations Licensed Esthetician Certificate. Dual Credit is available at Kishwaukee Community College: KCC EST 100 - Intro to Esthetics (1 cr), KCC PE 162 - First Aid & Emergency Response (3 cr).

Fire Science I & II

Course #IVVC123 & 124

Elective

State Title: Fire-Fighting I & II

Dual Credit Course - See Mrs.Ahearn

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee*

State #: 15152A001 & 15152A002

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

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

Both classes are offered at the Sandwich Fire Station. IVVC's Fire Science Technology Class is fully certified by the Illinois Office of the State Fire Marshall (OSFM). Students of this program are eligible to take OSFM certification tests after they have received the appropriate experience or other requirements as stated by the OSFM. Successful completion of Fire Science I and II will allow students to earn a Waubesa Community College Firefighter's Certificate of Completion. First and second year students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. Students will learn how physical fitness and healthy living affect workplace performance and success.

Graphic Design & Digital Technology I & II
Course #IVVC113 & 114
Elective
State Title: Graphic Communications I & II

Grade: 11, 12
Length: 2 semesters
Credit: 4
Fee*
State #: 11154A001 & 11154A002

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

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

Health Occupations

Course #IVVC117

Elective

State Title: Health Occupation Entry-Level Skill Development

Dual Credit Course - WCC HIT110

Grade: 11, 12
Length: 2 semesters
Credit: 4
Fee*
State #: 14002A002

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

Law Enforcement I & II

Course #IVVC125 & 126

Elective

State Title: Law Enforcement I & II

Grade: 11, 12
Length: 2 semesters
Credit: 4
Fee*
State #: 15054A001 & 15054A002

Law Enforcement I - This course follows several college level courses and is designed to allow students to explore the various career choices within the criminal justice system, emphasizing work-related characteristics, job duties, employment potential, and career trends. It will cover the criminal justice system including an historical and philosophical overview of the development, with special emphasis on the system's primary components and the relationship of these components in the administration of criminal justice in the US. Additional topics include law enforcement philosophies and theories, case and procedural law, community policing, the importance of written and verbal communication, ethical considerations, officer safety and criminal investigation. The student will be introduced to the APA format of writing, preparing the student for college. Students will also be engaged with reading and writing assignments, including at least six research papers using Microsoft Word, orally present on various topics ranging from 1 to 15 minutes using Microsoft PowerPoint, and be able to engage in novel discussion groups.

Law Enforcement II - This course introduces students to the fundamentals of criminal investigation. Topics include an examination of the preliminary and follow-up investigation, crime scene search, and collection and preservation of evidence, interviewing witnesses and victims, interrogation of suspects, and rules governing the admissibility of evidence in court testimony are also covered. This course will also provide students with instruction and practice in the preparation of accurate police reports suitable for use in the courtroom. The development of a clear, concise, narrative writing style is emphasized, and weekly report writing exercises are critiqued. Students will be introduced to firearm safety, defensive tactics and physical training. Students will also train Law Enforcement I students in various scenarios. Students may be subject to random drug testing.

Law Enforcement I & II - Field trips may include police departments, courtrooms, jails, police academies and other various criminal justice related locations. Students in this program are expected to participate in routine activities on a daily basis that foster the development of movement skills and enhance health-related fitness.

Sports Medicine I & II

Course #IVVC127 & 128

Elective

State Title: Sports Management

Dual Credit Course - WCC KPE150 & KPE237

Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee*

State #: 14062A001

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

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

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

Welding & Fabrication

Course #IVVC109 & 110

Elective

State Title: Welding Technology I & II

Dual Credit Course - WCC WLD101 & 125

Grades: Grade: 11, 12

Length: 2 semesters

Credit: 4

Fee*

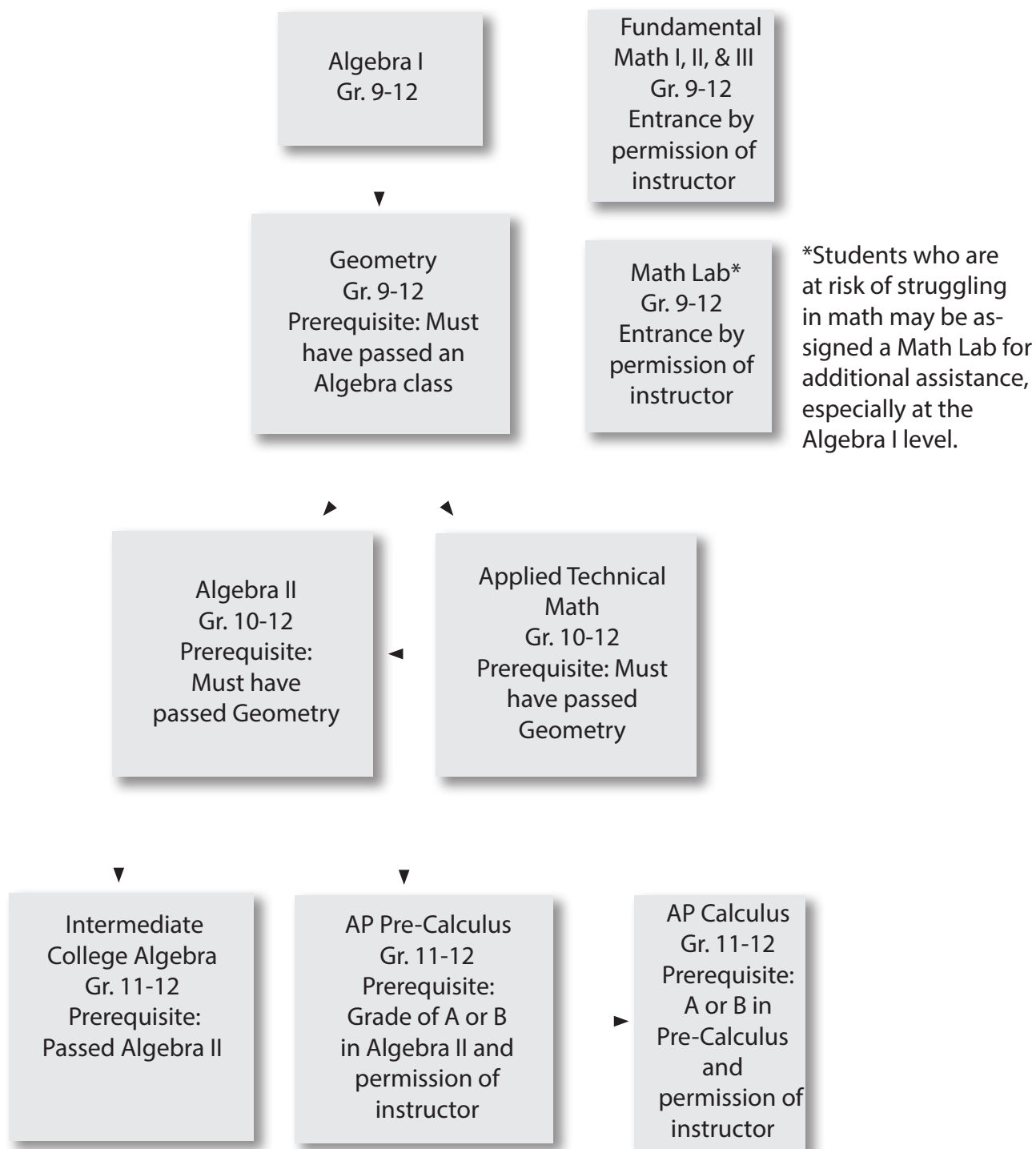
State 13207A001 &

#: 13207A002

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

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



MATHEMATICS

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

Fundamental Math I

Course #MTH164

Prerequisite: Instructor's permission only

Elective

State Title: Mathematics - Other

Grade: 9, 10, 11, 12

Length: 2 semesters

Credit: 1

State #: 02999A000

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.

Fundamental Math II

Course #MTH165

Prerequisite: Instructor's permission only and
Fundamental Math I

Elective

State Title: Mathematics - Other

Grade: 10, 11, 12

Length: 2 semesters

Credit: 1

State #: 02999A000

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.

Algebra I A-B

Course #MTH162

Prerequisite: Recommended placement based on
previous math grades, standardized
tests, and teacher input

Elective

State Title: Algebra I

Grade: 9, 10, 11, 12

Length: 2 semesters

Credit: 2 (1 math/ 1 elective)

State #: 02052A000

This course will meet for 90 minutes every day. This course has been specifically designed for students who need more time to master algebraic concepts. This course constitutes the equivalence of Algebra 1. Basic concepts and devices are introduced, which includes number theory, the number line, set notation, variables, explicit definitions, negation of numbers, rules for addition, subtraction, multiplication, and division, properties of equality, properties of inequality, solving equations, factoring, prime factorization, complex fractions, radicals, and application problems.

Algebra I

Course #MTH163

Prerequisite: Recommended placement based on
previous math grades, standardized
tests, and teacher input

Elective

State Title: Algebra I

Grade: 9, 10, 11, 12

Length: 2 semesters

Credit: 1

State #: 02052A000

This course will meet 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.

Geometry
Course #MTH260
Prerequisite: Algebra I or Algebra I A-B
Elective
State Title: Geometry

Grade: 10, 11, 12
Length: 2 semesters
Credit: 1
State #: 02072A000

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.

Algebra II
Course #MTH262
Prerequisite: Geometry
Elective
State Title: Algebra II

Grade: 10, 11, 12
Length: 2 semesters
Credit: 1
State #: 02056A000

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.)

AP Pre-Calculus
Course #MTH362
Prerequisite: Algebra II with
at least a C for both semesters
and permission of instructor

Grade: 11, 12
Length: 2 semesters
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.

AP Calculus
Course #MTH462
Prerequisite: Pre-Calculus with at least a B
for both semesters and permission
of instructor

Grade: 12
Length: 2 semesters
Credit: 1
State #: 02124A000

Elective
State Title: AP Calculus

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including anti-derivatives and the definite integral).

Applied Technical Math

Course #MTH265

Prerequisite: Geometry

Elective

State Title: Technical Math

Grade: 11, 12

Length: 2 semesters

Credit: 1

State #: 02153A000

Technical Math courses extend students' proficiency in mathematics, and often apply these skills to technical and/or industrial situations and problems. Technical Math topics may include but are not limited to rational numbers, systems of measurements, tolerances, numerical languages, geometry, algebra, statistics, and using tables, graphs, charts, and other data displays. Technology is integrated as appropriate.

Intermediate College Algebra

Course #MTH490

Prerequisite: Algebra II

Elective

State Title: High School Transitional Math 4-STEM

Grade: 12

Length: 2 semesters

Credit: 1

State #: 02055A001

Math course framework built around essential algebraic competencies designed to prepare students for college and career pathways in areas such as: Science, Technology, Engineering, and Math or STEM which require advanced algebraic skills or calculus. Course design will enable students to transition directly into credit bearing college-level algebra courses with a grade of "C" or better. Students will engage in deepening conceptual understanding using algebra and mathematical applications of algebra and functions and how functions naturally arise using authentic modeling situations. The function families (linear, polynomial, rational, radical, exponential) will be emphasized. Additionally, the course shall emphasize the eight mathematical practices, particularly modeling within the setting of authentic and contextualized applications, and upon completion, the student should be able to: demonstrate and justify both orally and in writing conceptual understanding of functions combined with advanced algebraic knowledge to solve complex, contextualized, multi-step problems in authentic settings.

This course serves as a stepping stone to those students who are college-bound and prefer not to take Pre-Calculus. Students attending JJC or other community colleges are currently required to have a 530 SAT in Math or pass a placement exam to take a college level math course. Those who do not meet these requirements are required to take one or more zero-level courses at the students cost (no financial aid). Passing this course with a "C" or better will allow students to bypass the placement requirements. Students will be guaranteed placement into any of the following courses: Math 119 Technical Math, Math 123 Math for Elementary Teachers I, Math 127 Math for General Education, Math 128 Elementary Statistics, Math 131 College Algebra, Math 138 Pre-Calculus I. These courses are a part of the AAS required curriculum.

Math Lab

Course #MTH16B

Prerequisite: Teacher Recommendation

Elective

State Title: Mathematics-Supplemental

Grade: 9,10,11,12

Length: 1 or 2 Semesters

Credit: 1/2 per semester

State #: 02996A000

This course is designed to be taken in addition to or in coordination with other mathematics courses, provide instruction to assist students in acquiring mathematic skills so that students attain necessary grade-level skills or reach a desired competency level. Students who would have previously qualified for Algebra I A/B will be placed in a Math Lab course. Students in other math courses may be recommended by teachers based on prior math performance.

MUSIC

Music Technology
Gr. 9-12
Offered odd-
numbered school years
during fall semester

Basic Guitar
Gr. 9-12
Offered odd-
numbered school
years during spring
semester

Band
Gr. 9-12
Prerequisite: A or B in
previous band
experience or
permission of instructor



AP Music Theory
Gr. 10-12
Offered even-numbered school
years
Prerequisite: A or B in previous
band experience or
permission of instructor

MUSIC

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

Band

Course #MUS170

Prerequisite: A or B in previous band experience
or permission of instructor
Elective

State Title: Concert Band

Grade: 9, 10, 11, 12

2 semesters

Credit: 1

State 05102A000

#:

Fee: Percussion fee \$20/yr

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 on a scheduled 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, fundamentals and styles.

The band curriculum includes several required concert performances (Winter Concert, Coffee House, Send-Off Concert, Spring Concert, and Pep Band). In addition, interested and qualified students have the opportunity to participate in the Little Ten Band Festival, and the State Solo and Ensemble Contest. Other opportunities will include trips and performance tours.

AP Music Theory

Course #MUS470

Prerequisite: A or B in previous band experience or permission of instructor
Elective

Grade: 10, 11, 12

Length: 2 Semesters

Credit: 1

State #: 05113A000

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 an understanding of how and what they are actually performing and composing. Students will study the following topics: major scales, minor scales, intervals, triads, seventh chords, key signatures, transposition, composition, and diatonic chord structure. Students will also work on aural skills through guided ear training activities. Because Music Theory is not a music performance or appreciation class, students MUST have a previous background in music and/or have the ability to read written music notation.

Basic Guitar
Course #MUS176
Prerequisite: None
Elective
State Title: Guitar

Grade: 9, 10, 11, 12
Length: 1 Semester
Credit: 1/2
State #: 05108A000

This course is for the beginner guitarist, and no previous guitar playing experience is necessary. In this class, students learn all aspects of proper technique for playing guitar. Students will gain an understanding of practice methods and how to tune the guitar. Students will learn to play many different chords, which are used to play accompaniments to a variety of songs in different styles. Students will also learn many different rhythmic patterns, strumming patterns, and finger style techniques. Students will choose chord charts from today's Pop Music and learn how to manipulate and adjust charts to fit their own playing ability and style. Students will learn to play single note melodies with a plectrum as well as with the right hand fingers. Students will compose and improvise melodies in major and minor keys. This class is designed for students to learn the fundamentals of musicianship. If you have always wanted to learn how to play the guitar, then this class is the perfect place to start! **This course meets in odd-numbered school years during the spring semester.**

Music Technology
Course #MUS179_
Prerequisite: None
Elective
State Title: Composition/Songwriting

Grade: 9, 10, 11, 12
Length: 1 Semester
Credit: 1/2
State #: 05119A000

This student-centered course teaches students how to create pop music using a MIDI piano keyboard as the primary instrument. Students will compose projects that are separated into six units covering the basics of how to write and record drum beats, bass lines, chordal parts, and melodies. To scaffold success, each compositional element is broken down into simple rules that students follow resulting in a final product that sounds like it could be on the radio. Students will utilize both Chromebooks and iPads to work with DAW (Digital Audio Workstations) programs such as Soundtrap and Garage Band. No piano or music background required! **This course meets in odd-numbered school years during the fall semester.**

PHYSICAL DEVELOPMENT

Health
Gr. 10
Graduation Requirement

Physical Education
Gr. 9-12
Graduation Requirement

Zero Hour Applied
Physical Education
Gr. 9-12
Graduation Requirement
May be taken in place of PE.
Students must provide their
own transportation. Course
will meet from 7:00 - 7:45
every morning.

PHYSICAL DEVELOPMENT

Health

Course #HTH281

Prerequisite: None

Required State Title: Health Education

Grade: 10

Length: 1 semester

Credit: 1/2

State #: 08051A000

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: Fee* 1 credit per year

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.

Students in grades 11 & 12 may opt out of PE if they are behind in credits, or must fit a course in the schedule that is required by a college for admission. Juniors and seniors who are varsity athletes may also opt out of PE for the semester they are participating in a varsity sport.

***No fee is required other than 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.**

Applied Physical Education

Course #PED181

Prerequisite: None

Required

State Title: Physical Education

Grade: 9, 10, 11, 12

Length: 2 semesters

Credit: 1

State #: 08001A000

A self-paced, individualized fitness course with an emphasis on the improvement of health-related components of one's physical fitness level. Principles of conditioning will be applied to develop a personalized training program to enhance cardiovascular conditioning, strength and muscular endurance, flexibility, and body composition.

Upon course completion, a student will be able to: 1) analyze training records to assess progress and program effectiveness; 2) design and implement a personalized exercise program to improve or maintain fitness status; 3) develop and demonstrate correct exercise techniques and utilize sound methods to improve or maintain fitness status; 4) develop appreciable gains in the health-fitness components of cardiorespiratory (aerobic) endurance, flexibility, muscle strength and endurance, as well as improvements of body composition; 5) identify and interpret basic scientific training principles that influence the acquisition of the major components of health-related fitness; 6) monitor and record workload information during fitness session relative to heart rate, RPE, distance, work load, and duration of aerobic exercise; repetitions, weight loads and number of sets for muscular strength and endurance exercises.

SCIENCE

GRADUATION REQUIREMENTS: TWO YEARS SCIENCE
One credit must be either Biology I or Physical Science

Physical Science
Gr. 9-10



Biology I
Gr. 9-12
Prerequisite: Freshmen must have earned an A in 8th grade Science or successfully passed Physical Science.



Forensic Science
Gr. 11-12
Prerequisite:
A or B in Biology
I; Chemistry I
preferred



Anatomy &
Physiology I
Gr. 10-12
Prerequisite: A
or B in Biology I
or permission of
instructor



Anatomy &
Physiology II
Gr. 10-12
Prerequisite: A
or B in Biology
I or permission
of instructor



Biology II:
S1=Botany
S2=Environmental
Science
Gr. 10-12
Prerequisite: Biology
I or permission of
instructor



Veterinary
Science
Gr. 11-12
Offered even-
numbered years
Prerequisite:
Biology I and Ag
Science

Chemistry
Gr. 10-12
Prerequisite:
Algebra and
Geometry

Earth Science
Gr. 9-12

Agriculture
Science
Gr. 10-12
Prerequisite:
Intro. to Ag.

Horticulture
Production &
Management
Gr. 10-12
Offered
even-numbered
school years
Prerequisite:
Intro. to Ag.



Advanced
Chemistry
Gr. 11-12
Prerequisite:
A or B in
Chemistry
Offered even-
numbered
school years

AP Physics
Gr. 11-12
Prerequisite:
Geometry required
and must be
enrolled in Algebra
II or have passed
Algebra II
Offered odd-
numbered school
years

Four-Year
Universities
prefer students
take a course
sequence of
Biology,
Chemistry, and
Physics.



Greenhouse Production, Landscape and
Turf Management
Gr. 11-12
Offered odd-numbered school years
Prerequisite: Horticulture Production &
Management

SCIENCE

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

Physical Science

Course #SCI163

Prerequisite: None

Elective

State Title: Physical Science

Grade: 9, 10

Length: 2 semesters

Credit: 1

State #: 03159A000

Physical Science is a one-year lab-based science course. In this course, we will employ the scientific method and experimentation, the metric system of measurement, the use of laboratory equipment and lab techniques, and data interpretation and analysis, while exploring concepts in chemistry and physics.

Biology I

Course #SCI162

Prerequisite: Grade of A in 8th Grade Science or
successful completion of Physical
Science

Elective

State Title: Biology

Grade: 9, 10, 11, 12

Length: 2 semesters

Credit: 1

State #: 03051A000

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.

Chemistry

Course #SCI263

Prerequisite: Algebra

Elective

Grade: 10, 11, 12

Length: 2 semesters

Credit: 1

State #: 03101A000

Chemistry is a one-year lab-based science course. In this course, we will discuss basic science, matter, the structure of atoms, electron configurations, the Periodic Table, chemical formulas, chemical bonds, stoichiometry, solutions, and acid/base reactions. We will perform regular lab activities and experiments to explore these principles.

Advanced Chemistry

Course #SCI362

Prerequisite: C or above in Chemistry

Elective

Grade: 11, 12

Length: 2 semesters

Credit: 1

State #: 03102A000

Advanced Chemistry is a one-year course covering topics in Chemistry beyond what is covered in the first-year course. Topics addressed will include a review of basic chemistry, stoichiometry, the modern atomic model, periodicity and patterns of bonding, temperature and thermochemistry, chemical equilibrium, acid-base reactions, electron configurations and VSEPR theory, and organic chemistry. Students will perform regular lab activities and experiments to explore these principles.

AP Physics
Course #SCI372
Prerequisite: Algebra and
Geometry required
Elective
State Title: AP Physics 1

Grade: 11, 12 (10 w permission)
Length: 2 semesters
Credit: 1
State #: 03163000

AP Physics is a one-year algebra-based science elective course designed to instruct students in the foundational principles of physics. Areas to be covered include Newtonian mechanics; work, energy, and power; mechanical waves and sound, and introductory simple circuits. Students will investigate phenomena through hands-on laboratory work and the development of conceptual models. To be successful in AP Physics, a student should have completed courses in Algebra and Geometry.

Anatomy and Physiology I
Course #SCI266
Prerequisite: A or B in Biology I
or permission of Instructor

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

Elective
State Title: Anatomy & Physiology

Anatomy & Physiology I is a comprehensive introduction to the structure and function of the human body. Includes such topics as cells and tissues, the skeletal system, muscular system, and nervous system. Laboratory portion of the course includes physiological experiments and anatomical studies using microscopes, models, and preserved specimens. Practical for all students going into the medical and allied health fields desiring knowledge of the human body.

Anatomy and Physiology II
Course #SCI267
Prerequisite: A or B in Biology I
or permission of Instructor

Grade: 10, 11, 12
Length: 1 semester
Credit: 1/2
State #: 03053A000

Elective
State Title: Anatomy & Physiology

Anatomy & Physiology II includes the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Laboratory portion of the course includes physiological experiments and anatomical studies using microscopes, models, and preserved specimens. Practical for all students going into the medical and allied health fields desiring knowledge of the human body.

Biology II: Botany & Environmental Science
Course #SCI264 & SCI265
Prerequisite: Biology I or permission of Instructor
Elective

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

State Title: Botany/ Environmental Science

03003A000

The first semester of this course is Botany. The second semester of this course is Environmental Science. A student may take one semester without the other.

Forensic Science

Course #SCI371_

Prerequisite: B or above in Biology;
Chemistry preferred but not required
Elective
State Title: Unified Science

Grade: 11, 12
Length: 2 semesters
Credit: 1
State #: 03202A000

This course is intended for the student who is interested in crime scene investigation, and will expand on students' knowledge in Chemistry, Biology, Physical Science, and Earth Science. Students will be required to think critically, using their deductive reasoning and problem-solving skills to investigate crime scene scenarios. This is a lab-based class with frequent lab exercises. Topics covered include: physical evidence, glass & soil, fingerprints, hair & fiber, firearms, ammunition & ballistic analysis, drugs & paraphernalia, chemical analysis, bodies & autopsies, and DNA & typing. **Note: Photos from crime scenes are an essential part of the curriculum and may be graphic.**

Agricultural Science

Course #AGO200

Prerequisite: Intro. to Ag
Elective
State Title: Basic Agricultural Science

Grade: 10, 11, 12
Length: 2 semesters
Credit: 1
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.**

Veterinary Science

Course #AGO308

Prerequisite: Biology & Ag Science
Elective
State Title: Veterinary Technology

Grade: 11, 12
Length: 2 semesters
Credit: 1
State #: 18105A001

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, advanced animal nutrition and reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

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.**

Horticulture Production and Management

Course #AGO301

Prerequisite: Intro. to Ag

Elective

State Title: Horticultural Production & Management

Grade: 10, 11, 12

Length: 2 semesters

Credit: 1

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 & Turf Management

Course #AGO305

Prerequisite: Hort. Production & Management

Elective

State Title: Greenhouse Production & Floral Design

Grade: 11, 12

Length: 2 semesters

Credit: 1

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.**

Earth Science

Course #SCI368 & SCI369

Prerequisite: None

Elective

State Title: Earth Science - Other

Grade: 9, 10, 11, 12

Length: 1 semester each

Credit: 1/2 credit

State #: 03049A000

Students may take Earth Science semester 2 before taking Semester 1. The courses are not dependent. Earth Science can be taken as a semester- or year-long course. In the first semester, this course offers insight into the geology and oceanography of the Earth, including study of forces that affect the earth's surface, such as earthquakes, volcanoes, the rock cycle, historical geology, and the features of ocean water and the ocean basin. The second semester will focus on Earth's atmosphere and astronomy, including air pressure, weather forecasting, climate, the solar system, stars, and galaxies.

SENIOR SEMINAR

GRADUATION REQUIREMENT: All students MUST successfully complete a senior presentation and pass Senior Seminar to graduate from Newark Community High School.

Sr Seminar
Gr. 11-12 (Required)
Juniors may take with
permission if graduating early.

SENIOR SEMINAR

Senior Seminar

Course #ENG491

Prerequisite: None

Required

State Title: Miscellaneous - Other

Grade: 12

Length: 1 quarter

Credit: 1/2

State #: 22999A000

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. Developing an essential question, applying technology to the senior project, and organizing tasks necessary to successfully complete the 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. Juniors may only take this course if they have filed a plan to graduate early and that plan has been approved.

Students in Senior Seminar will be divided into two sections. While one section is working on their senior project/presentation, the other section will be working on College and Career Readiness. Students in CCR will work on resume's, job applications, interview skills, college applications, scholarship applications, and ASVAB prep for students pursuing a career in the military. Students will attend field trips to area public and private universities, the local community college, and the apprenticeship expo.

SOCIAL STUDIES

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

World History I
Gr. 9-12
Offered
Fall Semester

World History II
Gr. 9-12
Offered Spring
Semester
Students can take
semester two
before semester one.

Geography
Gr. 9-12
Offered both semesters according
to enrollment, covering different
geographical areas. Students can
take semester two before semester
one.

Modern World Issues
Gr. 9-12
Offered Spring
Semester according to
enrollment.

US History
Through Film
Gr. 10, 11, 12
Offered both semesters
Student can take either
or both semesters;
offered in even years

Topics in
US History from 1960
to Present
Gr. 11, 12
Offered fall
semester in even years.

Civics
Gr. 11, 12
Offered both
semesters
Graduation
Requirement

AP U.S. History
Gr. 11-12

Graduation
Requirement

U.S. History
Gr. 11-12

Graduation
Requirement

Sociology
Gr. 11-12
Prerequisite:
A or B in a
previous Social Studies
course
Offered fall semester
in odd years.

Psychology
Gr. 11-12
Offered both
semesters
according to
enrollment.

SOCIAL STUDIES

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

World History I

Course #HIS190

Prerequisite: None

Elective

State Title: World History - Overview

Grade: 9, 10, 11, 12

Length: 1 semester

Credit: 1/2

State #: 04051A000

World history relates the history and geography of the ancient world with special emphasis on what these cultures have given the modern world. Topics include the 1st civilizations, Ancient Egypt, Ancient China, and Ancient Greece and Rome. 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.**

World History II

Course #HIS191

Prerequisite: None

Elective

State Title: World History - Overview

Grade: 9, 10, 11, 12

Length: 1 semester

Credit: 1/2

State #: 04051A000

World History II may be taken independently of World History I. This course explores the civilizations of the world from the Middle Ages (500 AD) to the industrial age (1700's). Topics include Middle Ages, Mongols, Aztec, Mayans, Incas, Renaissance Europe, Feudal Japan and imperialism. Geography is stressed where necessary and continues to look at the early modern cultures to see what they contribute to the present day world. 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.**

Geography

Course #HIS291 & 292

Prerequisite: None

Elective

State Title: World Geography

Grade: 9, 10, 11, 12

Length: 1 or 2 semesters

Credit: 1/2 per semester

State #: 04001A000

This course will involve the study of the physical, human, and cultural geography of the world. With a heavy focus on world cultures, this course will examine diverse societies across the globe, exploring their history, geography, unique traditions, and belief systems. Students learn to think critically and analyze how different factors such as globalization and colonialism have shaped and continue to shape societies. Current events will be incorporated as it relates to the study of geography and of man's relationship to the environment. Geography offers a heavy focus on hands-on projects and experiences to embrace cultures that are different from our own. This course can be a one semester course; students do not have to enroll in first semester to take second semester. **The course will be offered according to enrollment.**

First Semester Topics:

Basic Geography Skills – Maps, etc
The 5 Themes of Geography.
North America, Latin America
Europe, Christmas Around the World

Second Semester Topics:

Basic Geography Skills – Maps, etc
The 5 Themes of Geography
Africa, Asia, the Middle East, Oceania,
Children's Books, Asian Food Tour

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 provide an introduction level study of key psychological ideas and vocabulary. It provides a comprehensive overview of the scientific study of human behavior and mental processes. Topics included are the history of how psychology became common practice, the biological basis of behavior, sensation and perception, development from birth to death, learning, memory, human emotion, social psychology, as well as abnormal psychology and treatment. The use of films such as "The Breakfast Club," "A Beautiful Mind," and "Good Will Hunting" are used to critically analyze key topics. Students are also required to conduct their own psychological experiment and prepare a formal lab report. The goal is to introduce major theories and research, teach students how to apply common psychological principles, and help them understand how the mind works.

US History

Course #HIS392

Prerequisite: None

Required

State Title: US History - Other

Grade: 11, 12

Length: 2 semesters

Credit: 1

State #: 04149A000

This class will cover the most important topics in our US History spanning from the history and culture of our indigenous peoples to the Cold War. Students are encouraged to take the continuation class (Topics in U.S. History from 1960 to present) during their junior or senior years. United States History places a heavy emphasis on the background, principles, philosophy, and practices of our federal, state, and local governments. Students will explore the various social, political, and economic happenings of our country and critically analyze both our previous shortcomings and triumphs as a nation. Students are encouraged to develop historical thinking and analytical skills to comprehend modern society through its past history.

Sociology

Course #HIS393

Prerequisite: A or B in previous Social Studies

Elective course or permission of instructor

State Title: Sociology

Grade: 11, 12

Length: 1 semester

Credit: 1/2

State #: 04258A000

Sociology is the study of human relationships and how society functions. 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 Fall semester in odd years and offered according to enrollment.

Modern World Issues

Course #HIS195

Prerequisite: None

Elective

State Title: Contemporary World Issues

Grade: 9, 10, 11, 12

Length: 1 semester

Credit: 1/2

State #: 04064A000

Modern Issues will cover timely events in the news (from politics to sports), the study of political, economic, and social issues facing the world, including the United States, with an emphasis on state and local issues. The course focuses on current issues and examines selected issues that span throughout the 20th century to the present. 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.

The class will be taught Spring semester according to enrollment.

AP United States History

Course #HIS392

Prerequisite: None

Required

State Title: US History - Other

Grade: 11, 12

Length: 2 semesters

Credit: 1

State #: 04149A000

Purpose

The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in US History. The program prepares students for intermediate and advanced college courses by making demands equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past. This AP US History course develops the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Extensive reading and writing are used throughout the course. Ten-plus hours per week of work outside of class is typically necessary to be successful in this course. (College Entrance Examination Board. Course Description: United States History. New York, New York. 2010.)

Civics

Course #HIS490

Prerequisite: None

Required

State Title: Civics

Grade: 11, 12

Length: 1 semester

Credit: 1/2

State #: 04161A000

This course examines the general structure and functions of American systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve into the same degree of detail on constitutional principles or the role of political parties and interest groups as do comprehensive courses in U.S. Government. As required by Public Law 195, a study of the Illinois and National Constitution will be conducted and tested within the course.

Topics in U.S. History from 1960- Present

Course #HIS198

Prerequisite: United States History

Required

State Title: Particular Topics in US History

Grade: 11, 12

Length: 1 semester

Credit: 1/2

State #: 04109A000

This course is aimed to be a continuation of United States History typically taken during a student's junior year. With this course, students receive a heavy emphasis on the key social and political movements that shaped our country from the Cold War to present day. Specific unit topics include: the Cold War, the Korean War, the Civil Rights Movement, Vietnam, the Counterculture, the Feminist Movement, Reaganomics of the 1980's, and war in the Middle East.

This course will be offered during the fall semester.

US History Through Film

Course #HIS293, 294

Prerequisite: None

Elective

State Title: US History - Other

Grade: 10, 11, 12

Length: 1 or 2 semesters

Credit: 1/2 per semester

State #: 04149A000

This course will be offered every other year in even numbered years.

Since Thomas A. Edison patented America's first motion picture camera in 1891, telling America's history through film has become a large part of our culture. For many people, watching a Hollywood film on America is their only way of getting to know her history (no matter how accurate the film). *US History Through Film* is an academic elective course designed to teach history through the movie lens. In this course we will analyze significant events, movements, and people in US history as interpreted in movies. Students will view films and participate in related research and study that will allow them to analyze and evaluate the historical accuracy, and in some cases the inaccuracy, portrayed in film. Students will also be asked to rethink the relationships between "reality" and "representation" and to reconceptualize the boundaries between history and film.

Curriculum for this course will, obviously, involve the viewing and analysis of a number of films, which are meant to represent significant events in American history. Participating in class will afford students a unique opportunity to use critical thinking skills to enrich their study of history. The films we will be watching for this class are Hollywood films rather than documentaries so they are re-enactments of historical events, not a documentary record of events. Examples of the types of films that may be covered include: *Last of the Mohicans*, *The Patriot*, *12 Years a Slave*, *Far and Away*, *Lincoln*, *Hacksaw Ridge*, *A League of Their Own*, *Apollo 13*, *Mississippi Burning*, *13 Days*, *Argo*, *Flight 93*, etc.

Requirements:

Students will generally receive 1 to 3 hours of homework and independent practice per week for this course.

Attendance:

All films will be viewed during class time. Therefore, attendance is extremely important. Students learn from the discussions and input from their classmates, if they are absent, they miss the opportunity. If a student is absent on a day when we are viewing a film, he/she must make his/her best effort to make up the section missed, along with discussion points in class.

Parental Consent:

Some of the films that are shown in *US History Through Film* are rated R. Any student that is under 18 years old must obtain a signed parental consent form (to be passed out in class) and return to the teacher in order to watch R rated films in class. If you are unable to watch an R rated film, an alternate assignment may be given. A list of films is available on request.

Resource

Resource I & II
Gr. 9-12 Permis-
sion of instruc-
tor only

Rtl Resource
Gr. 9-12
Permission
of instructor

Resource I & II

Course #SED136, 137

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.

Rtl Resource

Course #SED 138

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 provides additional help for those students who qualify under Rtl Guidelines. Focus for the class is on study skills and test-taking skills. Enrollment is by instructor's permission only. Supplemental work in the areas of reading, writing, and math will be given to improve student performance in these areas.

FOUR-YEAR PLAN

The following pages are four-year plan worksheets for student use in planning their four years of high school. **The following minimum graduation requirements should be considered when filling out a four-year plan:**

English - four years; must include Lit & Comp I, Lit & Comp II

Math - three years; must include Algebra I and a course with Geometry content

Science - two years; must include either Physical Science or Biology I

Social Studies - two years; must include US History or AP US History, Civics, and one elective

Fine Arts - one year from the performing arts, visual arts, or foreign language

Health - one semester (sophomore year)

Driver Education - optional (must have permission of superintendent to take outside of NCHS)

Keyboarding/Computer Apps & Media Literacy - one semester each (freshman year)

Consumer Economics - one semester (senior year)

Vocational Education - one year from Ag, Business, or Family & Consumer Sciences

Senior Seminar - one semester (senior year)

For students considering attendance at a four-year university, the following guidelines should be considered in order to meet minimum entrance requirements:

English - four years; should include Lit & Comp I, Lit & Comp II, American Lit III, British Lit IV, or AP Language and Comp either the junior or senior year

Math - three or four years; should include Algebra I, Geometry, Algebra II, College Algebra/Stats, Pre-Calc, AP Calculus

Science - three or four years; colleges prefer a Biology, Chemistry, Physics sequence but will accept other sciences based on the student's major

Social Studies - three years; must include either US History or AP US History, and Civics. All History courses meet elective requirements.

Fine Arts - foreign language is strongly recommended; check individual college requirements. Visual arts or performing arts may meet this requirement.

Health - one semester (sophomore year)

Driver Education - optional (must have permission of superintendent to take outside of NCHS)

Keyboarding/Computer Apps & Media Literacy - one semester each (freshman year)

Consumer Economics - one semester (senior year)

Senior Seminar - one semester (senior year)

Vocational Education - one year from Ag, Business, or Family & Consumer Sciences

