

# Wilber–Clatonia Jr/Sr High School

## Course Description Catalog

### 2024-2025

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# GRADUATION REQUIREMENTS

English	English 9, 10, 11, 12	40 Credit Hours
Social Studies	American Government plus 20 credit hours from Civics/Economics 9/ American History II, or World History	30 Credit Hours <sup>4</sup>
Mathematics	30 credit hours in grades 9-12 must include Algebra, Geometry, and one other Math course.	30 Credit Hours <sup>6</sup>
Science	Science 9, Biology, plus one other Science course.	30 Credit Hours <sup>3</sup>
Physical Education		10 Credit Hours <sup>2</sup>
Foreign Language/Career Education/Fine Arts		20 Credit Hours
Elective	Must include Personal Finance <sup>7</sup>	80 Credit Hours
Minimum Credits Required		240 Credit Hours <sup>5</sup>

## GRADUATION/COMMENCEMENT EXERCISES<sup>3</sup>

Graduation exercises will be conducted for students who:

- A. Complete their requirements for a course of study  
or  
Complete their final Individualized Education Plan (IEP)
- B. Students must receive the necessary administrative recommendations.
- C. All students will need to meet the graduation requirements to participate in commencement exercises.

Policy Adopted: August 15, 1997<sup>2</sup>

Policy Adopted: August 21, 2000<sup>3</sup>

Policy Adopted: December 20, 2004<sup>4</sup>

Policy Adopted: July 18, 2005<sup>5</sup>

Policy Adopted: June 17, 2013<sup>6</sup>

Policy Adopted: June 17, 2023<sup>7</sup>

# WILBER-CLATONIA GRADUATION PROGRESS WORKSHEET

**ENGLISH – 40 CREDITS**

English 9 _____	English 11 _____
English 10 _____	English 12 _____

**MATH – 30 CREDITS** *(Algebra I and Geometry are required.)*

Algebra I _____	
Geometry _____	

\_\_\_\_\_  
*(Math Elective)*

**SOCIAL SCIENCE – 30 CREDITS** *(American Government is required. Must get 20 credits from the following: Civics/Economics, American History II, and World History.)*

\_\_\_\_\_  
*(Social Studies Elective)*

\_\_\_\_\_  
*(Social Studies Elective)*

**American Government** \_\_\_\_\_

**SCIENCE – 30 CREDITS** *(Science 9 & Biology are required. Must have third year of Science.)*

Science 9 \_\_\_\_\_

Biology \_\_\_\_\_

\_\_\_\_\_  
*(Science Elective)*

**PHYSICAL EDUCATION – 10 CREDITS** *(PE 9/ Health & Wellness is required.)*

**PE 9/ Health & Wellness** \_\_\_\_\_

**PERSONAL FINANCE – 5 CREDITS** *(Required.)*

**Personal Finance** \_\_\_\_\_

**Foreign Language/Career (Voc) Education/Fine Arts – 20 Credits**

\_\_\_\_\_  
*(Foreign Lang/Vocational /Fine Arts Elective)*

\_\_\_\_\_  
*(Foreign Lang/Vocational /Fine Arts Elective)*

**ELECTIVES – 75 CREDITS** *(If a student takes more than required in a core class, it goes towards elective credits.)*

**TOTAL CREDIT SUMMARY – 240 CREDITS REQUIRED TO GRADUATE**

	<u>Sem. 1</u> <u>Credits</u>	<u>Sem. 2</u> <u>Credits</u>	<u>Total</u> <u>Credits</u>	<u>Cumulative</u> <u>Credits</u>
9th Grade	_____	_____	_____	
10th Grade	_____	_____	_____	_____
11th Grade	_____	_____	_____	_____
12th Grade	_____	_____	_____	_____
			<b>TOTAL:</b>	

<b>FRESHMAN YEAR ELECTIVES</b>	<b>1st Semester</b>	<b>2nd Semester</b>	<b>Notes:</b>
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
<b>Total Elective Credits</b>	_____	_____	

<b>SOPHOMORE YEAR ELECTIVES</b>	<b>1st Semester</b>	<b>2nd Semester</b>	<b>Notes:</b>
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
<b>Total Elective Credits</b>	_____	_____	

<b>JUNIOR YEAR ELECTIVES</b>	<b>1st Semester</b>	<b>2nd Semester</b>	<b>Notes:</b>
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
<b>Total Elective Credits</b>	_____	_____	

<b>SENIOR YEAR ELECTIVES</b>	<b>1st Semester</b>	<b>2nd Semester</b>	<b>Notes:</b>
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
Elective _____	_____	_____	
<b>Total Elective Credits</b>	_____	_____	

# TYPICAL 4-YEAR COLLEGE ADMISSION REQUIREMENTS\*

## UNL Admission Requirements

Category	Units	Requirements
ENGLISH	4	<ul style="list-style-type: none"> <li>All units must include intensive reading &amp; writing experiences</li> </ul>
MATHEMATICS	4	<ul style="list-style-type: none"> <li>Algebra</li> <li>Algebra II</li> <li>Geometry</li> <li>One additional unit that builds on knowledge &amp; concepts Learned in Algebra II</li> </ul>
SOCIAL SCIENCE	3	<ul style="list-style-type: none"> <li>1 unit drawn from American and/or world history</li> <li>1 additional unit drawn from history</li> <li>American government and/or geography</li> <li>a 3rd unit drawn from any social science discipline</li> </ul>
NATURAL SCIENCE	3	<ul style="list-style-type: none"> <li>At least 2 units selected from :               <ul style="list-style-type: none"> <li>biology</li> <li>chemistry</li> <li>physics</li> <li>earth/physical sciences</li> </ul> </li> <li>1 unit must include laboratory instruction</li> <li>Anatomy/physiology counts as a unit</li> </ul>
FOREIGN LANGUAGE	2	<ul style="list-style-type: none"> <li>Both units must be in the same language</li> <li>Students who are unable to take 2 years of foreign language In high school may still qualify for admission</li> <li><b>NOTE:</b> Some University of Nebraska-Lincoln degree programs require the equivalent of 4 years of high school foreign language in the same language in order to graduate.</li> <li>View foreign language requirements by degree at:  <a href="http://admissions.unl.edu/nebraska/foreign-language-req.aspx">http://admissions.unl.edu/nebraska/foreign-language-req.aspx</a> </li> </ul>

\* Requirements listed are only an example of the typical requirements to gain admission into a 4-year University. Please contact the school you are considering or visit their website for the most up to date Requirements.

# MIDDLE SCHOOL COURSE DESCRIPTIONS

## JUNIOR HIGH BAND

**Length/Offered:** Year

**PS:** 129931

**Level:** 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup> Grades

**NDE:** 120500 INSTRMUSIC

Junior high band meets every other day and is offered to all students who are proficient on a traditional concert band instrument. Students who have not previously been in band but would like to join will be asked to take private lessons with the director.

Junior High band members are expected to participate in the summer band program. The Junior high band performs at Czech Days, three home concerts, Milford music contests, and has the option to play with the high school pep band throughout the year.

## JUNIOR HIGH CHOIR

**Length/Offered:** Year

**PS:** 129930

**Level:** 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup> Grades

**NDE:** 120400 VOCALMUSIC

Junior High Choir introduces a seventh grade student to choral singing and continues through the eighth grade. Students are given the opportunity to sing in unison, two part, three part and some four part music. JH Choir is a non-auditioned choir, meaning any one can sign up for the class, no strings attached. Choral music from all style periods is studied, including songs in foreign languages. There is a special emphasis on musical growth through music literacy as an individual and as an ensemble. Music Literacy is the ability to read and understand music first aurally, then visually. Development of high standards of musicianship is pursued through the performance of quality choral music. This is an optional course, so students are expected to try their best and work well with others.

## 6<sup>TH</sup>, 7<sup>TH</sup>, & 8<sup>TH</sup> GRADE PHYSICAL EDUCATION

**Length/Offered:** Semester

**PS:** 081346 & 081347

**Level:** 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup> Grades

**NDE:** 080200 PHYS ED I

**Physical Education:** This course is designed to promote the fundamentals of skill development through the use of modified sport with the aim at developing skills needed for proper physical development. It allows students to achieve mature form in the basic skills of weight lifting, running, sport, and fitness with an emphasis on coordination, balance, gross and fine motor skills, cardiovascular and muscular strength and endurance. Students demonstrate the use of tactics like good sportsmanship, positive attitude, cooperation, teamwork, and effort within sport activities. They participate regularly in moderate to vigorous physical activities daily, placing a lifelong participation in physical fitness. Students will be assessed on personal fitness throughout the semester.

**Health Education:** This course is designed to develop the knowledge on Health Education. Health concepts will be taught throughout the course including the areas of nutrition, personal hygiene, fitness and exercise, drugs and alcohol, wellness, and lifestyle skills. These will be taught with weekly and semester assessments to test knowledge. Health education is focused to help aid in the development of the young adults in 7<sup>th</sup> and 8<sup>th</sup> grade. It will help prepare them for other courses in health education and further expand their knowledge on health information.

The intent of this program is to enable each student to enjoy physical activity through improved fitness levels and better understanding of each recreational and health activity.

## 6TH GRADE

### **LANGUAGE ARTS 6**

**Length/Offered:** Year

**PS:** 0317\_6

**Level:** 6<sup>th</sup> Grade

**NDE:** 050802 LANG MG I

This course includes experiences that engage students in using language for a variety of reading, writing, speaking, and listening purposes designed to help students expand, develop, and apply the skills introduced in the elementary grades.

### **MATH 6**

**Length/Offered:** Year

**PS:** 0311\_6

**Level:** 6<sup>th</sup> Grade

**NDE:** 112800 MATH MG I

This course includes experiences that include practice in numeration, computation, estimation, problem solving, geometry/special concepts and measurement. It introduces algebraic and statistical concepts and provides opportunities for students to develop understanding of the structure of mathematics.

### **SOCIAL STUDIES 6**

**Length/Offered:** Year

**PS:** 0315\_6

**Level:** 6<sup>th</sup> Grade

**NDE:** 150011 SOC MG I

The study of curriculum and experiences from one or all of the following: history, geography, economics, citizenship, government, cultural studies, and current events. Use this code for the first course in Social Studies at the middle grades/junior high.

### **SCIENCE 6**

**Length/Offered:** Year

**PS:** 0313\_6

**Level:** 6<sup>th</sup> Grade

**NDE:** 130801 SCI MG I

The study of topics from the biological, physical, and earth sciences. Learning experiences involve students in observing, exploring, discovering and experimenting for purposes of achieving understanding of how scientists work and what they know about the universe.

### **READING 6**

**Length/Offered:** Year

**PS:** 0318\_6

**Level:** 6<sup>th</sup> Grade

**NDE:** 050800 READ MG I

This course includes experiences designed to help students expand, develop, and apply reading skills introduced in the elementary grades. This includes reading both for information and enjoyment.

### **ART 6**

**Length/Offered:** Semester

**PS:** 0302\_6

**Level:** 6<sup>th</sup> Grade

**NDE:** 020800 ART MG I

The curriculum includes activities and experiences designed to develop skills in working with a variety of artistic techniques, processes, and media. The curriculum relates art to the individual student, culture, history, and to other curricular areas.

## **ADOLESCENT DEVELOPMENT 6**

**Length/Offered: Semester**

**PS: 03\_6**

**Level: 6<sup>th</sup> Grade**

**NDE: 260200 ADOLE DEV**

A course which focuses on helping adolescents better understand the aspects (social, emotional, physical, intellectual) of their own developmental stage. Topics such as self-concept; building self-esteem, establishing and maintaining positive relationships and communications with peers and adults; and assuming responsibility and independence would be included. The Skills for Adolescence/Quest program is one example of this course. The Second Step Curriculum is used to guide the course. If the course is focused more specifically towards the disciplines of family and consumer sciences, health, or social science, it should be included in the other category for that discipline.

## **TECH 6**

**Length/Offered: Semester**

**PS: 0303\_6**

**Level: 6<sup>th</sup> Grade**

**NDE: 050800 INTRO MG I**

A course which focuses on the Google Educational Suite of programs made available to WC students. The focus is on using these tools to become a better, more organized student. Time is also spent on learning the basic skills needed to write code.



## 7TH GRADE

### **ENGLISH 7**

**Length/Offered:** Year

**PS:** 059930

**Level:** 7<sup>th</sup> Grade

**NDE:** 050001 LANG ARTS

The objective of English 7 is three-fold: 1) to explore the English language through the study of grammar; 2) to develop skills in using the English language through oral and written communication; and 3) to broaden thinking through the study of literature. Grammar units will include the parts of speech, correct usage, and sentence structure. Writing units will begin with the basics of writing and may culminate in the writing of organized paragraphs, poetry, and other creative writing. Life-time skills such as spelling, vocabulary, dictionary usage, note taking, etc. will be taught. An appreciation of literature will be fostered through the reading of short stories, novels, and poetry. Book talk presentations of student-selected novels are an integral part of the classroom multicultural experience. Students will use technology as appropriate and practice the norms of appropriate and responsible behaviors.

### **MATH 7**

**Length/Offered:** Year

**PS:** 110809

**Level:** 7<sup>th</sup> Grade

**NDE:** 112802 MATH MGIII

Math 7 introduces and reinforces the fundamentals to studying mathematics. From this base, we will explore concepts and develop problem-solving skills. Through knowledge and understanding, students develop mathematical reasoning to make deductions and solve problems.

At the end of the course, students should be able to:

- know and demonstrate understanding of the concepts from the four different sections of mathematics (number sense, algebra, geometry, and data).
- use appropriate mathematical concepts and skills to solve problems in both familiar and unfamiliar situations, including those in real-life contexts.
- select and apply general rules correctly to make deductions and solve problems, including those in real-life contexts.

### **GEOGRAPHY 7**

**Length/Offered:** Year

**PS:** 150810

**Level:** 7<sup>th</sup> Grade

**NDE:** 150012 SOC MG II

World Geography concentrates on developing an understanding of our world and its people. The class will consist of an introduction of our world and how to study it; including map skills, use of a globe, an atlas and the computer. These skills and geographical knowledge will be applied to various areas of the world. In addition, various topics and their impact on the world today will be studied (hunger, overpopulation, the environment, etc.).

This course has two sections: Introduction to Civics and Introduction to Consumer Economics. Civics is the study of government systems with the primary focus on democracy at the national, state, and local levels. We will look different Executive, Legislative, and Judicial branch functions and duties as well as citizenship and some early United States history. In Consumer Economics we will look at our economic system through different aspects. Money, banking, careers, interests, and consumer knowledge will all be covered. -

### **SCIENCE 7**

**Length/Offered:** Year

**PS:** 130410

**Level:** 7<sup>th</sup> Grade

**NDE:** 130802 SCI MG II

Science 7 is the second course in an integrated science curriculum. This course gives a foundation for high school science courses. The class will include inquiry based and lecture based learning activities. The units covered include the cell

system; human body systems; reproduction and growth; ecosystems; populations, communities and ecosystems; distribution of natural resources; human impact on the environment; wave and electromagnetic radiation; and electricity and magnetism.

## **ART 7**

**Length/Offered: Semester**

**PS: 029930**

**Level: 7<sup>th</sup> Grade**

**NDE: 020801 ART MG II**

Art 7 students will experience a variety of art mediums while discovering new techniques in producing fine arts. Seventh grade students will understand color theory using various painting mediums. Students will focus on the elements of art when creating their projects. They will produce a variety of two dimensional and three dimensional projects. Seventh grade students will have daily sketchbook assignments to further develop their creativity. This class is designed to inspire creativity in a hands-on format.

## **INDUSTRIAL ARTS 7**

**Length/Offered: Semester**

**PS: 100700**

**Level: 7<sup>th</sup> Grade**

**NDE: 100500 TECH ED**

**Prerequisite:**

**Career CEFOUND**

Industrial Arts 7 covers technology of the present and future as it applies to manufacturing in society today. Areas being covered include lasers, robotics, CO<sub>2</sub> car, alternative energy, hydraulics and pneumatics, bridge building, and electronics. A rocket and woodworking shelf are constructed as a class project.

## **COMPUTER APPLICATIONS 7**

**Length/Offered: Semester**

**PS: 270501**

**Level: 7<sup>th</sup> Grade**

**NDE: 033501 KEYBD APP**

**Prerequisite:**

**Career: CFOUND**

Keyboarding Applications 7 is identified as a foundation knowledge and skill area for all students regardless of career interest. This middle-level course is designed for students to learn touch typing techniques and proper keystroking while continuing to develop composition and proofreading skills as well as speed and accuracy. Students will demonstrate keyboarding proficiency in document formatting. Students will demonstrate acceptable ethical and social behavior while developing keyboarding skills.

## **READING 7**

**Length/Offered: Year**

**PS: 050102**

**Level: 7<sup>th</sup> Grade**

**NDE: 050800 READ MG I**

The objective of Reading/Study Skills/Library Skills-7 is to teach reading, basic library skills, and study skills. In the area of reading, there is a specific emphasis on reading comprehension, identification of main idea and theme, contextual cues, vocabulary building and word attack skills. In study skills students focus on developing good organization skills and study habits as well as a firm foundation in the use of research materials.

**LEADERSHIP 7****Length/Offered: Semester****PS: 059934****Level: 7<sup>th</sup> Grade****NDE: 059934 ENG OTHER**

A course which focuses on helping adolescents develop a better understanding of leadership. Students will specifically talk about various elements of self-leadership including topics about what leadership is, character, commitment, confidence and self talk, dealing with failure, and decision making. Discussions will be aimed at helping students translate their knowledge of self-leadership to improve their own lives, improve their relationships with their peers, and have a positive impact on their family, their school, and their community.

## 8TH GRADE

### **MATH 8**

**Length/Offered:** Year

**PS:** 110299

**Level:** 8<sup>th</sup> Grade

**NDE:** 110299 ALGEBRAPRE

**Prerequisite:** Math 7

This course is a continuation of 7th grade math and an introduction to Algebra. It is a bridge from concrete to the abstract study of mathematics. Topics included are number sense (exponents, integers, expressions), algebra relationship (representing mathematical situations with multi step equations, graphing, inequalities), geometry (exploring the relationships of geometric properties), and data (expand on understanding of statistics). Real world applications are also presented within the course content.

### **ALGEBRA I**

**Length/Offered:** Year

**PS:** 110300

**Level:** 8<sup>th</sup> Grade

**NDE:** 110300 ALGEBRA BE

**Prerequisite:** Math 7

This course is the foundation for high school mathematics courses. It is the bridge from the concrete to the abstract study of mathematics. Topics include simplifying expressions and exponents, evaluating and solving equations and inequalities, graphing and writing linear equations, and probability and data analysis. Real world applications are presented within the course content.

### **ENGLISH 8**

**Length/Offered:** Year

**PS:** 050011

**Level:** 8<sup>th</sup> Grade

**NDE:** 050803 LANG MG II

The objective of English 8 is to provide a continuation of the reading, writing, speaking and listening skills introduced in English 7. A unit on grammar will be covered and then incorporated into the rest of the year. Students will improve their writing skills focusing on the Six Traits of Writing through a variety of small and big writing assignments. Short stories, poetry, novels, nonfiction and fiction will be covered in separate units. Students will work on communication skills by having small presentations throughout the year. Students will use technology as appropriate and practice the norms of appropriate and responsible behaviors.

### **AMERICAN HISTORY 8**

**Length/Offered:** Year

**PS:** 150701

**Level:** 8<sup>th</sup> Grade

**NDE:** 150700 GEOGRAPHY

This course is an introductory level course to early American History. We start with ancient native civilizations and cover up to the Civil war. We spend one full unit talking about early American Government as well. Fourth quarter is a Nebraska History unit with a small dose of Wilber/Saline History thrown in. Students take various field trips around town and are sent out to find some local Nebraska history with their parents. fB

### **SCIENCE 8**

**Length/Offered:** Year

**PS:** 130300

**Level:** 8<sup>th</sup> Grade

**NDE:** 130803 SCI MG III

Science 8 is a class is the third course in an integrated science curriculum. This course gives a foundation for high school science courses. The class will include laboratory and group activities. The units covered include elements and the

periodic table; chemical reactions; forces and motion; genes and heredity; natural selection; history of the Earth; energy in the atmosphere and ocean; climate; and solar system .

### **READING/STUDY SKILLS/RESEARCH SKILLS 8**

**Length/Offered: Semester**

**PS: 059932**

**Level: 8<sup>th</sup> Grade**

**NDE: 050801 READ MG II**

The objective of this course is to reinforce and expand upon ELA skills essential for student success in high school and beyond. Through direct, explicit comprehension instruction, students will learn and apply the SQ3R (Survey, Question, Read, Recite, Review) process as well as Close Reading techniques, while reading classic literature. Study skills such as time management, memorization techniques, test-taking strategies, and best practices for self-directed learning will be covered. Note taking and organizational skills using both traditional and electronic methods will be stressed. Email etiquette, online learning tools, and online safety practices will be highlighted.

### **FOREIGN LANGUAGE 8**

**Length/Offered: Semester**

**PS: 069932**

**Level: 8<sup>th</sup> Grade**

**NDE: 065000 LAN SURVEY**

This is an introductory course giving eighth grade students an insight into the Spanish language and hispanic cultures. This class will be dedicated to understanding the basics of communication and its importance. Students will spend time reading, writing, listening to, and speaking Spanish. Authentic materials such as videos, articles, and online resources will be used in class. By the end of this course students will be familiar with a variety of hispanic cultures and the Spanish language and use this knowledge to appreciate other cultures.

### **CHARACTER EDUCATION**

**Length/Offered: Semester**

**PS: 90506**

**Level: 8<sup>th</sup> Grade**

**NDE: 260200 ADOLE DEV**

**Prerequisite:**

Character Education follows the Six Pillars of Character taken from Character Counts, as well as other various character traits. The traits include trustworthiness, respect, responsibility, fairness, caring, citizenship, honesty, courage, diligence and integrity. Class discussions, role playing, speeches and group projects will be used incorporating one or more of the traits. Character Education is a class focused on allowing students to evaluate their values, choices and reflect on the type of person they are becoming.

### **COMPUTER APPLICATIONS 8**

**Length/Offered: Semester**

**PS: 270502**

**Level: 8<sup>th</sup> Grade**

**NDE: 033422 COMP APP**

**Prerequisite:**

**Career CEFOUND**

This middle-level course is designed to emphasize digital citizenship, basic computer operations, word processing applications, spreadsheet applications, presentation applications, and technology communication tools. Students will master keyboarding skills; compose, create, edit, and format word processing documents; organize and manipulate data in a spreadsheet; and prepare a formal presentation.

### **INTRODUCTION TO AGRICULTURAL CAREERS**

**Length/Offered: Semester**

**PS: 018001**

**Level: 8<sup>th</sup> Grade**

**NDE: 018002 AG CAR LIT**

**Prerequisite:**

**Career CEFOUND**

Introduction to Agricultural Careers is an exploratory course for 8<sup>th</sup> grade students. Students explore a variety of careers in agriculture and gain knowledge and skills about animal science and plant science. Students complete several projects

to learn about agriculture concepts. Classroom and Lab activities are supplemented through SAE and leadership programs and activities.

## **SPEECH 8**

**Length/Offered:** Semester

**PS:**

**Level:** 8<sup>th</sup> Grade

**NDE:**

Speech 8 is an introductory course designed to give 8th grade students foundational skills in effective oral communication. Students will participate in interactive activities, presentations, and practice exercises in order to develop essential public speaking skills, boost their self-confidence, and learn how to express themselves clearly and articulately. The goal for students is to become empowered, confident communicators in various personal, academic, and real world situations.

# HIGH SCHOOL COURSE DESCRIPTIONS

## AGRICULTURE

### INTRODUCTION TO AG, FOOD AND NATURAL RESOURCES

**Length/Offered:** Year

**PS:** 011001

**Level:** 9<sup>th</sup> Grade

**NDE:** 011000 AG/EN-INTR

**Prerequisite:**

**Career:** CEAGFNRS

Introduction to Ag, Food and Natural Resources is the introductory course from the Agriculture, Food and Natural Resources Career Cluster providing a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food and natural resources careers, cluster foundation knowledge and skills, introduction to leadership development, the FFA organization and career exploration. Classroom and laboratory activities are supplemented through Supervised Agricultural Experiences (SAE) and leadership programs and activities.

*\* Students may be required to compete at a District Career Development Event*

### ANIMAL SCIENCE

**Length/Offered:** Semester

**PS:** 011004

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 011004 ANI BIO

**Prerequisite:** Introduction to Ag, Food and Natural Resources

**Career:** CEAGFNRS

Animal Science is a course focusing on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition and care in preparation for an animal systems career. Topics include animal disease, introduction to animal science, animal nutrition, animal science issues, career opportunities and animal evaluation. Classroom and laboratory activities are supplemented through Supervised Agricultural Experiences (SAE) and leadership programs and activities.

*\* Students may be required to compete at a District Livestock Evaluation Contest.*

### COMPANION ANIMALS / VET SCIENCE

**Length/Offered:** Semester

**PS:** 011006

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 011006 COM ANIMAL

**Prerequisite:** Introduction to Ag, Food and Natural Resources

**Career:** CEAGFNRS

Companion Animals provides instruction on animal husbandry topics related to companion animals that are served by a veterinarian. This course includes breeding, grooming, care and marketing of companion animals. Classroom and laboratory activities are supplemented through FFA Contests/ Career Development Events, Supervised Agricultural Experiences (SAE), and leadership programs and activities.

*\* Students may be required to compete at a District Vet Science Contest.*

### AGRIBUSINESS

**Length/Offered:** Semester

**PS:** 011009

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grade

**NDE:** 011009 AGRI BUSN

**Prerequisite:** Introduction to Ag, Food and Natural Resources

**Career:** CEAGFNRS

Agribusiness covers skills necessary for entry into employment or furthering education in an agriculture business. The course includes the study of business organizations, business structures, job applications and interviewing, human relations, marketing, selling, displaying, using business machines, management and entrepreneurship skills. Classroom and laboratory activities are supplemented through Supervised Agricultural Experiences (SAE) and leadership programs and activities.

## **AGRICULTURAL SALES**

**Length/Offered:** Semester

**PS:** 011011

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grade

**NDE:** 011011 AG SA/ENTP

**Prerequisite:** Introduction to Ag, Food and Natural Resources

**Career:** CEAGFNRS

Agricultural Sales covers the fundamentals and techniques of successful selling, developing sales personality and the selling cycle. Classroom and laboratory activities are supplemented through Supervised Agricultural Experiences (SAE) and leadership programs and activities.

## **HORTICULTURE**

**Length/Offered:** Semester

**PS:** 012000

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 011007 HORT

**Prerequisite:** Introduction to Ag, Food and Natural Resources

**Career:**

This class is designed to assist students to see the world around them from a horticulture standpoint. Horticulture is a diverse and exciting field of study with many career opportunities. Students will explore the Horticulture, Nursery Landscape, and Greenhouse Management industries as a science and how it affects the environment around us. They will also identify the importance and the science of propagation. The students will be subject to studies of nutrients, fertilizers, and plant growth regulators within lab practices in the greenhouse. Finally, students will explore management techniques with pest control, by utilizing our greenhouse resources. Students may b

*\* Students may be required to compete at a District Contest relevant to the course work covered in class.*

## **PLANT SCIENCE**

**Length/Offered:** Semester

**PS:** 011008

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 011007 PLANT SCI

**Prerequisite:** Introduction to Ag, Food and Natural Resources

**Career:** CEAGFNRS

This class is designed to give students a broad overview of the types of plants, importance of plants, their uses, and the importance of specific agronomic crops and cash crops to the populations around the world. Students will gain a better understanding of plants, and the production of plants through various exercises including, tests, quizzes, guest speakers, contests, and laboratory experiments. This class is designed to allow students to harness creativity through research and questioning so they may demonstrate the global importance of plants to all civilizations.

*\* Students may be required to compete at a District Soil Evaluation Contest.*

## **SPEECH DEVELOPMENT AND DELIVERY**

**Length/Offered:** Semester

**PS:** 016910

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 019930 AGRI OTHER

**Prerequisite:**

**Career:**

Speech Development and Delivery provides instruction for students to engage in the process of developing different types of speeches such as informative, demonstrative, entertainment, extemporaneous and persuasive. Students will write and deliver each of the different types of speeches after choosing a topic. *Classroom projects are supplemented through District FFA Leadership Skills Event.*

## **LEADERSHIP AND HUMAN RELATIONS**

**Length/Offered:** Semester

**PS:** 017000

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 017000 LEADER

**Prerequisite:**

**Career:** CEAGFNRS

Leadership and Human Relations includes instruction in leadership in a community, leadership concepts/applications, characteristics of an effective leader, characteristics of an effective manager and related practicum. Classroom and laboratory activities are supplemented through Supervised Agricultural Experiences (SAE) and leadership programs and activities.



## FOOD SCIENCE

**Length/Offered:** Semester

**PS:** 014000

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 014000 FOOD SCI

**Prerequisite:** Introduction to Ag, Food and Natural Resources

**Career:**

Food Science is designed to give the student an overview of the food science industry and provide the skills to succeed in this industry. Students will encounter units on nutrition, the chemistry of food, food additives, sanitation, and processing/ food preservation. This course will also take a closer look at the various careers available and cover many organizations that have a direct impact on the food science industry. The student will apply their knowledge learned in the classroom with various activities in the laboratory. Evaluations will include, but are not limited to, written tests along with application in the laboratory. Some hands on activities may include processing jerky and dehydration of other foods. Students may also apply their skills to the use of heat and cold for processing, packaging, labeling and preserving foods.

## LIVE ANIMAL SELECTION/ CARCASS EVALUATION

**Length/Offered:** Semester

**PS:** 011005\_DC

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 011005 FOOD SCI

**Prerequisite:** Introduction to Ag, Food and Natural Resources

**Career:**

This course is designed to provide students an opportunity to become familiar with the Livestock and Meat Industries. Students will practice methods of selection and evaluation of live animals and carcasses, train in selection of breeding animals of economic importance, explore breeds, sex, and age classifications of livestock. Discover live animal caned carcass patterns, survey the live animal and carcass characteristics as well as explain the relative values of retail and wholesale cuts. *\* Students may be required to attend and compete at a District Livestock Evaluation Contest.*

## MEAT SCIENCE

**Length/Offered:** Semester

**PS:** 014001

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 018081 FOOD SCI

**Prerequisite:** Introduction to Ag, Food and Natural Resources

**Career:**

This class is designed for career and technical education students who require all phases and types of competencies in the different meat industries. This course will follow the general introduction to the meat industry, its history, the careers available, and the importance of safety and environmental concern. Points of interest intended to encourage the student to explore the production of meat from cattle, pigs, sheep, goats, poultry and various game animals. Students will interact with classmates and animals while testing their knowledge and skills in the classroom and laboratory, by identifying various cuts, grading those cuts, and demonstrate an understanding of chemical factors within those cuts of meat. The students will be required to investigate and report on several topics of each species of livestock as we travel together through the wonderful and exciting world of Meat Science. Classroom and laboratory activities are supplemented through FFA Contests/ Career Development Events, Supervised Agricultural Experiences (SAE) and leadership programs and activities. *\* Students may be required to attend and compete at a District Meats Evaluation Contest.*

# ART

## **ART I**

**Length/Offered:** Year **PS: 020100**  
**Level:** 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades **NDE: 020100**  
**Art Fee:** \$15.00  
**Projects:** Varies depending on interest of class

Art 1 is a course that provides a framework for future art classes. The basic building blocks are discovered and demonstrated through a variety of mediums. The language of visual arts is broken down into specific art projects. Vocabulary and design principles are emphasized as part of the art framework. Students will be introduced to a variety of paints and painting techniques which include watercolor, tempera, and acrylic paint. The student's personality and mood may be reflected in each artwork. Students will understand the basic drawing skills, color theory, work with pen & ink techniques. They will also study art history.

## **ADVANCED DRAWING**

**Length/Offered:** Semester **PS: 020200**  
**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades **NDE: 020200 ART II**  
**Prerequisite:** Art 1  
**Art Fee:** \$15.00  
**Projects:** Varies depending on interest of class

This class is designed to enhance students' thinking and creativity beyond the basic drawing techniques that were introduced in Art 1. Students will focus on creating work using observational drawing, life drawing, grid drawing. Throughout the semester students will strengthen their observational skills, proportions, detail work, and pushing values through a variety of drawing projects.

## **ADVANCED PAINTING**

**Length/Offered:** Semester **PS: 020300**  
**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades **NDE: 020300 ART III**  
**Prerequisite:** Art I  
**Art Fee:** \$15.00  
**Projects:** Varies depending on interest of class

This class is designed to enhance students' thinking and creativity beyond the basic painting techniques that were introduced in Art 1. Students will explore different painting movements from history and will create paintings inspired by these movements. Throughout the Semester students will explore a variety of ways in which artists paint; for example using alternative brushes, primed canvas/paper, and hard line painting.

## **ART IV**

**Length/Offered:** Semester **PS: 020400**  
**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades **NDE: 020400 ART IV**  
**Prerequisite:** Art 1, Advanced Drawing, Advanced painting, Ceramics,  
and Creative Techniques  
**Art Fee:** To be determined by projects

Independent study allows the opportunity to explore individual interest in the art realm. This course involves motivation, dedication, and passion for creating/expressing art. All work will be developed in a series; artwork will be analyzed and developed throughout the Semester. On their own the student will show their personality, individuality, and self-expression through their work. Students will be expected to write a one page artist statement explaining their creative process, their inspirations, and the purpose for their art.

## **PHOTOGRAPHY**

**Length/Offered: Semester**

**PS: 020600**

**Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE: 020600 PHOTOGRAPH**

Photography is a semester long course that will introduce the student to photography using digital cameras. The student will learn to control exposure through manipulating the components of the exposure triangle. Post production editing will be taught using readily available freeware.

## **MEDIA PRODUCTION**

**Length/Offered: Semester**

**PS: 270609**

**Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE: 270609 PHOTOGRAPH**

Media Production focuses on creating digital video in a variety of formats. The students will learn how to write, film, and edit different types of productions such as how to videos or PSA's with an eye toward both web and hard copy distribution of the final product.

## **CERAMICS**

**Length/Offered: Semester**

**PS: 029931**

**Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE: 029931 VIS ART OR**

**Prerequisite: Art 1**

**Art Fee: \$20.00**

Ceramics is a Semester long course where students will solely focus on creating with clay. Throughout the Semester the students will explore multiple handbuilding techniques and throwing on the wheel. We will mainly focus on creating functional art pieces.

## **CREATIVE TECHNIQUES**

**Length/Offered: Semester**

**PS: 029933**

**Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE: 029933 VIS ART OR**

**Prerequisite: Art 1**

**Art Fee: \$15.00**

Creative Techniques is a Semester long class where students get to explore a variety of ways to create art. In this class students will experience batik, sculpture, altered books, and fiber arts. In this class we will move beyond the basic drawing and painting to push students to think outside the box.

## **BUSINESS**

### **INTRODUCTION TO BUSINESS, MARKETING, AND MANAGEMENT**

**Length/Offered:** Semester

**PS:** 032300

**Level:** 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 032300 INTROBUSNS

This class is designed as an introductory study of business. Topics of study include, but are not limited to, scope and function of business, basic business concepts, role of business in society, economic system, forms of business ownership, legal and ethical issues in business and career opportunities.

### **PERSONAL FINANCE**

**Length/Offered:** Semester

**PS:** 033000

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 033000 PERSON FIN  
CEFINANC

**Career:**

### **- GRADUATION REQUIREMENT -**

**GRADUATION REQUIREMENT PER NDE:** A course designed to assist students in personal financial management skills. Students learn to manage their resources and make sound personal financial decisions. Units of study include budgeting, credit, insurance, saving, investing, home ownership, banking, taxes, wills and estates.

### **INFORMATION TECHNOLOGY APPLICATIONS I**

**Length/Offered:** Semester

**PS:** 331910

**Level:** 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 270501 ITECH I

**Prerequisite:** Intro to Business

**Career:** CEINFOTE

Students will demonstrate basic skills in the areas of word processing, spreadsheet applications, database applications, electronic presentation, internet use, security issues and electronic communication. Students manage computer operations and file storage, identify ethical issues pertaining to information systems and learn about information technology careers.

### **INFORMATION TECHNOLOGY APPLICATIONS II**

**Length/Offered:** Semester

**PS:** 332910

**Level:** 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 270502 ITECH II

**Prerequisite:** Informational Technology I

**Career:** CEINFOTE

Students will develop skills in advanced word processing and spreadsheet applications as well as integrating applications using word processing, spreadsheet, database and electronic presentation software. Students will develop skills in desktop publishing, including page layout and formatting, and web page development by creating and editing web pages. Students will demonstrate knowledge of advanced operating systems principles, basic computer troubleshooting, internet security issues, ethical issues pertaining to information systems and virus protection.

### **DIGITAL MEDIA**

**Length/Offered:** Year

**PS:** 334910

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 270602 DIG MEDIA

**Prerequisite:**

**Career:** CEAVCOMM

Students will develop skill in the electronic procedures of producing and editing publications. Students will create, format, illustrate, design, layout, edit/revise and print publications including electronically produced newsletters, flyers,

brochures, reports, advertising materials and other publications, including the high school yearbook. Students will demonstrate document composition and communication competencies.

### **DIGITAL DESIGN (DIGITAL MEDIA 2)**

**Length/Offered:** Year

**PS:** 270611

**Level:** 11<sup>th</sup> & 12<sup>th</sup> Grades

**NDE:** 270611 INT DIGTL

**Prerequisite:**

**Career:**

Students will develop skill in the electronic procedures of producing and editing publications. Students will create, format, illustrate, design, layout, edit/revise and print publications including electronically produced newsletters, flyers, brochures, reports, advertising materials and other publications, including the high school yearbook. Students will demonstrate document composition and communication competencies.

### **MARKETING MANAGEMENT**

**Length/Offered:** Semester

**PS:** 038400

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 038101 MARK MGT

Marketing Management class covers topics of the management of college, professional and amateur sports including careers associated with those venues. The course uses concepts, case studies, online simulations, and videos to study management functions, decision making, business strategies, financing, day to day operations, budgets, and legal issues surrounding the sports and entertainment venues.

### **ENTREPRENEURSHIP**

**Length/Offered:** Semester

**PS:** 032600

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 032370 ENTREP

Entrepreneurship is a course designed to teach basic concepts and principles of the risks and rewards of owning a business. Students will learn business concepts to plan, organize, finance and manage a business in today's society. Marketing and finance skills will be covered in-depth about the business ownership. Computer skills will be necessary for this class as students will complete business plans using word processing, spreadsheets, power points, and desktop publishing skills.

### **BUSINESS LAW**

**Length/Offered:** Semester

**PS:** 030900

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 030900 BUSNS LAW

**Prerequisite:**

**Career:** CEBUSMGT

A course designed to present the study of the legal rights and responsibilities necessary to be informed and productive citizens, employees, employers, and consumers in the free enterprise system. Key concepts include contracts and reports, the role of courts, regulation, litigation and constitutional issues including civil and criminal law.

### **ACCOUNTING I & II**

**Length/Offered:** Year

**PS:** 030300

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 030300 ACCT

**Prerequisite:**

**Career:** CEFINANC

This two-semester course covers sole proprietorship accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic financial accounting including recording, summarizing and reporting, principles of income measurement and asset valuation, accounting systems and controls. Students are exposed to careers in the accounting field and are given the

opportunity to perform accounting applications using the computer. An introduction to partnerships and corporations may be included.

### **ACCOUNTING III & IV**

**Length/Offered:** Year

**PS:** 030301

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 030301 ACCT AD

**Prerequisite:** Accounting (Also known as Accounting I/II)

**Career:** CEFINANC

This course includes partnership and corporate accounting, adjustment in inventory control systems, budgetary control systems and further enhancement of accounting skills. Students are exposed to various careers in the accounting field and are given the opportunity to perform accounting applications using the computer.

## ENGLISH

### **ENGLISH 9**

**Length/Offered:** Year

**Level:** 9<sup>th</sup> Grade

**PS:** 050021

**NDE:** 050021 ENG I

#### **- GRADUATION REQUIREMENT -**

The objective of English 9 is to develop skills in using the English language and to broaden thinking skills through the study of literature and critical writing. Grammar units may include: parts of speech, parts of a sentence, proper usage, etc. Life-time skills such as spelling, vocabulary, note taking, study skills, etc. will be taught. Literary units may include the study of: *Romeo and Juliet*, *West Side Story*, novels, short stories, poetry, etc. Student writing will focus on reaction writings and the five paragraph expository theme. Book talk presentations of student-selected novels are an integral part of the classroom multicultural experience. Students will use technology as appropriate and practice the norms of appropriate and responsible behaviors.

### **ENGLISH 10**

**Length/Offered:** Year

**Level:** 10<sup>th</sup> Grade

**PS:** 050022

**NDE:** 050022 ENG II

#### **- GRADUATION REQUIREMENT -**

The objectives of English 10 are to increase reading, writing, speaking and listening experiences as students enter young adulthood. English 10 consists of units including the literary genres of: short story, novel, script, multicultural (as chosen by student for book talk), poetry and essay (both expository and memoir). Writing units will mirror the reading as students will write extensively in at least two of these genres including reflective journals, poetry and/or essay. Vocabulary development will be stressed as well as Standard English (including parts of speech), the Six Traits of Writing, life-skills of organization and time management, and reading comprehension strategies. Speaking, listening and presentation will be accomplished through oral presentations of student developed pieces, book talks, group discussions and cooperative projects. Students will use technology as appropriate and practice the norms of appropriate and responsible behaviors.

### **ENGLISH 11**

**Length/Offered:** Year

**Level:** 11<sup>th</sup> Grade

**PS:** 059931

**NDE:** 050301 AM LIT

#### **- GRADUATION REQUIREMENT -**

The objective of English 11 is to acquaint students with American literature. This survey course examines both classic and contemporary major American writers and literary movements. In addition to the study of short stories and poetry, seminal novels such as *Adventures of Huckleberry Finn*, *To Kill a Mockingbird*, *Of Mice and Men*, etc. may be studied. Student writing will focus on reaction writings, criticisms, and the persuasive five paragraph theme. Life-time skills such as spelling, vocabulary, note taking, study skills, etc. will be taught. Book talk presentations of student-selected novels are an integral part of the classroom multicultural experience. This course is recommended for those students planning on attending a community college, technical or trade school, or entering the work force after high school. Students will use technology as appropriate, and practice the norms of appropriate and responsible behaviors.

## ENGLISH 11 CP

**Length/Offered:** Year  
**Level:** 11<sup>th</sup> Grade

**PS:** 050023  
**NDE:** 050023 ENG III

### **- GRADUATION REQUIREMENT -**

The objective of English 11 College Prep is to acquaint students with classic American literature. This course takes a chronological approach to the study of the major American writers and literary movements. In addition to the study of short stories and poetry, seminal novels such as *Adventures of Huckleberry Finn*, *The Great Gatsby*, *Of Mice and Men*, etc. may be studied. Student writing will focus on reaction writings, criticisms, and the persuasive five paragraph theme. Life-time skills such as spelling, vocabulary, note taking, study skills, etc. will be taught. Book talk presentations of student-selected novels are an integral part of the classroom multicultural experience. This course is recommended for those students planning on attending a four year college after high school. Students will use technology as appropriate and practice the norms of appropriate and responsible behaviors.

## ENGLISH 12

**Length/Offered:** Year  
**Level:** 12<sup>th</sup> Grade

**PS:** 050024  
**NDE:** 050506 APPLD COMM

### **- GRADUATION REQUIREMENT -**

The objective of English 12 is to provide students with school-to-work English skills and knowledge of the use of the language arts in society, especially the workplace. Students will review reading, writing, listening and communication skills including research on a career. Writing will include technical and/or business documents such as letters of application, resumes, memos, etc. Modern literature, theatre and drama, historical literature, multicultural and nuevo journalism will be the reading focus and accomplished through media, presentation, book talks and other means. Public speaking, organizational skills, theatre, and vocabulary will help prepare the student for life-long language arts appreciation (both in personal and professional life) and enable the possibility of successfully completing a two-year college program. Students will use technology as appropriate and practice the norms of appropriate and responsible behaviors.

## ENGLISH 12 CP

**Length/Offered:** Year  
**Level:** 12<sup>th</sup> Grade

**PS:** 050100  
**NDE:** 050024 ENG IV

### **- GRADUATION REQUIREMENT -**

The objective of English 12 College Prep is to acquaint students with British and contemporary literature, and to provide them with writing and research skills required in college. Students will learn fundamental research skills and college writing skills for a formal research paper complete with MLA citation and works cited list. Students will learn through a historical continuum of literary works including *Beowulf*, Chaucer, Shakespeare, Victorian literature and contemporary English writers. Through individual reading, oral presentation and projects, students will learn analysis, evaluation and synthesis of literature. Keeping a notebook, taking notes and test taking strategies will provide study skills needed for higher education. Theatre and public speaking will provide the student with the liberal arts program necessary for college entrance and book talks will provide experiences in multicultural literature. The course is recommended for college bound students. Students will use technology as appropriate and practice the norms of appropriate and responsible behaviors.



## **ADOLESCENT LITERATURE**

**Length/Offered: Semester**

**PS: 050312**

**Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE: 050310 LIT SPEC**

This class is a survey of the various genres of adolescent literature. Emphasis is on evaluation of quality, thematic study and the inter/cross disciplinary uses of young adult literature. Projects will include student presentations, current best sellers, media/literature connections and reflective writing. Students will use technology as appropriate and practice the norms of appropriate and responsible behaviors.

## **COMPOSITION I**

**Length/Offered: Semester**

**PS: 050050**

**Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE: 050050 ENGCOMP**

Composition I strives to teach students writing skills in a variety of structures and styles. The main focuses of the class are proper composition techniques like formatting, editing, and composing, and the use of correct conventions within said areas. Students will be asked to develop skills in brainstorming, sentencing, paragraphing, organizing, and revising for a specific audience or purpose. Scholars will build on these skills through a multi-step process for each composition. Within a semester, they will be able to create both fiction and nonfiction works and experiment with different writing styles. Students will also learn peer-to-peer editing as a way to develop and revise. Composition is recommended for any student planning to attend postsecondary education or looking to better their writing techniques for English and other subject areas.

## **SPEECH**

**Length/Offered: Year**

**PS: 050501**

**Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE: 050501 SPEECH BEG**

The objective of Speech will be on lifetime skills in speaking. This course is both an activities and theory-oriented approach to the study of speech communication focusing on NSAA competitive speech events as well as real world opportunities requiring public speaking skills. Major fields of study may include: the communication process, verbal and nonverbal communication, informative speaking, persuasive speaking, demonstrations and interpretations of prose, poetry and drama. This course is recommended for any student planning to attend any postsecondary education.

## **WORLD MYTHOLOGY**

**Length/Offered: Semester**

**PS: 050311**

**Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE: 050310 LIT SPEC**

This class is a survey of mythology from around the world with emphasis on Greco/Roman mythology, Native American mythology, Norse mythology and Egyptian mythology. Includes thematic study and the inter/cross disciplinary uses of mythology. Projects will include student presentations, mythology in today's world, media and reflective writing. Includes some scholarly archeological reading. Students will use technology as appropriate and practice the norms of appropriate and responsible behaviors.

## **WORLD MYTHOLOGY II**

**Length/Offered: Semester**

**PS: 050313**

**Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE: 050310 LIT SPEC**

**Prerequisite: World Mythology**

This class is a deeper look at the philosophies and historical significance of mythology on the cultures of the world. Projects will include student presentations, creation of media reproductions, and essays. Students will use technology as

appropriate and practice the norms of appropriate and responsible behaviors.

# **FOREIGN LANGUAGE**

## **SPANISH I**

**Length/Offered:** Year

**PS:** 060241

**Level:** 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 060241 SPANISH I

**Prerequisite:**

¡Bienvenidos a la clase de español! This is an introductory course to the study of Spanish and Spanish-speaking countries and cultures. Students will be able to communicate at the basic level of Spanish and become familiar with elements of various Spanish-speaking cultures. The emphasis of this course is placed on the development of the four main modes of language: listening, speaking, reading, and writing. The context is intended to focus on students' lives and experiences and gives them exposure to various Spanish-speaking countries, customs, and lifestyles. Although the main focus is on basic, meaningful communication, grammar is integrated throughout the course. Students will also acquire insight as to how languages and cultures work together by comparing Spanish to their own culture(s). By the end of this course, students will be able to effectively communicate basic sentence structures using the present tense, and express a multitude of things about themselves, objects, and others.

## **SPANISH II**

**Length/Offered:** Year

**PS:** 060242

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 060242 SPANISH II

**Prerequisite:** Spanish I

¡Bienvenidos a la clase de español! This is a low-intermediate course of the study of Spanish and Spanish-speaking countries and cultures. It allows students to communicate fluently in Spanish and to become familiar with more elements of Spanish-speaking countries and cultures. The emphasis of this course is placed on the development of the four main modes of language: listening, speaking, reading, and writing. The context is intended to focus on students' lives and experiences and give them exposure to various Spanish-speaking countries, customs, and lifestyles. Although the main focus is on basic, meaningful communication; grammar is integrated throughout the course. Students will also acquire insight as to how languages and cultures work together through comparing Spanish to their own cultures(s). By the end of this course, students will be able to effectively and comfortably communicate low-intermediate sentence structures using present, preterite, and imperfect tenses to express a variety of contents.

## **SPANISH III**

**Length/Offered:** Year

**PS:** 060243

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 060243 SPANISH III

**Prerequisite:** Spanish II

¡Bienvenidos a la clase de español! This is a high-intermediate course of the study of Spanish and Spanish-speaking cultures. It allows students to communicate fluently in Spanish and to become familiar with more elements of Spanish-speaking cultures. The emphasis of this course is placed on the development of the four main modes of language: listening, speaking, reading and writing. The context is intended to focus on students' lives and experiences, and gives them exposure to various Spanish-speaking countries, customs, and lifestyles. Although the main focus is on basic, meaningful communication; grammar is integrated throughout the course. Students will also acquire insight as to how languages and cultures work together through comparing Spanish to their own culture(s). By the end of this course, students will be able to effectively and comfortably communicate high-intermediate sentence structures using a variety of tenses, and fluidly express content in more than one way.

**This class may be taken for Dual Credit through Nebraska Wesleyan. For more information see the Dual Enrollment section at the back of the book. Additional projects and academic requirements apply.**

## **SPANISH IV**

**Length/Offered:** Year  
**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades  
**Prerequisite:** Spanish III

**PS:** 060244  
**NDE:** 060244 SPANISH IV

This is an advanced study of Spanish and Spanish-speaking cultures. Students will be able to advance to this level with instructor and/or administrators approval, along with having passed Spanish III with an A or a B. This course will help students to communicate fluently in Spanish and to become familiar with more elements of Spanish-speaking cultures. The emphasis of this course is placed on the development of the four main modes of language: listening, speaking, reading, and writing. Through novel study, projects, listening to music and film studies, students will acquire more advanced vocabulary and communication skills in Spanish. The context is intended to focus on students' lives and experiences and gives them exposure to various Spanish-speaking countries' customs and lifestyles. Although the main focus is on basic, meaningful communication, grammar is integrated throughout the course. Students will also acquire insight as to how languages and culture work together through comparing Spanish to their own cultures(s). By the end of this course, students will be able to effectively and comfortably communicate advanced sentence structures using a variety of tenses and fluidly express content in more than one way.

**This class may be taken for Dual Credit through Nebraska Wesleyan. For more information see the Dual Enrollment section at the back of the book. Additional projects and academic requirements apply.**

## INDUSTRIAL ARTS

### **WOODS I**

**Length/Offered:** Year

**PS:** 101900

**Level:** 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 101920 MFG/WOODS

**Prerequisite:**

**Career:** CEMANUFA

Woods I covers hand tools, care and safety; joinery, project planning, wood identification, wood finishing, portable power tools. Power tools will be used to build projects and to learn more advanced project planning and construction. Students will pay for all projects constructed.

### **WOODS II**

**Length/Offered:** Year

**PS:** 100501

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 101921 ADVFAB/WD

**Prerequisite:** Woods I

**Career:** CEMANUFA

Woods II covers hand and power tools, care and safety, joinery, project planning. Power tools will be used to build projects and to learn more advanced project planning and construction. This class will build more advanced projects such as cabinets and desks. Students will pay for all projects constructed.

### **ARCHITECTURAL DRAWING**

**Length/Offered:** Semester

**PS:** 171300

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 100141 ARCH DRAFT

**Prerequisite:**

**Career:** CEARCCON

Architectural Drawing is a combination of architectural and mechanical drafting course. The first quarter is mechanical drafting covering shape description and basic drafting. The second quarter is architectural drafting covering basic home design. The students will draw a complete set of house plans of their own design.

### **COMPUTER DRAFTING – AutoCAD**

**Length/Offered:** Semester

**PS:** 100301

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 100131 IN ARCHIT

**Prerequisite:**

**Career:** CEARCCON

AutoCAD is a combination of architectural and mechanical drafting course. Students will be doing drawing setup, drawing aids while using the object snap and auto tracking. Students will then work on placing text on a drawing, plotting, printing and editing their drawing. When this phase is completed, students will work on creating multiple entities and working with drawing files. Students will also do isometric drawings.

### **CONSTRUCTION TECHNOLOGY**

**Length/Offered:** Year

**PS:** 100100

**Level:** 12<sup>th</sup> Grade

**NDE:** 100120 ADV CONST

**Prerequisite:** Woods class taken prior to senior year

**Career:** CEARCCON

Construction Technology is taught so that students will be ready for an initial level job in the construction field. All materials and tools in the construction field are covered. Related fields covered in class include concrete construction, electrical wiring, shingles, sheetrock, building walls, and plumbing.

## **SMALL ENGINES**

**Length/Offered:** Semester

**PS:** 016000

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 101600 INT TRANS

**Prerequisite:**

**Career:** CETDWL

Students will develop information and skills concerned with the various forms of power including its generation, transmission and utilization.

## **INTRODUCTION TO METALLURGY**

**Length/Offered:** Semester

**PS:** 016001

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 101940 AD WELD

**Prerequisite:**

**Career:** CEMANUFA

Provides experiences in instruction in metals, welding and related careers course includes metal equipment identification/maintenance/safe usage, oxyacetylene, oxyacetylene welding/cutting, arc welding, arc welding/cutting, mig/tig/plasma arc welding/cutting and related practicum.

### **NOTE:**

*All Industrial Art students, with the exception of Industrial Arts 7, are to buy their own safety glasses and provide their own lock for their locker. Students will pay a fee at the end of the year to cover the cost of any tools that are missing.*

# MATHEMATICS

## **ALGEBRA I**

**Length/Offered:** Year

**PS:** 111011

**Level:** 9<sup>th</sup> Grade

**NDE:** 110300 ALGEBRA BE

**Prerequisite:**

This course is the **second half** of the foundation for high school mathematics courses. It is the bridge from the concrete to the abstract study of mathematics. Topics include graphing and writing linear equations, simplifying polynomials and rational and radical expressions and equations, and solving systems of equations. Real world applications are presented within the course content.

## **GEOMETRY**

**Length/Offered:** Year

**PS:** 111200

**Level:** 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 111200 GEOMETRY

**Prerequisite:** Algebra I or Algebra IA and IB

This course is an integration of modern and traditional Geometry. The topics covered include: reasoning, logic, traditional proofs, triangle relationships, linear relationships, similarity, polygons and prisms. A strong foundation in Algebra is needed to be able to solve many of the problems evaluated in this course. Most two year post high school programs recommend this course. All four year post high school programs require this course for admission.

## **APPLIED MATH**

**Length/Offered:** Year

**PS:** 110501

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 110501 APPLDMATHI

**Prerequisite:** Algebra I or Algebra IB

This course covers topics from the core standards that are covered on the Nebraska State Accountability Test and personal and business related mathematics. Topics include, basic measurement, estimation, computation, formula use, statistics, problem solving, and finances. Applied Math is designed for students who are preparing for a two year post high school course. It is not recommended for students that have already completed Algebra 2 or who are interested in a four year college program.

## **ALGEBRA II**

**Length/Offered:** Year

**PS:** 110306

**Level:** 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 110306 ALGEBRA AD

**Prerequisite:** Algebra I or Algebra IB

Algebra II builds upon topics from Algebra I. More advanced algebraic concepts are explored including inequalities and the following types of functions: quadratic, polynomial, rational, radical, and logarithmic. Throughout the course, students will also learn how to apply these topics to real life situations. Most four year post high school programs require this course for admission.

## **PRE-CALCULUS**

**Length/Offered:** Year

**PS:** 112910

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 111300 PRE CALC

**Prerequisite:** Algebra II

Pre-Calculus is an application of upper level Algebra II concepts. Topics that will be covered include analytical geometry, trigonometry, and the following types of functions: polynomial, rational, exponential, quadratic and logarithmic. This class is for students preparing for a four-year college or a career that involves upper level mathematics.

## **CALCULUS**

**Length/Offered:** Year

**PS:** 110600

**Level:** 12<sup>th</sup> Grade

**NDE:** 110600 CALCULUS

**Prerequisite:** Pre-Calculus

Calculus is the mathematics of objects in motion or undergoing change. This class uses an applied approach along with the foundation built in Algebra I, Geometry, Algebra II and Pre-Calculus to develop a mathematical understanding of derivatives, integrals, and limits. This class also explores how these topics relate to different areas of economics and real life situations. This class is recommended for students preparing for a career that involves upper level mathematics.

## **TRIGONOMETRY**

**Length/Offered:** Semester

**PS:** 110910

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 111600 TRIG

**Prerequisite:** Algebra II

This course is a higher mathematics elective. Trigonometry uses the techniques that students have previously learned from the study of algebra and geometry. The trigonometric functions studied are defined both geometrically and algebraically. Students should have a clear understanding that the definition of the trigonometric functions is made possible by the notion of similarity between triangles. Graphing utilities are used to enhance learning and scientific calculators are used in finding the value of trigonometric functions and their inverses.

## **PROBABILITY AND STATISTICS**

**Length/Offered:** Semester

**PS:** 111700

**Level:** 12<sup>th</sup> Grade

**NDE:** 111700 STATISTICS

**Prerequisite:** Algebra II, Geometry

This course offers probability and statistical content to students preparing for four-year or technical college experiences. The course includes the following: frequency distributions and graphs, data description, probability and counting rules, discrete probability distributions, the normal distribution, confidence intervals and sample size, correlation and regression, and hypothesis testing.



## MUSIC

### **BAND**

**Length/Offered: Year**

**PS: 120500**

**Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE: 120500 INSTRMUSIC**

High School band meets daily and is offered to all students who are proficient on a traditional concert band instrument. Students who have not previously been in band but would like to join will be asked to take private lessons with the director.

Students will perform a wide array of musical styles relevant to the wind band ensemble and focus on skills that will best improve their proficiency on the assigned instrument. In addition to the home concert band concerts, the high school band will also be expected to perform at district music contest, all home football games, potential state and district football playoff games, a minimum of five basketball games or double headers, and potential district or state basketball playoff games.

### **CONCERT CHOIR**

**Length/Offered: Year**

**PS: 120400**

**Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE: 120400 VOCALMUSIC**

Concert Choir is a non-auditioned choir, meaning any one can sign up for the class, no strings attached. Choral music from all style periods is studied, including songs in foreign languages. There is a special emphasis on musical growth through music literacy as an individual and as an ensemble. Music Literacy is the ability to read and understand music first aurally, then visually. Development of high standards of musicianship is pursued through the performance of quality choral music. This is an optional course, so students are expected to try their best and work well with others. This group performs extensively through the school year. The following performances are mandatory: Veterans' Day Concert, Fall and Winter Concerts, Pre-District Music Contest, District Music Contest, and the Honors Concerts. There are other Honor Choir opportunities throughout the school year outside of Wilber-Clatonia. There are also other choral groups available outside of class time, ask the teacher for details.

### **GUITAR I**

**Length/Offered: Year**

**PS:**

**Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades**

**NDE:**

Guitar I meets daily and is designed to provide a musical introduction to playing the acoustic guitar. No previous musical knowledge or experience is required! Through in-class instruction, individual practice, and performances, the students will advance in their understanding of music and guitar pedagogy. Students will learn the history of the guitar, correct posture and playing technique, and how to read tablature, chord symbols, and standard notation. Students will play many different styles of music including folk, classical, rock, pop, and country. Participation in one concert per semester is required. Learning to play the guitar can be a healthy outlet for students to express their emotions during their time at school and throughout their lives and can be an enriching and rewarding experience for all students.

## **GUITAR II**

**Length/Offered:** Year

**PS:**

**Level:** 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:**

Guitar II meets daily and is designed to introduce students to advanced guitar techniques, work on ensemble playing, and improve proficiency in skills learned in the guitar I class. Students must complete guitar I to enroll in guitar II and may take the class for multiple years. Students will learn and perform a variety of music from various genres, cultures and time periods. This ensemble will perform at two concerts a semester. Playing the guitar can be a healthy outlet for students to express themselves and working as an ensemble is a skill that can be transferred into their future careers. It is also a lot of fun!

# **HEALTH & PHYSICAL EDUCATION**

## **PE 9 HEALTH AND WELLNESS**

**Length/Offered:** Year

**PS: 081345**

**Level:** 9<sup>th</sup> Grade

**NDE: 080300 PHYS ED II**

### **- GRADUATION REQUIREMENT -**

This course is designed to promote behaviors of healthy lifestyle choices and improved quality of life. It is aligned to the Nebraska Health Standards. The units of study are: physical, mental and social health, drugs/alcohol, body systems, nutrition and fitness, sexual health and self-care will be learned throughout the year. They will be assessed on knowledge through tests, quizzes, projects, and in class discussions.

Students will demonstrate the ability to perform basic and advanced skills and tactics to participate in activities. Students will learn the basic fundamentals of weight training techniques to obtain optimal physical fitness. This course will be split with 3 days of physical activity and 2 days of health each week. Monday, Wednesday, Friday will be PE days; Tuesday and Thursday will be Health days. Students will be assessed on personal fitness 3-4 times a year.

## **BASIC STRENGTH & SPEED TRAINING**

**Length/Offered:** Year

**PS: 081341**

**Level:** 10<sup>th</sup> Grade

**NDE: 080601 STR TRNG**

**Prerequisite:** PE 9 Health and Wellness

This course is designed for students with some experience in the weight room who would like to benefit from it. The mission of W-C Strength & Speed is to develop a system that provides long-term athletic development through high quality movement patterns, leading to improved strength, speed, and reduction of injuries. It is a beginning weight training class. Students will improve upper and lower body strength through proper lifting and spotting fundamentals. Students will be in the weight room working on resistance training three days a week and in the gym on recovery days working on speed related exercises two days a week. They will learn health and exercise related topics through a health portion on recovery days. Students will learn to make connections between anatomy and weight training. Students will perform activities to aid in speed, agility, and endurance as well as assess self and others on technique. They will be assessed on personal fitness and weight training 2 times a year as we will track data everyday throughout the school year.

## **STRENGTH & SPEED TRAINING I**

**Length/Offered:** Year

**PS: 081342**

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE: 089930 PHYSED OTH**

**Prerequisite:** Basic Strength Training & Conditioning & passed class with grade of A or B

This course is designed for students who want to advance their knowledge and skills in the weight room; especially those who are out for a sport. The mission of W-C Strength & Speed is to develop a system that provides long-term athletic development through high quality movement patterns, leading to improved strength, speed, and reduction of injuries. Students will apply prior knowledge of weight training techniques and procedures learned in Basic Strength & Speed Training. Students will continue to improve their upper and lower body strengths. Students will improve upper and lower body strength through proper lifting and spotting fundamentals. Students will be in the weight room working on resistance training three days a week and in the gym on recovery days working on speed related exercises two days a week. They will learn health and exercise related topics through a health portion on recovery days. Students will learn to make connections between anatomy and weight training. Students will perform activities to aid in speed, agility, and endurance as well as assess self and others on technique. They will be assessed on personal fitness and weight training 2 times a year as we will track data everyday throughout the school year.

## **STRENGTH & SPEED TRAINING II**

**Length/Offered:** Year

**PS: 081343**

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE: 089931 PHYSED OTH**

**Prerequisite:** **BST&C and ST&CI & passed class with grade of A or B**

This course is designed for students who want to continue to advance their knowledge and skills in the weight room; especially those who are out for a sport or would like to continue on in this field after high school. The mission of W-C Strength & Speed is to develop a system that provides long-term athletic development through high quality movement patterns, leading to improved strength, speed, and reduction of injuries. Students will apply prior knowledge of weight training techniques and procedures learned in Basic Strength & Speed Training. Students will continue to improve their upper and lower body strengths. Students will improve upper and lower body strength through proper lifting and spotting fundamentals. Students will be in the weight room working on resistance training three days a week and in the gym on recovery days working on speed related exercises two days a week. They will learn health and exercise related topics through a health portion on recovery days. Students will learn to make connections between anatomy and weight training. Students will perform activities to aid in speed, agility, and endurance as well as assess self and others on technique. They will be assessed on personal fitness and weight training 2 times a year as we will track data everyday throughout the school year.

## **LIFETIME ACTIVITIES**

**Length/Offered:** Year

**PS: 081344**

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE: 080400 PHYSED III**

**Prerequisite:** **PE 9 Health and Wellness**

**Career**

This course is designed to expose students to a variety of games and activities in which they can participate throughout their lifetime to maintain an active healthy lifestyle. Lifetime sports will use basic terms and learn the rules of team activities. Students will be taught to practice safety procedures and use good sportsmanship. Students will be assessed through quizzes and fitness tests. Activities may include pickleball, badminton, volleyball, ping pong, yard games, strength and conditioning, fitness related activities, and other lifetime activities.

# SCIENCE

## **SCIENCE 9 - PHYSICAL SCIENCE**

**Length/Offered:** Year

**PS:** 130400

**Level:** 9<sup>th</sup> Grade

**NDE:** 130300 PHYSIC SCI

### **- GRADUATION REQUIREMENT -**

Science 9 is a required course for graduation that expands on the topics learned in middle school science and focuses on physical and Earth science. The class will include laboratory and group activities. The units covered include the nature of science, motion and forces, energy, electricity and magnetism, waves, matter, atoms, and reactions.

## **BIOLOGY**

**Length/Offered:** Year

**PS:** 130201

**Level:** 10<sup>th</sup> Grade

**NDE:** 130201 BIOLOGY I

### **- GRADUATION REQUIREMENT -**

Biology is a required course for graduation that expands on the topics learned in middle school science. Biology focuses on the life sciences. The class will include inquiry based and lecture based learning activities. The units covered include; what is science, biochemistry, cells and cell processes, genetics, biological evolution, and ecology.

## **BIOLOGY ADVANCED STUDIES**

**Length/Offered:** Year

**PS:** 130202

**Level:** 11<sup>th</sup> (with teacher approval), 12<sup>th</sup> Grades

**NDE:** 130202 BIOLOGY ADV

**Prerequisite:** Science 9 and Biology

Biology II expands the topics in Biology and explores other areas of life science. This course is intended for students planning post-secondary education, but may be useful for those looking at biological sciences, health sciences and agriculture as a career. The topics covered include biochemistry, cells and cell processes, genetics, ecology, the diversity of life, bacteria, protist, fungi, plants, and animals. The topics will be covered using inquiry based learning. Recommended at least a B or teacher approval in Biology and the ability to work both independently and in a group setting.

## **PRACTICAL SCIENCE**

**Length/Offered:** Year

**PS:** 132089

**Level:** 11<sup>th</sup>, 12<sup>th</sup> grade

**NDE:** 139930 SCI OTHER

Practical Science explores the areas of physical, earth, and life science. The class will include inquiry based, lecture based, and group based activities. This course is intended for any student. The topics covered are matter, forces and motion, energy, ecology, and environmental science issues.

## **CHEMISTRY**

**Length/Offered:** Year

**PS:** 130301

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 130301 CHEM I

**Prerequisite:** Science 9, Biology, Algebra I, & Geometry  
(Algebra II Recommended)

Chemistry is a college preparatory course intended for students planning for a four year college degree or a technical degree in the science or health fields. The class will prepare you for the first semester and part of the second semester of general chemistry in college. Topics covered include: matter, structure of the atom, the periodic table, chemical bonding, chemical reactions, stoichiometry, gas laws, VSEPR theory and acid base chemistry. The class is taught in a lecture format, with homework and labs.

## **PHYSICS**

**Length/Offered:** Year

**PS:** 130303

**Level:** 11<sup>th</sup> (with teacher approval), 12<sup>th</sup> Grades

**NDE:** 130303 PHYSICS I

**Prerequisite:** Successful Completion (B or better) in Science 9 and Biology, Algebra I and II, Geometry, and Trigonometry

Physics is a college preparatory class that deals with matter and energy, and their transformations. Topics to be covered include: scientific handling of measurements, vectors, motion and forces, momentum, gravity, electricity, heat, sound and light. Laboratory work is used to reinforce the fundamental properties discussed in lecture. Problem solving skills are taught and an emphasis is placed on the application of learned material. Inquiry based learning is also a focus. This class requires very good math skills.

## **ANATOMY AND PHYSIOLOGY**

**Length/Offered:** Year

**PS:** 130210

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 130210 ANAT/PHYS

**Prerequisite:** Science 9 and Biology

Anatomy and Physiology concentrates on the structure and function of the human body. This course is intended for students planning for a four year college degree or a technical degree in the science or health fields. Dissection of fetal pigs is part of this course to enhance human anatomy. The major organ systems will be covered in units that include levels of organization, support and movement, the human life cycle, absorption and excretion, transport, and integration and coordination. Recommended at least a B or teacher approval in Biology along with good study and memorization skills.

# SOCIAL STUDIES

## **CIVICS**

**Length/Offered:** Semester (Fall Semester)

**PS:** 150821

**Level:** 9<sup>th</sup> Grade

**NDE:** 150820 AMER HIST

This course is the study of government systems with the primary focus on democracy at the national, state, and local levels. We will look at different Executive, Legislative, and Judicial branch functions. We will also look at the duties and responsibilities of citizens as well as how constitutional principles apply to current issues.

## **ECONOMICS**

**Length/Offered:** Semester (Spring Semester)

**PS:** 150821

**Level:** 9<sup>th</sup> Grade

**NDE:** 150820 AMER HIST

This course is designed to help students make decisions and understand economic principles as applied to current events and issues. Emphasis is placed on the allocation of resources, economic systems, economic institutions and incentives, markets and prices, market structures, productivity, the role of government, and economic indicators. We will also cover the basics of personal finance.

## **AMERICAN HISTORY II**

**Length/Offered:** Year

**PS:** 150822

**Level:** 10<sup>th</sup> Grade

**NDE:** 150820 AMER HIST

This course is the second half of American History beginning with the Civil War and concluding with current issues. Special emphasis is given to making connections between past and current events and analyzing the forces of change. Major topics of discussion include the Civil War, homesteading, immigration, World War II, and the social changes of the 1960s.

## **AMERICAN GOVERNMENT**

**Length/Offered:** Year

**PS:** 151110

**Level:** 12<sup>th</sup> Grade

**NDE:** 151110 AMER GVNMT

### **- GRADUATION REQUIREMENT -**

This course includes topics to give students an understanding of the American political system. Special emphasis is placed on the role of a citizen, the history of democracy, the role of the three branches of government, the local judicial system, local and state governments, and a comparison of global governments and economics.

## **WORLD HISTORY**

**Length/Offered:** Year

**PS:** 150800

**Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 150800 WORLD HIST

This course takes a different approach than most World History classes in that it is based off of something called “Big” History. Where did everything come from? How did we get to where we are now? Where do humans fit in? Where are things heading? These are questions that origin stories of different cultures have addressed for thousands of years. Big History attempts to answer them by examining the entire past of the Universe using the best available ideas from disciplines such as astronomy, chemistry, biology, and history. Throughout the course, you’ll explore different scales of time and space and view human history from new angles. You’ll develop historical research skills, identify and evaluate the effects of past, current, and potential future events and students will analyze how major past and current world events are chronologically connected.

## **HUMANITIES**

**Length/Offered:** Year

**PS:** 150900

**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades

**NDE:** 150900 HUMANITIES

This course is designed to look at the art of being human. The course begins with a look at American culture and ethnicity in our country. It then looks at the various components of human culture including; art, literature, music, dance, drama, architecture, and sports. The year concludes with student presentations on their favorite humanistic activity.

## **SOCIOLOGY**

**Length/Offered: Semester**

**PS: 151300**

**Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade**

**NDE: 151300 SOCIOLOGY**

This course is the study of human interaction. This is a one-semester class that is opposite Current Issues. Sociology focuses on the study of communication among people and their environment, groups, family structure, relationships, crime, aging, and politics. We will also look at multicultural and gender issues and how different groups coexist in the United States. We will use many past and present national and world situations to study and understand where we all fit in the world and how the United States is the world's most diverse country.

## **CURRENT ISSUES**

**Length/Offered: Semester**

**PS: 151314**

**Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade**

**NDE: 151103 MOD PROBS**

Current Issues is the study of the United States and how it fits into a global society. Students will study different factors that make the United States what it is today. We will look at our modern world through politics, healthcare, economics, military, education, family, religion, and many other lenses. We will also discuss career planning and a future beyond high school for the students. Current news and events will be utilized in the class from the local, state, national, and international levels. Public speaking skills and performances will also be included in the course.



# SENIOR DUAL CREDIT AND COLLEGE CREDIT COURSES

All college credit and dual credit classes will need to have the approval of the school administration and parents prior to enrollment with their associated college offering credit. Prior to consideration of any college classes, it is advised that the student and parent check with colleges which they might be considering. This will assure that the college credit will transfer and be useful in the college program in which the student may be interested.

## Dual Credit Options

The following courses are offered at Wilber-Clatonia as Dual Credit options, but may be taken for high school credit only, if preferred. To be taken for dual credit, the student must register with the appropriate school and pay tuition for the course prior to the beginning of class. Registration for classes earning dual credit will be completed in either the spring of the year prior to the first semester offerings or in the late fall of the year prior to the second semester offerings. Tuition is billed by SCC, Peru State College, or Nebraska Wesleyan at the current rate and is the responsibility of the student. Please see Mrs. Shea-Carpenter for the most current rate information.

### **CHEMISTRY II DC**

**Length/Offered:** Year **PS: 130302**  
**Level:** 12<sup>th</sup> Grade **NDE: 130302 CHEM II**  
**Prerequisite:** Chemistry and Algebra II  
**College Equivalent:** Peru State College: CHEM 101, General Chemistry I **5 Credits**

Chemistry II is a two-semester laboratory course designed for the student interested in a career in science, a science related field, or a health careers related field. This course expands on the concepts learned in Chemistry. Additional aspects of chemical reactions including limiting reactants, percent yield, equilibrium, reaction rates, and thermochemistry are considered. Math skills will be frequently used to solve chemical problems. This course will go into much more detail than chemistry and give the students an understanding of the major fields of inorganic chemistry.

This class may be taken for Spring Semester Dual Credit through Peru State College for seniors who have successfully completed Chemistry and Algebra II.

### **SPANISH III**

**Length/Offered:** Year **PS: 060243**  
**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades **NDE: 060243 SPANISH III**  
**Prerequisite:** Spanish II  
**College Equivalent:** Eval **(4 Wesleyan or UNL Credits per semester)**

¡Bienvenidos a la clase de español! This is a high-intermediate course of the study of Spanish and Spanish-speaking cultures. It allows students to communicate fluently in Spanish and to become familiar with more elements of Spanish-speaking cultures. The emphasis of this course is placed on the development of the four main modes of language: listening, speaking, reading and writing. The context is intended to focus on students' lives and experiences, and gives them exposure to various Spanish-speaking countries, customs, and lifestyles. Although the main focus is on basic, meaningful communication; grammar is integrated throughout the course. Students will also acquire insight as to how languages and cultures work together through comparing Spanish to their own culture(s). By the end of this course, students will be able to effectively and comfortably communicate high-intermediate sentence structures using a variety of tenses, and fluidly express content in more than one way.

This class may be taken for Dual Credit through Nebraska Wesleyan. For more information see the Dual Enrollment section at the back of the book. Additional projects and academic requirements apply.

### **SPANISH IV**

**Length/Offered:** Year **PS: 060244**  
**Level:** 11<sup>th</sup>, 12<sup>th</sup> Grades **NDE: 060244 SPANISH IV**

**Prerequisite:** Spanish III

**College Equivalent:** Eval

**(4 Wesleyan or UNL Credits per semester)**

This is an advanced study of Spanish and Spanish-speaking cultures. Students will be able to advance to this level with instructor and/or administrators approval, along with having passed Spanish III with an A or a B. This course will help students to communicate fluently in Spanish and to become familiar with more elements of Spanish-speaking cultures. The emphasis of this course is placed on the development of the four main modes of language: listening, speaking, reading, and writing. Through novel study, projects, listening to music and film studies, students will acquire more advanced vocabulary and communication skills in Spanish. The context is intended to focus on students' lives and experiences and gives them exposure to various Spanish-speaking countries' customs and lifestyles. Although the main focus is on basic, meaningful communication, grammar is integrated throughout the course. Students will also acquire insight as to how languages and culture work together through comparing Spanish to their own cultures(s). By the end of this course, students will be able to effectively and comfortably communicate advanced sentence structures using a variety of tenses and fluidly express content in more than one way.

**This class may be taken for Dual Credit through Nebraska Wesleyan. For more information see the Dual Enrollment section at the back of the book. Additional projects and academic requirements apply.**

### **PSYCHOLOGY DC - THROUGH CONCORDIA UNIVERSITY**

**Length/Offered:** Fall Semester

**PS:** 151256\_DLCC

**Level:** 12<sup>th</sup> Grade

**NDE:**

**College Equivalent:** Concordia Psychology 1810, Intro to Psychology

**3 Credits**

This class is a comprehensive study of the principles of human behavior and mental processes. It is an introduction to the science of psychology including the study of learning theory, memory, personality, growth and development, neurological aspects, abnormal behavior therapies, intelligence, motivation, emotion, sensation, perception and theoretical perspectives.

### **SOCIOLOGY DC - THROUGH CONCORDIA UNIVERSITY**

**Length/Offered:** Spring Semester

**PS:** 336

**Level:** 12<sup>th</sup> Grade

**NDE:**

**College Equivalent:** Concordia: Sociology 1010 – Intro to Sociology

**3 Credits**

Introduction to the basic principles of sociology including the study of culture, socialization, social structure, social institutions, investigative behavior, deviance, inequalities and theoretical perspectives.

### **HUMAN DEVELOPMENT ACROSS THE LIFESPAN - DC - THROUGH CONCORDIA UNIVERSITY**

**Length/Offered:** Spring Semester

**PS:** 336

**Level:** 12<sup>th</sup> Grade

**NDE:**

**College Equivalent:** Concordia

**3 Credits**

Introduction to the basic principles of sociology including the study of culture, socialization, social structure, social institutions, investigative behavior, deviance, inequalities and theoretical perspectives.

### **INTRO TO PROFESSIONAL TEACHER EDUCATION - DC - THROUGH CONCORDIA UNIVERSITY**

**Length/Offered:** Spring Semester

**PS:** 336

**Level:** 12<sup>th</sup> Grade

**NDE:**

**College Equivalent:** Concordia

**3 Credits**

Introduction to the basic principles of sociology including the study of culture, socialization, social structure, social institutions, investigative behavior, deviance, inequalities and theoretical perspectives.

## College Credit Options

Public Speaking is offered in our building by an SCC Instructor The sending site is Southeast Community College and the instructor is an SCC faculty member. They are college credit only options. All college credit classes that are not taught by a Wilber-Clatonia instructor will not affect a student's class rank or GPA. Registration with SCC and a textbook is required and are at the student's expense. No minimum ACT is required at this time.

### **PUBLIC SPEAKING DLCC**

**Length/Offered:** Fall Semester

**PS:** 400

**Level:** 12<sup>th</sup> Grade

**NDE:**

**College Equivalent:** SCC Course: **Speech 1110, Public Speaking**

**3 Credits**

Provides both theoretical basis and practical instruction for speaking effectively in public. Emphasis on training in basic speech skills, development of voice, topic selection, audience analysis, speech preparation and organization, researching, strategic and creative language use, effective listening and delivery skills, and common types of public speeches, acknowledging the influence of various cultural and ethnic backgrounds.

### **SOCIOLOGY DC - THROUGH CONCORDIA UNIVERSITY**

**Length/Offered:** Spring Semester

**PS:** 336

**Level:** 12<sup>th</sup> Grade

**NDE:**

**College Equivalent:** Concordia: **Sociology 1010 – Intro to Sociology**

**3 Credits**

Introduction to the basic principles of sociology including the study of culture, socialization, social structure, social institutions, investigative behavior, deviance, inequalities and theoretical perspectives.

### **SENIOR ONLINE LEARNING/ OTHER ONLINE COLLEGE CREDIT OPTIONS**

Other on-line classes may be available for college credit. These classes may be worked into the senior student's schedule as time permits. See Mr. Finley for more information on current offerings.

## Weighted Grades

Weighted credit will be given for the following classes based on the rigor demanded in their completion:

**English 12 CP**

**Calculus**

**Physics**

**The grading scale used is as follows:**

A = 5 points 93 - 100%

B = 4 points 86 - 92%

C = 3 points 78 - 85%

D+ = 1.5 points 75 - 77%

D = 1 points 70 - 74%

F = 0 points 0 - 69%

# ELL & VOCATIONAL TRAINING

## ELL Program Model/Description

The Department of Education will provide programs of English language for students that are English Language Learners (ELL) as required by law by the Nebraska Department of Education Title III Accountability Office. ELL students are those students whose native language is other than English and who have such difficulty speaking, reading, writing, or understanding the English language, as measured by an English language proficiency test. These impediments contribute to the individual's inability to meet state performance levels, to achieve in English instructed classrooms, and to fully participate in society.

Wilber-Clatonia Public Schools has implemented a program model which is a systematic, research-based approach that enables students to meet academic standards using the English Language. Instruction for ELL students will be provided using the following strategies or a combination of them:

### **PULL-OUT STRATEGY**

ELL students leave the classroom part of the day to receive ELL instruction, often focused on grammar, vocabulary, and communication skills.

### **PUSH-IN STRATEGY**

Students are served in a mainstream classroom and the ELL teacher or a para-professional will provide clarification and use ELL strategies to further their acquisition of the English language within the curriculum content.

When necessary, Wilber-Clatonia will employ a different strategy for new comers:

### **NEWCOMER/SHELTERED INSTRUCTION**

Students will leave the classroom for a good portion of the day to receive ELL instruction, acquiring beginning English-language skills in addition to core academic skills. Their native language may be utilized, if available.

## Vocational Training

This course is for those special education students that have been identified as a student that will need some assistance in their transition to the world of work. The objective is to place students in an environment where they can build confidence and learn soft work and job keeping skills. **SKILLS: *Teamwork*** (being cooperative and showing leadership when necessary), ***Communication*** (articulate oneself well, being a good listener, and using appropriate body language), ***Time Management*** (showing up on time and fulfilling expected tasks), ***Flexibility*** (adapting to change), ***Patience*** (accepting criticism and applying lessons learned) and ***Motivation*** (*taking pride in a job well done*).