



Course
Registration
Booklet
2017-2018

SCHOOL MISSION STATEMENT

The West Hancock Community Schools believe students are unique individuals and, in partnership with parents/guardians and community, will provide a positive, supportive environment, offering a variety of challenging educational opportunities that will serve to produce responsible and productive citizens in an ever-changing world and to encourage life-long learning.

PHILOSOPHY

It shall be the aim of the West Hancock High School to provide a broad and balanced educational and co-curricular program which will: (1) equip children to enter occupations suited to their abilities and to offer reasonable opportunities for academic growth, personal growth, and social usefulness; (2) prepare students to assume the full responsibilities of American citizenship and to develop and understanding of the interdependence of their global environment; (3) give the students and staff a fair chance to exercise their rights to the pursuit of happiness by providing for their individual needs; (4) stimulate intellectual curiosity, provide accurate assessment of and engender satisfaction in intellectual achievement and cultivate the ability to think rationally; and (5) help students develop an appreciation of the ethical values which should undergird all life in a democratic society. Our school will strive to create a safe, pleasing and comfortable atmosphere for learning, which is devoid of sex, race and ethnic prejudices, discriminations and separatism.

Our belief is that learning happens best when teachers continually develop, implement and assess curriculum with measurable goals and outcomes. School experiences must include activities, which link materials taught to future responsibilities as citizens, parents and wage earner. The board shall assure that students are provided with articulated, developmental, learning situations including a sequential guidance program. A positive learning environment is characterized by the cooperation of students, staff, parents, and community. The improvement of our school will be an ongoing activity.

DEFINITIONS

Required Courses ---Courses that must be taken and completed. Credit must be earned to fulfill the district graduation requirements.

Elective Course ----- Courses that may be taken for graduation credit but are not required for the graduation.

Prerequisite ----- Courses that must be taken and passed prior to the student being allowed to enroll in the next course of the department, program or sequence of courses.

Requirements: 46 credits are required for graduation from West Hancock High School. The following courses must be taken and passed.

1. **English** - 8 credits - English 9 (2 credits), English 10 (2 credits), Two writing courses, One Oral Language (Basic Communications), One Literature course
.....page 13-17
2. **Math** - 6 credits- Pre-Algebra (2 credits), Algebra I (2 credits), Geometry (2 credits), Algebra II (2 credits), Advanced Math (2 credits), Trigonometry (1 credit), Calculus (1 credit)
.....page 23-25
3. **Science** - 6 credits – Physical Science (2 credits), Biology (2 credits), Electives (2 credits)
.....page 29-31
4. **Social Studies** - 6 credits – Social Studies (2 credits), American History (2 credits), American Government (1 credit), Economics (1 credit)
.....page 31-33
5. **Physical education** - Four years - .50 credit per semester
.....page 27-28
6. **Health** - one credit
.....page 28
7. **Technology** - 2 credits – Computer Applications or Graphic Design
.....page 8-11
8. **Financial Literacy** - 1 credit – 11th grade
.....page 12

Schedule Conflicts: the guidance counselor and/or principal will work out scheduling conflicts with the student following registration. **Not** all conflicts will be resolved to the complete satisfaction of the student.

Course selections, as they relate to educational and career goals, are most important. Students and parents (along with the assistance of school personnel) need to become involved in career decision planning. Many post-high school educational and training institutions have specific entrance requirements which students need to consider when making high school class selection decisions.

Because the above minimum graduation requirements do not necessarily qualify students for admission to college, trade schools or the world of work, students need to plan their program of study not only for today, but also for

tomorrow. School personnel are available to assist in planning a high school program that will help the students towards the accomplishment of their long-term goals. If you as a student have no long-term goals but are serious about obtaining the best possible education to help you meet the unknown, we have the ability to aid you in planning a beneficial program of study. If you as a student have no long-term goals and are not serious about your education, planning a program of study is almost impossible. The individual responsibility for a useful educational program must still rest with you and your parents.

Agriculture Education

9	10	11	12	Course Title	Length	Credits	Prerequisites
X	X	X	X	Animal Science	Year	2	
X	X	X	X	Exploring Natural Resources	Year	2	
		X	X	Welding	Semester	1	
		X	X	Horticulture	Semester	1	
			X	Farm Business Management	Semester	1	Animal Science or Exploring Natural Resources
		X	X	Food Science and Safety	Semester	1	
		X	X	Animal Science I NIACC	Semester	1	
		X	X	Principles of Agronomy	Semester	1	

Agricultural education is open to any boy or girl enrolled as a student in the West Hancock High School. Each student enrolled will be strongly encouraged to become a member of the FFA and to carry out a supervised agricultural experience program (SAE). The FFA is an intra-curricular organization for students enrolled in agricultural education. FFA membership is highly recommended, but not a requirement.

Animal Science

Year course - 1 credit/Semester

Prerequisite: None

Course number: 2

SCED Code: 18101

Grades 9th-12th

The course of study will be centered on the management of the major species of livestock, animal nutrition, reproduction, health and marketing. Farm safety issues and a look at opportunities available in the FFA are topics that will also be studied in this course.

Exploring Natural Resources

Year course - 1 credit/Semester

Prerequisite: None

Course number: 22

SCED Code: 18001

Grades 9th-12th

This course will explore the areas of fish and wildlife management, lawn and turf management, water quality, soil evaluation, crop production and conservation tillage methods. A portion of this course will be spent in laboratory experiences outside of the classroom and will use guest speakers with career experiences in many of the areas covered in class.

Welding

Semester course - 1 credit

Prerequisite: None

Course number: 55

SCED Code: 18404

Grades 11th-12th

The purpose of this course is to develop in the student the knowledge and skills necessary to complete basic oxy-acetylene and electric welding operations. During the course, the students learn: the proper use of the equipment, various welding techniques and sound safety practices. Students will be graded on their performance of arc and wire welding and oxy-acetylene, cutting and brazing projects. Students will also be allowed to manufacture projects for their own use.

Horticulture

Semester course - 1 credit

Prerequisite: None

Course number: 37

SCED Code: 18052

Grades: 10th-12th

This course will explore the horticulture industry and the many career opportunities that are available. Units that will be covered are: basic plant anatomy and growth, plant propagation and the production and marketing of ornamental and fruit bearing plants. Integrated pest management practices and the management of greenhouse plants are topics that will also be discussed. Students will be expected to take part in hands on activities in the greenhouse. Note: The number of students in the section may be limited due to the size of lab facilities.

Farm Business Management

Semester course - 1 credit

Prerequisite: Animal Science or Exploring Natural Resources

Course number: 69

SCED Code: 18201

Grades: 12th

A study of the business aspects of the farm will be studied, including areas such as: record keeping, net worth statements, cash flow statements, enterprise budgets, tax management and agricultural law.

Food Science and Safety

Semester course - 1 credit

Prerequisite: None

Course number: 246

SCED Code: 18999

Grades: 11th - 12th

This course will explore the relationship between the food that is produced and the food that we purchase. The course content will include areas such as production, processing, preserving, and packaging of food. Student will also examine the processes of dehydration, fermentation, and irradiation of food. Current events dealing with food safety issues will also researched. Students will also be introduced into the various careers available in the food science area.

NIACC Animal Science (AGS 109)

Semester course - 1 credit

Prerequisite: None

Course number: 246

SCED Code: 18101C

Grades: 11th - 12th

This course is designed to provide students a general overview of the livestock industry. It identifies the ways in which domestic animals serve the basic needs of human foods, fiber, shelter, protection, fuel, and emotional well-being. Students will develop an understanding of and be able to apply the basic principles of animal selection, breeding, genetics, feeding, health and husbandry practices. As a student you will become familiar with the economic and social issues that confront the livestock industry.

All students who successfully complete this course will receive three college credits from the North Iowa Area community College. These credits are transferable to Iowa State University and many other colleges and universities.

NIACC Principles of Agronomy (AGA 114)

Semester course - 1 credit

Prerequisite: None

Course number: 331

SCED Code: 18051C

Grades: 11th - 12th

This course is designed to provide students with knowledge of the anatomy and physiology of plants and the ability to identify various pests associated with agronomic crops. Students will also learn about the laws and regulations dealing with the handling and application of pesticides. Students will take the Iowa Core Manual examination as a requirement of this course. All students who successfully complete this course will receive three college credits from the North Iowa Area community College. These credits are transferable to Iowa State University and many other colleges and universities.

ART

9th	10th	11th	12th	Course Title	Length	Credit	Prerequisite
X	X	X	X	Introduction to Art	Year	2	
	X	X	X	Drawing	Semester	1	Intro to Art
	X	X	X	Ceramics	Semester	1	Intro to Art
	X	X	X	Sculpture	Semester	1	Intro to Art
	X	X	X	Graphic Design	Year	2	Intro to Art
	X	X	X	Painting	Semester	1	Intro to Art
	X	X	X	Photography	Semester	1	Intro to Art
	X	X	X	A.R.T.	Semester	1	Intro to Art
	X	X	X	Traditional Techniques	Semester	1	Intro to Art
		X	X	Adv. Art	Year	1	Intro to Art and 1 of Drawing, Painting, Ceramics, Sculpture, Printmaking or Photography

Introduction to Art

Year course - 1 credit/Semester

Prerequisite: None

Course number: 79

SCED Code: 05154

Grades: 9th - 12th

Successful completion of Introduction to Art is a prerequisite for all other art courses. Introduction to Design is a hands-on course, which centers projects around the Elements and Principles of Design. The projects will use a wide variety of media and techniques to acquaint the students with many different art applications.

Drawing

Semester course - 1 credit

Prerequisite: Introduction to Art

Course number: 23

SCED Code: 05156

Grades: 10th - 12th

Drawing will build upon skills from Introduction to Art and will incorporate a variety of media, techniques, subject matter and art styles. The following media will be explored: pencil, chalk, crayons and charcoal. Subject matters, which will be emphasized, are: landscapes, still-life arrangements and figure drawings.

Ceramics

Semester course - 1 credit

Prerequisite: Introduction to Art

Course number: 43

SCED Code: 05159

Grades: 10th - 12th

Ceramics places emphasis on the use of clay to create pottery. Students will focus on hand building techniques like pinch, coil, slab and mold made constructions. Students may also be introduced to the potter's wheel and basic throwing techniques. After the construction of pottery pieces, students will learn glazing techniques and kiln technology.

Sculpture

Semester course - 1 credit

Prerequisite: Introduction to Art

Course number: 19

SCED Code: 05158

Grades: 11th - 12th

Sculpture is the creation of 3-dimensional artworks. In this course, students will be exposed to a variety of sculptural media, which include: wire, cardboard/paper, stone, wood and foam. Projects will be inspired by the work of artists, past and present. Students will be focused on incorporating unique ideas and creatively using materials and methods.

Graphic Design

Semester course - 1 credit

Prerequisite: Introduction to Art

Course number: 75

SCED Code: 05162

Grades: 11th - 12th

Graphic Design will offer students an opportunity to develop and expand visual problem solving skills through a wide variety of graphic related projects. Students will have the opportunity to explore technology through the use of computers, the digital camera and scanner. Using the Photoshop Elements program, students will create projects, including introductory design lessons, letterhead/envelope, advertisements and package designs. Photo editing may also be explored during this course. Student will also work with Moviemaker to create an animated Claymation movie.

Painting

Semester course - 1 credit

Prerequisite: Introduction to Art

Course number: 14

SCED Code: 05157

Grades: 10th - 12th

Painting class will focus on different artistic styles, media and methods. Color mixing and theory will be an important part of the course. Students will work with tempera, acrylic and watercolor paints on different grounds, such as stretched canvas, canvas board and paper. Subjects for paintings will include landscapes, still-life arrangements, portraits, abstracts and nonrepresentational designs.

Photography

Semester course - 1 credit

Prerequisite: Introduction to Art

Course number: 80 SCED Code: 11156 Grades: 10th - 12th

Students will learn about different types of cameras and basic photography techniques using both digital cameras. They will learn about how to photograph specific subjects: people, still objects and landscapes, with a strong emphasis on compositional techniques. They may also explore computer photo editing.

Traditional Techniques

Semester course - 1 credit

Prerequisite: Introduction to Art

Course number: 146 SCED Code: 05161 Grades: 10th - 12th

An art class that includes traditional techniques that have been used throughout the ages in art. Examples of these techniques are mosaic, printmaking, textiles, jewelry and textiles.

Advanced Art

Semester course - 1 credit

Prerequisite: Introduction to Art and one of the following: Drawing, Painting, Ceramics, Sculpture, Traditional Techniques, Photography

Course number: 331 SCED Code: 18051C Grades: 11th - 12th

Students will have the opportunity to create more challenging projects in the both 2d and 3-d areas of art. The focus will be on more advanced skills and techniques with exploration of extensive media choices. Students will be allowed some time for independent study of their personal art interest areas. Students will produce a group project for the enhancement of the school or community.

A.R.T. (Acquire, Recycle, Transform)

Semester course - 1 credit

Prerequisite: Introduction to Art

Course number: 148 SCED Code: 05166 Grades: 10th - 12th

Students will take old items and give them new life. Project examples would be: refinishing or repainting furniture, turning bowling balls into garden balls, recycling books into art and similar ideas. Pinterest is used to help guide ideas for the course. Student input for project ideas is welcome.

BUSINESS/TECHNOLOGY

9th	10th	11th	12th	Course Title	Length	Credit	Prerequisite
X	X	X	X	Computer Apps. I	Year	2	
	X	X	X	Computer Apps. II	Year	2	Computer Applications I
	X	X	X	Accounting I	Year	2	
		X	X	Accounting II	Year	2	Accounting I
	X	X	X	General Business	Semester	2	
							Comp. Apps I/II (Teacher Rec)
		X	X	Advanced Project	Semester	2	
		X	X	Financial Literacy	Semester	1	

Computer Applications I

Year course - 2 credits

Prerequisite: None

Course number: 241

SCED Code: 10004

Grades: 9th - 12th

This two-semester course works to develop skills in a variety of technological areas that meet the 21st Century Skills related to Technology Literacy. These skills are developed through the use of a variety of programs and software applications.

- Demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.
- Use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.
- Apply digital tools to gather, evaluate, and use information.
- Demonstrate critical thinking skills using appropriate tools and resources to plan and conduct research, manage projects, solve problems and make informed decisions.
- Understand human, cultural, and societal issues related to technology, and practice legal and ethical behavior.
- Demonstrate a sound understanding of technology concepts, systems and operations.

Computer Applications II

Year course - 2 credits

Prerequisite: Computer Applications I

Course number: 242

SCED Code: 10005

Grades: 10th - 12th

Computer Applications II is a continuation of technology skills through the use of projects. This course includes video production, robotics and programming, 3D printing, and app creation.

General Business

Semester course - 1 credit

Prerequisite: None

Course number: 17

SCED Code: 12051

Grades: 10th - 12th

This class focuses on the student's role as a citizen, consumer, business owner, and active participant in the business world. The intent of General Business is to provide students with an introduction to the business world and a better understanding of our economic environment. Areas of study include our economic system, business operations, small business management, international business, human resources, and marketing concepts. This course is designed to help students develop the knowledge, skills and abilities needed to understand and live in the everyday workplace.

Accounting I

Year course - 2 credits

Prerequisite: None

Course number: 40

SCED Code: 12104

Grades: 10th - 12th

Accounting is an essential aspect of every business institution and organization. As future workers, small business owners, and entrepreneurs, students who understand basic accounting principles will more knowledgeably manage their companies' financial resources. As citizens, future parents, and investors, students will be better prepared to make the economic decisions that will affect their communities and make the financial decisions that will affect their own economic futures. Students will learn the purpose and use of various journals and subsidiary ledgers, post to ledger accounts, prepare and interpret financial statements and complete the bookkeeping cycle. Basic textbook/workbook instructions include integrated automated (computerized) instruction. Several simulations will be used to acquaint students with the procedures used in realistic business.

Accounting II

Year course - 2 credits

Prerequisite: Accounting I

Course number: 62

SCED Code: 12104

Grades: 11th - 12th

Accounting II is a continuation of Accounting I. It will include a study of departmentalized accounting, corporation, management and cost accounting. Automated accounting and simulations will be included.

Advanced Projects

Semester course - 1 credit

Prerequisite: Computer Apps I, Computer Apps II, General Business (Teacher Recommendation Required)

Course number: 274

SCED Code: 12009

Grades: 11th - 12th

Advanced Projects will offer instruction as well as individualized projects. Certain emphasis will be on technology-related school district projects. Building upon Computer Apps I & II and General Business, along with new techniques, this class will allow students to create advanced projects such as commercials, radio ads, print advertising, marketing campaigns, short films, and professional presentations. The projects within this class will meet numerous 21st Century Skills listed in the Iowa Core Curriculum. In addition, these projects will require students to collaborate with classmates, but community members, local businesses, and other individuals they are not normally in contact with. This will allow the students to utilize and build upon their verbal and listening skills. This class is also an opportunity for students to explore possible career opportunities within the business world and identify strengths that might lead them into these careers.

Financial Literacy – Required course

Semester course - 1 credit

Prerequisite: None

Course number: 508

SCED Code: 22210

Grades: 11th

This is a required semester-long course for all juniors. The class will focus on the Skills for Financial Literacy outlined in the Common Core.

- Demonstrate financial responsibility and planning skills to achieve financial goals for a lifetime of financial health.
- Learn how to manage money effectively by developing spending plans and selecting appropriate financial instruments to maintain positive cash flow
- Make informed and responsible decisions about incurring and repaying debt to remain both creditworthy and financially secure.
- Evaluate and identify appropriate risk management options, including types of insurance, non-insurance, and identity protection.
- Assess the value, features, and planning processes associated with savings, investing, and asset building, and apply this knowledge to achieve long-term financial security with personal and entrepreneurial goals in a global market

- Understand human, cultural, and societal issues related to financial literacy, and practice legal and ethical behavior.

Content will include simulations, current events, video clips, simulations, and guest speakers.

ENGLISH

9th	10th	11th	12th	Course Title	Length	Credits	Prerequisites
X				English 9	Year	2	
	X			English 10	Year	2	
		X	X	American Literature	Semester	1	
		X	X	Western Literature	Semester	1	
		X	X	Basic Communication	Semester	1	
		X	X	Digital Storytelling	Semester	1	
		X	X	Intro to Comp	Semester	1	
		X	X	Journalistic Writing	Semester	1	
		X	X	Advanced Comp.	Semester	1	Intro to Composition
		X	X	Creative Writing	Semester	1	
		X	X	Independent Reading	Semester	1	
			X	NIACC Composition I	Semester	1	Intro to Composition & NIACC writing assessment.
			X	NIACC Composition II	Semester	1	NIACC Comp. I w/ passing grade of "C" or better.

ENGLISH

All students must take an English course each semester of high school. Students are required to take and pass 2 semesters of freshman English and 2 semesters of sophomore English. Juniors and seniors must take and pass 1 public speaking course, 1 literature course, and 2 writing courses.

Literature Courses ----- American Literature
 Western Literature
 Independent Reading

Oral Communication Courses -- Basic Communication
 Digital Storytelling

Writing Courses ----- Introduction to Composition
Advanced Composition
Journalistic Writing
Creative Writing
Digital Storytelling
NIACC Composition I
NIACC Composition II

English 9 – Required

Year course - 2 credits

Prerequisite: None

Course number: 5 SCED Code: 01001 Grades: 9th

Concepts: usage, grammar and mechanics review;
 Short stories (including writing a short story);
Communication skills – listening for information and speaking to an audience;
 Composition – sentences, paragraphs, essays;
 Non-fiction – essays and biographies, autobiographies;
 Romeo and Juliet;
 Short reports.

English 10 – Required

Year course - 2 credits

Prerequisite: None

Course number: 508 SCED Code: 01002 Grades: 10th

English 10 is a yearlong course focusing on reading and composition, especially research and argument development. Reading selections include mythology, poetry, *The Tragedy of Julius Caesar*, *Chew on This*, and *To Kill a Mockingbird*.

American Literature to 1900

Semester course - 1 credit

Prerequisite: None

Course number: 34 SCED Code: 01054 Grades: 11th -12th

American Literature to 1900 is a one-semester survey class that traces the development of American literature from the Native Americans and the Puritans to 1900. Students will learn characteristics of the literature of different time periods and be expected to relate those characteristics to the various readings. The selections are primarily poems, short stories, essays and plays. Emphasis on Essential Learning's Numbers: 1, 2, 7, and 9.

American Literature from 1900

Semester course - 1 credit

Prerequisite: None

Course number: 168

SCED Code: 01062

Grades: 11th – 12th

American Literature from 1900 is a one-semester survey class that traces the development of American literature since 1900. Students will learn characteristics of the literature of different time periods and be expected to relate those characteristics to the various readings. The selections are primarily poems, short stories, essays and plays. Emphasis on Essential Learning's Numbers: 1, 2, 7, and 9.

Western Literature

Semester course - 1 credit

Prerequisite: None

Course number: 50

SCED Code: 01058

Grades: 11th -12th

Western Literature is a one-semester survey class divided into two parts. The first part focuses on English literature; authors include Chaucer, Shakespeare, Donne, Milton, Shaw, The second section focuses on Western Literature; authors include Homer, Sophocles, Dante, Cervantes, Goethe, Tolstoy. The reading selections are primarily poems, short stories, and plays.

Independent Reading

Semester course - 1 credit

Prerequisite: None

Course number: 103

SCED Code: 01066

Grades: 11th -12th

Students will read novels and short stories – some self-selected, and others assigned and complete a variety of projects.

Creative Writing

Semester course - 1 credit

Prerequisite: None

Course number: 276

SCED Code: 01104

Grades: 11th -12th

Concepts: Journals
Memoirs
Letters
Essays
Poetry
Short Stories
Playwriting

Basic Communication - Required

Semester course - 1 credit

Prerequisite: None

Course number: 261

SCED Code: 01155

Grades: 11th -12th

Concepts: The communication process
 Conversation analysis
 How to prepare/present a speech
 Strong delivery and performance techniques
 Demonstrations
 Informative and persuasive speeches
 Résumés, cover letters, and interviews
 Commencement speeches
 Eulogies/Tribute Giving

Digital Storytelling

Semester course - 1 credit

Prerequisite: None

Course number: 583

SCED Code: 01151

Grades: 11th -12th

Juniors and/or seniors will learn to produce their own digital stories individually and collaboratively. The digital story, a new form of documentary, can be various forms of an event that has a clear beginning, middle, and end, or it can be a three-to-four minute mini-biography where in place of the professional writer, director, producer and editor, the storyteller becomes the filmmaker and uses personal photographs, family documents, community archives, and his/her own-recorded voice to create a short digital film about one's life. This course draws on the perspectives and methods from documentary filmmaking and the methodology of digital storytelling.

Journalistic Writing

Semester course - 1 credit

Prerequisite: None

Course number: 67

SCED Code: 01148

Grades: 11th -12th

Concepts:

Newswriting	Crafting for an audience
Defining news	Constructing stories
Inverted pyramid	Headlines
Interviewing	Journalistic ethics

Introduction to Composition

Semester course - 1 credit

Prerequisite: None

Course number: 61 SCED Code: 01103 Grades: 11th -12th

**Students who have previously taken and passed Advanced Composition are not allowed to register for Intro to Composition.*

Introduction to Composition is a one-semester writing class that is a prerequisite for Advanced Composition. Students in this class have their final writing included in the yearly reporting for the writing goals listed in the Comprehensive School Improvement Plan; because of this, the focus of the class is on organizational patterns, mechanical and grammatical correctness, ideas, and sentence fluency. Students will complete activities aimed at increasing sentence fluency, practice a variety of prewriting techniques, and write numerous papers according to established guidelines.

Advanced Composition

Semester course - 1 credit

Prerequisite: None

Course number: 57 SCED Code: 01103 Grades: 11th -12th

Advanced Composition is a one-semester writing class; in order to take this class, a student must have taken and passed Introduction to Composition. Students in this class have their final writing included in the yearly reporting for writing goals listed in the Comprehensive School Improvement Plan; the writing traits included are organization, conventions (mechanical and grammatical correctness), ideas, sentence fluency, voice, and word choice. Students will learn and practice skills for writing timed essays, personal essays, research papers, and responses to literature. Modern Language Association (MLA) documentation will be taught and used.

NIACC Composition I (ENG 105)

Semester course - 1 credit

Prerequisite: Introduction to Composition & Passing NIACC writing assessment

Course number: 456 SCED Code: 01156C Grade: 12th

Improvement of skills in reading, writing, speaking, and listening, with an emphasis on expository methods of development and personal experience as supporting material. Students will use word processors and the Writer's Workbench analyses programs and the Writer's Workbench STEPS programs. Students must meet minimum competency requirements in writing and speaking to receive a grade of C or higher. (60-0-0-0) Equivalent to ENGL-101, 30-101, ENGL-101, ENGL-104, ENG-102

NIACC Composition II (ENG 106)

Semester course - 1 credit

Pre-requisite: Composition I with passing of a C or better

Course number: 460

SCED Code: 01156C

Grade: 12th

Students must have earned a C or higher grade in Composition I before enrolling in Composition II. Continuation of ENG-105, Composition II, with an emphasis on argumentative and persuasive writing and speaking, research methods, and on language. Students will use word processors, Writer's Workbench analysis, Writer's Workbench STEPS, and sentence structuring videos. Students must meet minimum competency requirements in writing to receive a grade of C or higher. (45-0-0-0) Equivalent to 30-102, ENGL-102, ENGL-105, ENG-103

FAMILY & CONSUMER SCIENCE

9th	10th	11th	12th	Course Title	Length	Credits	Prerequisites
X	X	X	X	Family Consumer Science	Semester	1	
	X	X	X	Foods I	Semester	1	
	X	X	X	Foods II	Semester	1	Foods I
	X	X	X	Family Living	Semester	1	
	X	X	X	Child Development	Semester	1	

Foods I

Semester course - 1 credit

Prerequisite: Preference given to FACS

Capacity limit: 12

Course number: 26

SCED Code: 22202

Grades: 10th - 12th

This course will emphasize, in greater depth, the basic nutrition and food preparation taught in Family and Consumer Science. Food safety is also covered. An understanding of scientific principles of food preparation is stressed in every unit. Management of time and energy is an important part of every lab. Employment possibilities after having taken this course may be: waitress, cook, working with appliances.

Foods II

Semester course - 1 credit

Prerequisite: Foods I

Capacity limit: 12

Course number: 458

SCED Code: 16056

Grades: 10th - 12th

The class is designed to learn about new food trends and business management. It focuses on learning new techniques in food preparation today. Food plating in attractive ways is covered.

Labs will explore innovative ways to prepare many foods. Careers in culinary arts will be explored, and food safety will be covered. Students will also be able to experience various food service roles in labs.

Family Living

Semester course - 1 credit

Prerequisite: None

Course number: 39

SCED Code: 22208

Grades: 10th - 12th

This course will include development of the individual and his/her relationships with others. It will cover life topics such as health, friendships, dating, love and commitment. Living in a family, patterns of family living, facing family challenges, birth control options and STDs are also included. This course is designed to prepare the students better for life.

Child Development

Semester course - 1 credit

Pre-requisite: Family Living Preferred

Course number: 15

SCED Code: 22204

Grades: 10th - 12th

Child Development is a course involved with aspects of child development and parenting from conception through the age of pre-school. Feeding, clothing, mental, physical and intellectual growth, health and safety will be the topics of study. This course provides an opportunity for males and females who desire to work with parents and children to gain fundamental skills in understanding a child's growth. Topics will also include: social work education, nursing -healthcare.

Family and Consumer Science

Year course - 2 credits

Prerequisite: None

Course number: 7

SCED Code: 22201

Grades: 9th - 12th

Family and Consumer Science is a comprehensive study of home economics, covering personal care, clothing selection, care and construction, interpersonal relationships. There will be a study of food preparation and meal planning; you and your personal space; and childcare and development. Family and Consumer Science I is an overview of experiences that apply to everyday living.

FOREIGN LANGUAGE

9	10	11	12	Course Title	Length	Credit	Prerequisite
X	X	X	X	Spanish I	Year	2	
	X	X	X	Spanish II	Year	2	Spanish I
		X	X	Spanish III	Year	2	Spanish II
			X	Spanish IV	Year	2	Spanish III

Spanish I

Year course - 2 credits

Prerequisite: None

Course number: 10

SCED Code: 06101

Grades: 9th - 12th

This course is a prerequisite for advanced Spanish classes. It is the beginning course in understanding, speaking, reading and writing the Spanish language. The course includes building an active daily vocabulary, understanding basic grammar patterns, and surveying the cultural contributions of the Spanish-speaking world. The students gain practice in the four communication skills through various projects, short writings, oral interviews and short reading.

Spanish II

Year course - 2 credits

Prerequisite: Spanish I

Course number: 29

SCED Code: 06102

Grades: 10th - 12th

The students continue to develop vocabulary, add new grammatical principles and study the cultural and historical accomplishments of the Spanish-speaking world. The Spanish II class includes increased reading. Longer student writings, and continued practice of conversational Spanish. The students gain practice in the four communication skills through projects, essay writings, classroom presentations and short readings.

Spanish III

Year course - 2 credits

Prerequisite: Spanish II

Course number: 53

SCED Code: 06103

Grades: 11th - 12th

This course is designed to complete the study of Spanish grammar, increase fluency of spoken Spanish, continue vocabulary expansion and present a varied and

up-to-date cultural study. The students continue writing experiences in essays, paragraphs and short compositions. (Class conducted in Spanish and English).

Spanish IV

Semester course - 1 credit

Prerequisite: Spanish III

Course number: 74

SCED Code: 06104

Grade: 12th

In this course students will continue with the cultural study of the Spanish speaking world, continue vocabulary expansion, increase fluency of spoken Spanish, and use contemporary units and literature units. Students do various written projects to perfect written usage of language and various discussions and presentations to increase the fluency of the spoken language.

Industrial Technology

9	10	11	12	Course Title	Length	Credits	Prerequisites
X	X	X	X	Exploring Tech I	Semester	1	None
X	X	X	X	Exploring Tech II	Semester	1	Exploring Tech I
	X	X	X	Woods I	Semester	1	Exploring Tech I/II
	X	X	X	Woods II	Semester	1	Exp. Tech I/II, Woods I
	X	X	X	Metals	Semester	1	Exp. Tech I/II
	X	X	X	Computer Aid Drafting I (CAD)	Semester	1	Exp. Tech I/II
		X	X	CAD II	Semester	1	Exp. Tech I/II, CAD I
	X	X	X	Small Engines & Power	Semester	1	Exp. Tech I/II
			X	Building Trades	Semester	2	Exp. Tech I/II, Woods I/II, C required
X	X	X	X	Intro to Shop	Semester	1	None

Exploring Technology I

Semester course - 1 credit

Prerequisite: None

Course number: 4

SCED Code: 13003

Grades: 9th - 12th

This class teaches the basic fundamentals of industrial shop work. The semester starts out with thorough shop safety education. The students then learn a variety of basic hands-on industrial skills. A minimum of the following is learned: Shop safety, tool and machine operations for woods and metals, basic electrical wiring, small engine repair, and mechanical concepts. This class is a must for anyone who wants to learn about machine and tool operation for a career or just for personal use.

Projects in this class include clocks, name cutouts, tin punching and frame building, electrical wiring in a mock wall, and disassembly and assembly of a small gas engine.

Exploring Technology II

Semester course - 1 credit

Prerequisite: Exploring Technology I

Course number: 12

SCED Code: 13003

Grades: 9th - 12th

This is a one-semester course consisting of two separate units: manufacturing and transportation. Manufacturing: This is an introductory course that will provide the students with useful experience in the field of manufacturing. The course will consist of both lab and classroom activities, which will explore many different areas of manufacturing. A small mass production project, an Adirondack Chair, will be made using an assembly line approach as used in many industries. Student participation will be a major part of this course. Introduction to print reading and architectural drafting.

Woods I

Semester course - 1 credit

Prerequisite: Exploring Technology I

Course number: 32

SCED Code: 17006

Grades: 10th - 12th

This course offers the student an opportunity to explore the woodworking experiences common to industry. The student reviews hand tools and processes, studies various modes of design, sketches projects and makes wood drawings, and studies common cabinet lumbers and man made products such as particleboards, plastic laminates, plywood, etc. The student will draw up a bill of materials and figure costs, learn the operation of the different machines, and learn to maintain safe working habits in the woods shop. This course is intended to advance the introductory woodworking that was learned in Exploring Technology

Laboratory work shall consist of several projects assigned by the instructor and one or more projects selected and paid for by the student with the instructor's approval and based on the student's' needs and abilities.

Woods II

Semester course - 1 credit

Prerequisite: Exploring Technology I and Woods I

Course number: 18

SCED Code: 17006

Grades: 10th - 12th

This course stresses machine woodworking processes common in the trade. Students will begin the semester with a more advanced project of their choice or if needed, a project assigned by the instructor. The remainder of the semester will be an introduction to carpentry. The students will design and build a playhouse or shed in the shop, which will help them to learn the basic fundamentals of the construction industry.

Small Engines & Power

Semester course - 1 credit

Prerequisite: Exploring Technology I and II

Course number: 264

SCED Code: 20110

Grades: 10th - 12th

Small Engine Mechanics courses provide students with the opportunity to learn how to service and recondition small engines, typically emphasizing two and four-cycle engines. These courses provide students with opportunities to troubleshoot and repair speed controls, lubrication, ignition, fuel, power transfer, cooling, exhaust, and starting systems; use hand, power, and overhaul tools; and read and interpret service manuals and parts' catalogs. Applications may include lawn mowers, tractors, tillers, power tools, and so on.

Covering many of the same topics as Electricity—Comprehensive courses, Residential Wiring courses apply the knowledge and skills that students acquire to the electrical systems found in family dwellings. Because these courses emphasize residential electricity, topics may also include cable installation, telephone systems, and the installation of lighting fixtures, outlets, and so on. Maintenance and repair skills are often included as course topics.

Metals and Power

Semester course - 1 credit

Prerequisite: Exploring Technology I and II

Course number: 244

SCED Code: 13202

Grades: 10th - 12th

This course will deal with the study of metals that are used in industry in both the cold and hot forms. The areas covered will be sheet metals, bench metals, wrought iron work, foundry, forging, torching, plasma cutting, MIG and Arc welding and the methods and procedures of fabricating assembly and use of metal projects.

Short work will include one or more projects, including a toolbox, in the major areas assigned by the instructor and at least one project designed and fabricated by the student. This will help the students advance their small engine and mechanical skills.

Computer-Aided Drafting (CAD)

Semester course - 1 credit

Prerequisite: None

Course number: 153

SCED Code: 21107

Grades: 10th - 12th

This course will begin with the students learning the fundamentals of drafting on paper. The students will then spend the remainder of the semester learning modern drafting procedures on a computer using the Chief Architect software. The students will be assigned a variety of drawing projects throughout the semester including construction designs, interior/exterior home layouts and landscaping. The students will also be introduced to the Solidworks engineering software to design mechanical parts.

Building Trades

Year course - 2 credits

Prerequisite: At least a C in Exploring Technology I & II, Woods I & II or permission from the instructor

Course number: 72

SCED Code: 17002

Grade: 12th

This course is designed for students who are interested in the possibility of pursuing a career in the building trades. The course would also be appropriate for any student who may in the future need personal familiarity with building techniques in order to perform basic maintenance and remodeling of his/her home.

Topics upon which the student will receive instruction would include: Building Materials; Safety of the Job; Use of Power Tools; Basic Cement Work; Framing; Roofing; Windows and Doors; Exterior/Interior Walls; Energy Efficiency; Floors; Cabinets; Plumbing; Electrical Wiring; and other topics.

This class is a double-block class so students will need two periods back-to-back on their schedules. Almost daily, the class goes to various jobsites around town to perform real construction projects such as building garages or sheds.

Introduction to Shop

Semester course - 1 credit

Prerequisite: None

Course number: 245

SCED Code: 17049

Grades: 9th - 12th

This course is designed for those students who have not had the chance to take an industrial arts class and are interested in learning the basic concepts in a variety of areas. The class will focus on basic lessons and projects involving: wood work, automotive, electricity, plumbing, home maintenance, shop safety, shop technology and other hands on ideas. This class is designed for those who will only take minimal industrial arts classes.

MATHEMATICS

9th	10th	11th	12th	Course Name	Length	Credits	Prerequisites
X				Pre-Algebra	Year	2	Teacher Recommend Only
X	X	X	X	Algebra I	Year	2	Pre-Algebra
X	X	X	X	Geometry	Year	2	Algebra I
	X	X	X	Algebra II	Year	2	Algebra I
		X	X	Advanced Math	Year	2	Algebra II
		X	X	Consumer Math	Year	2	Teacher Recommend Only
			X	Trigonometry	Semester	1	Advanced Math
			X	Calculus	Semester	1	Trigonometry

Students are required to earn (take and pass) 6 semester credits in the area of Mathematics. In the freshman year the student begins with the possibility of taking Pre-Algebra, Algebra I, or Geometry. As a general rule, the eighth grade mathematics teachers will make recommendations as to which course would afford the student the best chance for success.

The high school mathematics curriculum emphasizes the development of the concepts within the following mathematics standards areas:

- Basic and advanced properties of numbers
- Basic and advanced procedures of computation
- Basic and advanced properties of measure
- Basic and advanced properties of geometry
- Basic and advanced concepts of data analysis, statistics, distribution and probability
- Basic and advanced properties and functions of algebra

Pre-Algebra

Year course - 2 credits

Prerequisite: Teacher Recommendation Only

Course number: 6

SCED Code: 02051

Grades: 9th

Pre-Algebra is offered to students who need additional preparation before taking an Algebra course. Class size is limited to students who are recommended by the eighth grade mathematics teacher. The main emphasis is writing, solving, and graphing integral and rational equations and inequalities. Some of the other topics discussed include absolute value, powers, factoring, the distributive property, ratio, percent, proportion, perimeter, area, volume, and some basic probability and statistics.

Algebra I

Year course - 2 credits

Prerequisite: Pre-Algebra

Course number: 1

SCED Code: 02052

Grades: 9th - 12th

Algebra I provides opportunities for students to develop skills in simplifying algebraic expressions and solving problems. Major emphasis is placed upon the study of linear functions and their graphs. Rules of exponents, polynomials and quadratic equations are also presented. When possible, real life situations are used to motivate algebraic concepts. Students are strongly encouraged to have their own scientific calculator. College bound students are encouraged to take this course early in their high school experience.

Geometry

Year course - 2 credits

Prerequisite: Algebra I

Course number: 27

SCED Code: 02072

Grades: 9th - 12th

The content of this course provides students with opportunities to learn all aspects of geometry including: the skills of drawing, measurement, visualization, and proof within plane, solid and coordinate geometries. Students are provided with the language of logic and deduction, which gives training in organizing and developing one's thinking process. A year of geometry helps satisfy entrance requirements to most colleges.

Algebra II

Year course - 2 credits

Prerequisite: Algebra I

Course number: 41

SCED Code: 02056

Grades: 10th - 12th

Algebra II is recommended for all college bound students where three years of high school mathematics is required. This course provides opportunities for students to develop skills in manipulation of linear, quadratic, exponential, logarithmic and trigonometric expressions. Major emphasis will be placed on characteristics of functions and function notation. A scientific calculator is required and will need to be provided by the student. Some exposure to graphing calculators will be provided. Successful completion of Geometry is strongly recommended.

Consumer Math

Year course - 2 credits

Prerequisite: At least two other High School math courses/Teacher Recommended

Course number: 11

SCED Code: 02157

Grades: 11th - 12th

This course is designed for junior or senior level students who are in need of an additional math credit to satisfy graduation requirements. Topics studied are designed to demonstrate vital life skills in the area of personal finance, such as: checking and savings accounts, payroll, federal and state income tax, credit cards, and other consumer related topics.

Advanced Math

Year course - 2 credits

Prerequisite: Algebra II

Course number: 73

SCED Code: 02107

Grades: 11th - 12th

Advanced math is strongly recommended for all college bound students whose college work involves technical fields or requires them to take college calculus. Major goals of the course include building understanding of the properties and uses of functions. Types of functions reviewed or developed include exponential, logarithmic, trigonometric, circular, polynomial and rational. The set of complex numbers and polar coordinates will be utilized. Visual information derived from

graphing calculators will be used at times to obtain and verify properties of various functions.

Trigonometry

Semester course - 1 credit

Prerequisite: Advanced Math

Course number: 73

SCED Code: 02103

Grade: 12th

Trigonometry courses prepare students for eventual work in calculus and typically include the following topics: trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities and equations; solutions of right and oblique triangles; and complex numbers.

Calculus

Semester course - 1 credit

Prerequisite: Trigonometry

Course number: 52

SCED Code: 02121

Grade: 12th

Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).

MUSIC

9	10	11	12	Course Title	Length	Credit	Prerequisite
X	X	X	X	Instrumental	Year	1	
X	X	X	X	Choir	Year	1	

Vocal Music

Year course – 2 credit

Prerequisite: Ability to match pitch as determined by the instructor

Course number: 82

SCED Code: 05110

Grade: 9th– 12th

The goals of the high school vocal music program are to:

1. Help the students work together as a group.
2. Work for a high degree of excellence individually and as a group.
3. Create art that is musically and personally satisfying

Concerts: Fall, Christmas, Coffeehouse, Spring and Graduation Concerts.

Activities: All-State Chorus Auditions, Chamber Choir, numerous small ensembles, Solo and Ensemble Contest and Large Group Contest.

Requirement: Attendance at all performances throughout the school year.

Grade: Based upon lesson attendance, daily rehearsal attendance/behavior and attendance at and participation in all public performances.

Awards: Letter Award and Outstanding Performances Award – based on a point system.

Instrumental Music

Year course - 2 credits

Prerequisite: Completion of Instrumental Music in Middle School or the approval of the instructor.

Course number: 81

SCED Code: 05101

Grade: 9th - 12th

The goals of the high school instrumental music program are to:

1. Teach students to work together in pursuit of a common goal of superior instrumental music performance.
2. Strive for a high degree of excellence, both individually and in ensemble settings.
3. Create musical and personal experiences, which will inspire students to become lifelong learners and musicians.

These goals are met through daily rehearsals and various types of performances.

Credit: One credit per semester

Time: Daily rehearsals during school

Performances: Parades (competition and non-competition), halftime shows, solos, small groups, concerts, pep band, and large group contests.

Requirements: Attendance at all performances during the school year

Grades: Based on lesson attendance, daily rehearsals, and public performances.

Awards: Letter award and outstanding performances award – based on point system.

Private lessons and group work, solos, etc. are greatly encouraged.

PHYSICAL EDUCATION AND HEALTH

9th	10th	11th	12th	Course Title	Length	Credits	Prerequisites
X	X	X	X	Physical Education	Year	.5/Year	
X	X	X	X	Individualized Physical Education	Year	.5/Year	Must have full schedule
X	X	X	X	Weight Lifting	Year	.5/Year	

Physical Education – required for 4 years

Year course - .5 credit/each semester

Prerequisite: None

Course number: 52

SCED Code: 02121

Grade: 9th - 12th

The West Hancock High School physical education course is designed to better educate the students through the body and the mind. Our objectives are many and varied. We hope to enrich the mental, physical, social, and emotional well being of every student. During this course, there will be presented some type of activity either of team or of individual nature at which each student should achieve some degree of success. The program will emphasize team sports during the first semester and recreational or individual activities during the second semester. CPR will be taught every four years. There will be written work, class discussions, films and written and skill tests. The reason for this is to give the students some background information about the various activities and to provide him with reasons why skills and activities are done in a certain way.

Each student in the West Hancock High School is required to attend class each semester and to participate unless not medically advisable. That particular student must be excused from class by a statement from a medical doctor.

The AAHPER (American Alliance of Health, Physical Education and Recreation) Physical Fitness Test is administered to evaluate the abilities of a student as compared to other students of the same age on a national scale. NCCS # 2301

Team Sports	Individual Sports
B/G Basketball	B/G Golf
B/G Brown Ball	B/G Frisbee Golf
B/G Mat Ball	B/G Badminton
B/G Speedball	B/G AAHPER Test
B/G Volleyball	B/G Weightlifting
B/G Whiffle Ball	Fitness Test twice per year
B/G Wrestling	B/G Pickleball
B/G Open Unit	Biggest Loser Workout
(other creative activities)	B/G Repelling with Army
Swimming	Identified current activities)

Weight Lifting

Year course - .5 credit/each semester

Prerequisite: None

Course number: 447

SCED Code: 08009

Grade: 9th - 12th

Students will work with instructor to develop an individualized lifting plan, which includes free weights, cardio, and core exercises. Students will then work on this plan and towards set goals during the semester.

Health – or Health & Fitness required

Semester course - 1 credit

Prerequisite: None

Course number: 87

SCED Code: 08051

Grade: 9th - 12th

Health is an activity centered course designed to help the student develop an awareness of the physical and mental needs, the effects of alcohol, tobacco, drugs, and poisons on the human body, the characteristics of communicable and noncommunicable diseases and current crucial health issues, human sexuality, self-esteem, stress management and interpersonal relationships. The student will, through heightened awareness, be able to make responsible decisions about his/her health. The health program is a comprehensive curriculum, which has a variety of topics of concern significantly different from time to time and place to place in our society. The following best explains the topics of concern under the new laws of the State of Iowa: personal health, food and nutrition, environmental health, safety and survival skills, consumer health, family life, substance use and nonuse, emotional and social health, prevention and control of diseases and health resources.

Many of the topics of concern in the curriculum may be discussed and taught through a peer help session atmosphere. Many topics such as stress management, interpersonal relationships, stereotyping and self-esteem are all good examples of topics to be handled in this type of discussion.

Individualized Physical Education

Semester course - 1 credit

Prerequisite: Must have full schedule

Course number: 183

SCED Code: 08047

Grade: 9th - 12th

Full Course Load: 8 courses, 7 courses plus band or vocal, or a full course load comprised of Hub courses and required courses.

Students taking this course are required to: develop and individualized physical education plan, including personal fitness goals; develop a plan to secure documentation of activities with the approval of the instructor; maintain a record of activities; document progress by collecting evidence acceptable to the instructor and prepare a written evaluation of the plan at least 500 words long which includes a critique of the plan. Students not participating in athletics must participate in approved activities a minimum of three times per week. Students participating in athletics must participate in approved activities a minimum of two times per week.

A proposal must be submitted to the instructor for approval within the first week of the semester in which the course is taken and which includes the

personalized plan as indicated above. This plan must also be approved by the high school principal.

SCIENCE

9th	10th	11th	12th	Course Title	Length	Credits	Prerequisites
X				Physical Science	Year	2	
	X			Biology	Year	2	
		X	X	Chemistry	Year	2	Physical Sci., Alg. I
		X	X	Anatomy and Physiology	Year	2	Biology
		X	X	Environmental Science	Year	2	Physical Science, Biology
			X	Physics	Year	2	
		X	X	Forensics I	Semester	1	Biology
		X	X	Forensics II	Semester	1	Biology

Physical Science - required

Year course - 2 credits

Prerequisite: None

Course number: 8

SCED Code: 03159

Grade: 9th

The understanding of the natural world both biological and non-biological starts with the understanding of matter, how it is constructed, and how it interacts and combines with other matter to make up all of the substances in the universe. Understanding the structure of and interactions between matter and the role energy has in changing or sustaining matter is essential. All life and earth processes have their foundation in matter and how it interacts, is constructed, and is altered.

Energy plays a unique role in the understanding of matter. The addition or removal of energy from a system can change the physical motion of matter and in the right conditions, rearrange how matter is configured through the breaking and forming of bonds.

Biology - required

Year course - 2 credits

Pre-requisite: None

Course number: 21

SCED Code: 03051

Grade: 10th

Biology will develop understanding of key concepts that help them make sense of life science. The course focuses on how organisms and their body systems maintain stability, and on the structure of DNA and how an organism's genetic traits are determined, as well as the environmental influences on the expression of those traits. There will be opportunities for a deeper look into the evolution of Earth systems, organisms, and the interdependent relationships in ecosystems. The course also focuses on how humans influence Earth systems and vice versa on a local and a global scale.

Environmental Science

Year course - 2 credits

Prerequisite: Physical Science and Biology

Course number: 52

SCED Code: 02121

Grade: 11th - 12th

Environmental Science is a study of the environment. This course will provide the basic knowledge to allow students to understand the specific aspects of our environmental and man's influence upon it. Emphasis is placed upon current, global environmental concerns, such as: biodiversity, atmospheric problems, pesticide use, human population growth, etc.

Anatomy and Physiology

Year course - 2 credits

Prerequisite: Biology

Course number: 66

SCED Code: 03054

Grade: 11th - 12th

The study of human anatomy and physiology. Through dissection of a cat, students will observe the relationship that exists between the structure and function of body organs and systems. Laboratory investigations demonstrate the inherent functioning of each system of the body. Lecture, film and discussion provide explanation of how the integrated human systems maintain a living condition in humans.

Chemistry

Semester course - 1 credit

Prerequisite: Passed Algebra I with a C or higher and Physical Science

Course number: 44

SCED Code: 03101

Grade: 11th - 12th

This course is designed for the future medical, technical and the college-bound students. It is also a useful course for the student going into agriculture. Chemistry involves studying the composition, properties, and reactions of substances.

These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic

structure. Chemical formulas and equations and nuclear reactions are also studied. The course lays a basic foundation in chemistry for the student to build upon and interpret some of the chemical happenings in his/her environment. This is accomplished through laboratory experiments, teacher demonstrations and investigating mathematical relationships.

Forensic Science I

Semester course - 1 credit

Prerequisite: Physical Science and Biology

Course number: 181

SCED Code: 03202

Grade: 11th - 12th

This course is designed with students using scientific knowledge and reasoning. It involves all areas of science including Biology, Anatomy, Chemistry, Physics with an emphasis in complex reasoning and critical thinking. In addition, students must incorporate the use of technology, communication skills and mathematics in the problem solving process.

Forensic Science II

Semester course - 1 credit

Prerequisite: Physical Science and Biology

Course number: 182

SCED Code: 03202

Grade: 11th - 12th

This course is designed to be an extension of Forensic Science I. Students are not required to take Forensics I course if their science background is strong. Students will explore deeper into the scientific knowledge and reasoning in the areas of criminal investigations that were not covered in Forensics I. See above course description.

Physics

Year course - 2 credits

Prerequisite: Algebra I and Physical Science

Course number: 44

SCED Code: 03101

Grade: 12th

This course is recommended for college bound students as well as people entering the fields of technology and medicine. Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena. A conceptual approach is taken in this course, emphasizing that mathematical models are only useful after a conceptual understanding is attained.

Social Studies

9th	10th	11th	12th	Course Title	Length	Credits	Prerequisites
X				Social Studies	Year	2	
	X	X	X	World History	Year	2	
		X	X	NIACC Sociology	Semester	1	
		X	X	Marriage and the Family	Semester	1	
	X	X	X	American History	Year	2	
		X	X	History 20th Century	Year	2	
		X	X	American Government	Semester	1	
		X	X	Economics	Semester	1	
	X	X	X	America at War	Year	1	

Social Studies - required

Year course - 2 credits

Prerequisite: None

Course number: 9

SCED Code: 04001

Grade: 9th

This course is a cultural geography course, which examines elements of culture (such as language, religion, physical geography, government, and economy) of regions around the world.

World History

Year course - 2 credits

Prerequisite: None

Course number: 13

SCED Code: 04051

Grade: 10th -12th

This course is the first class addressing world development. Major areas of study in this course include: human beginnings, early civilization, the great empires (Greece and Rome) and global expansion. It also addresses the emergence of modern nations, the age of revolution and world upheavals prior to WW 1. Emphasis will be placed on the broad areas of the Mediterranean, East Asia, Asia, Africa and the Americas as well as Western Europe with an in-depth study of the geography of these lands.

American History – required

Year course - 2 credits

Prerequisite: None

Course number: 42

SCED Code: 04103

Grade: 10th - 12th

This course is designed to give students a better understanding of the United States from the year 1865 to the present. The instructor will give the course a human flavor by encouraging students to study history as something that really happened and by looking at the historical figures as people who really lived with the same problems and hopes that we have today. At the beginning of each unit, the geography of the area being studied is analyzed.

A background of American History is required in most liberal arts colleges. It is also almost any field of endeavor especially law, education and all social fields.

NIACC Sociology

Semester course - 1 credit (Concurrent NIACC credit)

Prerequisite: None

Course number: 35

SCED Code: 04258

Grade: 11th – 12th

Sociology is defined as the science of society, social institutions and social relationships. The scientific analysis of social adjustments, cultural heredity, problems of marriage and family, crime and punishment, the population explosion and minority groups. Sociology would provide information in any line of social work and any field that deals with human relations.

Marriage and the Family

Semester course - 1 credit

Prerequisite: None

Course number:

SCED Code:

Grade: 11th - 12th

Marriage and the Family is a designed to acquaint students with a wide range of information about general perspectives on dating, marriage, and family relationships in a changing society. Topics include dating relationships, marital and family interactions and dysfunctions, and a historic perspective of marriage and changes that have occurred, as well as future outlooks on marriage and the family.

American Government - required

Semester course - 1 credit

Prerequisite: None

Course number: 65

SCED Code: 04151

Grade: 11th - 12th

In American Government, students get an in-depth look at the American democratic system. The major emphasis is placed on the actions of government rather than the structure of government. All levels of government are examined with the emphasis being placed on the federal government. This course is basic to the understanding of the American system and therefore, applicable to all career fields.

Economics - required

Semester course - 1 credit

Prerequisite: None

Course number: 70

SCED Code: 04201

Grade: 11th - 12th

Increasingly, citizens are called upon to participate in making decisions that are of an economic nature, whether it be deciding how best to spend or invest one's own limited income or deciding economic matters affecting the whole community,

country or world. This course is designed to acquaint the student with the economic concepts and tools that are necessary for lifelong contribution to society.

History of the 20th Century

Year course - 2 credits

Prerequisite: None

Course number: 440

SCED Code: 04106

Grade: 10th -12th

This course will focus on specific events in the United States in the 20th Century. First semester focuses on 1900 - 1949, while second semester focuses on 1950 -2000. This course will look at the people, events, and social issues that have shaped our current American society. The course will include many projects and application activities that will allow students to become involved in the history they are discovering.

America at War: Revolution to the Present

Year course - 2 credits

Prerequisite: None

Course number: 272

SCED Code: 04109

Grade: 10th – 12th

This course is a survey of military history and the interaction between society and military institutions, technology and techniques from 1763 to the present. The course will study the interrelationships of warfare, technology and society in American history. The course will focus on such questions as how changing "styles" of warfare, the composition of the military establishment (militias, citizen armies, paid professionals, mercenaries), and the transformations in military technology have impacted upon state and society. It will also investigate how political and societal changes have influenced the nature of warfare in American history.

NIACC ACADEMIES

Academies and Programs are Career Link courses of study that combine two years of secondary education with two years of postsecondary education. Students select an academy or program they would like to pursue and then choose classes within the academy or program to further their educational learning. Students receive high school and college credit for these classes, thus earning up to one year of college credit while still in high school.

Business & Entrepreneurship – Garner-Hayfield/Ventura High School

Semester I

- Introduction to Entrepreneurship BUS-130
- Emerging Business Practices & Technologies BUS-122
- Composition I ENG-105

Semester II

- Creating a Company BUS-152
- Human Relations BUS-161
- Business internships BUS-225
- Composition II ENG-106

Health Careers – West Hancock High School

- Cost of the CNA exam, physical, and immunizations will be at the student expense.
- Health Career Academy students wishing to continue in the NIACC Practical Nursing (PN) program or the Associate Degree Nursing program (RN) should review the NIACC catalog for further admission requirements.
- Upon completion of the first semester Nurse Aide Theory, Lab, and Clinical classes, a student may take the state written test and skills demonstration test. With a score of 70% or better, a student will be registered with the State of Iowa as a Certified Nurse Aide (CNA)
- Upon completion of The Emergency Responder course, students may earn Health Care Provider CPR certification and national Emergency Responder certification.

-Students will take the following courses:

Semester I

- Developmental Psychology PSY-121
- Nurse Aide Theory HSC-171
- Nurse Aide Clinical HSC-174
- First Aid PEH-140
- Composition I ENG-105

Semester II

- Introduction to Psychology PSY-111
- Medical Terminology HSC-120
- Emergency Medical Responder EMS-114
- Composition II ENG-106

SPECIAL EDUCATION RESOURCE ROOM

West Hancock High School provides a learning resource room for students who need a little extra help with their schoolwork and who have special needs in one or more areas of learning. The main objective of the resource room is remediation in areas most challenging to the student. This may include reading, pronunciation, and comprehension, mathematics, vocabulary, written language and expression, etc. Through remediation the goal is to prepare the student for everyday life after high school.

A secondary goal is to providing assistance and support for class assignments and upcoming tests. A student may need more immediate feedback to determine if material presented in class is understood. The resource room offers a more individualized setting to help meet these needs. The resource room teacher's role is not to give out answers, but to help the student find the answer.

The resource room is not a study hall but a learning center providing opportunities to work in an individualized atmosphere, which provides the instructor with an opportunity to help students achieve personal success and a positive feeling about school.

To be served in the resource room program, a student must be referred by a teacher, principal, parent, or by him/herself. Next, the parent must approve of testing to gain possible eligibility. If this permission is granted, personnel from Area Education Agency 267 will determine the student's intelligence and grade level achievement in major academic areas. A student must meet specific criteria in order to qualify for the program. If eligible an initial staffing is scheduled involving parents, building principal, AEA 267 consultant, special needs (resource room) teacher, general education teacher and the student. The purpose of the staffing is to determine what goals and objectives should be incorporated to best meet the student's needs.

Parents must give approval for any service to be provided. Once a student is placed in the program, staffing's will be held a minimum of once a year (annual review) and more often if needed. During the course of the year, the resource room teacher will periodically communicate information to the parents of progress made and/or any concerns regarding the student.

Students in the resource room program are eligible to earn .25 credits per semester if the student attends at least 120 class periods during the school year. Students who attend the resource room for an academic class (example: math, English, science, social studies, etc.) will receive one full credit for that class but such time for that particular class would not count towards the 120 class periods mentioned above. The 120 or more class periods will be recorded on the report card as STUDY SKILLS. S (satisfactory) or U (unsatisfactory) will be used for marking study skills on the student's report card.