



# **HIGH SCHOOL**

# **COURSE CATALOG**

A comprehensive guide to CWHS credit requirements,  
available courses and class registration practices.

**2024 - 2025**

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**Empowering Learners.**

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### **Our Mission**

With community involvement, we will empower learners to become contributing members in our changing world.

### **Our Vision**

Education that challenges conventional thinking, prepares all students to compete in a global society, and inspires our students, parents, staff, and community to answer the question, "What if?"

### **Our Guiding Values**

- Gratitude: We provide abundant opportunities to empower students to reach their full potential academically, creatively and socially.
- Responsibility: We foster an environment that allows students, families and community stakeholders to come together for the betterment of our students' education and future.
- Integrity: We share relevant and important information with our students, families and the community to maintain open and productive communication.
- Perseverance:

### **Notice of Nondiscrimination**

The Cherokee Community School District offers career and technical programs in the following service areas: Business Education, Health Occupations Education, Family and Consumer Sciences Education, and Industrial Education. It is the policy of Cherokee Community School District not to discriminate on the basis of race, color, national origin, creed, socioeconomic status, religion, sex, marital status, age, sexual orientation, gender identity, or disability in educational programs or employment.

There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy, please contact:

**Kim Lingenfelter,**  
Equity Coordinator  
*Cherokee Community Schools*  
600 W Bluff St  
Cherokee, Iowa 51012  
**(712)225-6767 or**  
***klingenfelter@ccsd.k12.ia.us***

### **Welcome Students!**

The Cherokee County School District takes great pride in being able to offer students a wide variety of challenging academic courses at Washington High School. The Course Catalog provides information about graduation requirements, course offerings, college requirements, career cluster possibilities, academic opportunities, and various grading issues.

As students plan for life during and after high school, it is crucial that they select appropriate and challenging courses. Each student should review and discuss the different course offerings with their current teachers, counselor, academic advisor, and representatives from colleges they may consider attending. Utilize the "Four Year Schedule Map" and "College & Career Readiness Survey(s)" that you've made with the Academic Advisor to guide your course choices.

We encourage all students to give careful thought to their course elections. Make sure to choose alternative options as well, as classes can fill up quickly.

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# Requirements & Offerings

## Graduation Requirements

- To be eligible to receive a diploma from Washington High School, a student must complete the 49 credit requirements shown to the right.
- Each credit is one semester of 90 days for 5 day/week courses.
- All students must demonstrate mastery of cardio-pulmonary resuscitation (CPR) as required by the State of Iowa.
- Ninth, tenth, and eleventh grade students must be enrolled in a minimum of seven class periods per semester. Twelfth grade students may take fewer than seven class periods if they are on track to complete minimum graduation requirements.
- WHS requires eight semesters of attendance unless early graduation is applied for and granted according to the School Board's policy for early graduation.
- Students taking WITCC courses will receive 1 credit per semester of coursework.

Department	Required Courses	Credits
<b>English</b>	Core English	6
	English Electives	2
<b>Math</b>	Core Math	6
<b>Science</b>	Science 9	2
	Biology	2
	Science Electives	2
<b>Social Studies</b>	Modern American History	2
	World History	2
	Government	1
	Elective	1
<b>Wellness</b>	Health + CPR	1
	Physical Education	4
	Financial Planning	1
<b>Electives</b>	Electives	17

**TOTAL 49**

## Early Graduation

A student who plans to graduate early from WHS must have completed the application process on or before November 1st of the year he/she plans to graduate. The application is available in the Counseling Center.

To be considered for early graduation, a student must have completed the required credits minus the PE credits for the semester they will miss. In addition, the student's parents/guardians, the school counselor and the principal must endorse the petition before the request is recognized. We urge parents and students to analyze and discuss the advantages and disadvantages of early graduation and arrive at a mutually acceptable post graduation plan before making a final decision. School personnel will gladly serve as a resource for responding to questions, providing information, and assisting in discussing concerns. The parents and students must assume the ultimate responsibility for this educational decision.

## Graduation Ceremony

- Students can only participate in the Graduation Ceremony after completing all of the requirements.
- Students approved for Early Graduation may NOT attend Prom, but are able to participate in the Graduation Ceremony. Student participation in the Graduation Ceremony is not required.

## Transcripts

Official transcripts with the school seal will be mailed/uploaded by the high school to schools or agencies upon request of the student or parent. Students requesting transcripts for themselves will receive a copy without the official seal.

**College Now Courses**

Juniors, Seniors and identified TAG Freshmen and Sophomores can participate in College Now courses through Western Iowa Tech Community College. All seniors must be registered for the equivalency of 7 credits (3 college credits = 1 WHS credit). If a college course is failed/dropped after the official college drop date, the student will get a Withdraw Fail (WF) on college and high school transcripts, affecting both high school and college GPA.

Concurrent enrollment courses will need to follow WITCC grading guidelines as these are college classes.

Note: By regulation of the Iowa Department of Education, students are limited to 23 postsecondary credit hours in one academic year.

# Schedule & Course Request Changes

## Course Availability

Attempts will be made to offer all courses described in this Course Catalog. However, low enrollment courses may be cancelled or may be scheduled only in alternate semesters or years. In those cases, students will be notified and meet with the counseling department individually to select alternative courses.

## Dropping & Adding Courses

Students will have five days to add/drop a class during 1st and 3rd quarters and if a student is taking a full schedule (8 out of 8 classes) they are allowed to drop a class up to the 10th week of school; if they are passing the class they are dropping they will receive a withdrawal; if a student is failing the class they want to drop they will take a WF (Withdraw Fail).

In rare circumstances, a schedule change may occur at the discretion of counselor and principal when deemed appropriate through the 10th week of school (Students will receive a withdrawal if they have a passing grade at the change of schedule or an WF (Withdraw Fail) if they have a failing grade). Students who take a withdraw fail, are academically ineligible and will be under the Scholarship Rule of ineligibility for 30 consecutive days.

## Schedule Changes

Changes may be made ONLY for the following reasons:

- Failure in a required course attempted a previous semester
- Approved level changes by teacher and counselor
- Special education placement
- Significant change in college or career planning
- Seniors who need courses for graduation
- Required course not on schedule
- Failure to have necessary prerequisite for a course
- Student already has credit in the scheduled class
- Newly registered student - no previous schedule
- Adding a class which does not disturb the rest of the schedule

Schedule changes will not be made for student convenience. Schedule change forms must be completed and approved before the drop is official.



# Course Offerings

[Grade 9](#)  
[Grade 10](#)

[Grade 11](#)  
[Grade 12](#)

# Grading & Recognition

## Grading System

Grading is part of the way we communicate about students' learning. Grades need to be meaningful and communicate useful information, consistent and based on performance standards, and support learning.

### Letter Grades

A = Excellent

B = Very Good

C = Average

D = Below Average

F = No Credit

P = Pass

I = Incomplete

W = Withdrawal, no credit

N = Audit, no credit

### Grading Scale

A	100 - 93
A-	92 - 90
B+	89 - 87
B	86 - 83
B-	82 - 80
C+	79 - 77
C	76 - 73
C-	72 - 70
D+	69 - 67
D	66 - 63
D-	62 - 60
F	Below 60%

## Grade Point Average

Grade point average is figured by dividing the sum of the grade points earned by the total credits attempted. Grade points for grade given are as follows:

A	4.0
A-	3.67
B+	3.33
B	3.0
B-	2.67
C+	2.33
C	2.0
C-	1.67
D+	1.33
D	1.0
D-	0.67

Grade point average is figured using semester grades and is updated at the end of each semester. All grades earned, except those from an alternative credit program, are used in determining grade point average. Class rank is updated each semester and is based on cumulative grade point average.

### Incomplete Grades

The maximum time allowed to make up an incomplete will be one week. For the 4<sup>th</sup> quarter the deadline is the last teacher workday of the school year. The exceptions to the above deadlines are that seniors must have all work completed by the last school day for seniors and in the event of a prolonged excused absence from school just prior to and/or during the end of the quarter. In extraordinary cases, the administration may waive these deadlines and set a deadline that would be reasonable for circumstance.

# College Admission Requirements

## Minimum Requirements for Admission

	Univ. of Iowa	Iowa State Univ.	Univ. of N. Iowa	South Dakota Univ.	Univ. of Nebraska
<b>English</b>	4 years	4 years	4 years	4 years	4 years
<b>Math</b>	3 years (e)	3 years (e)	3 years (f)	3 years	4 years (g)
<b>Natural Science</b>	3 years	3 years	3 years	3 years	3 years
<b>Social Studies</b>	3 years	2 years (b)	3 years	3 years	3 years
<b>Foreign Language</b>	2 years (a)	2 years (c)	(h)		2 years
<b>Fine Arts</b>				1 year (i)	
<b>Electives</b>			2 years (d)		

- Must complete 4 years to graduate from the university; students who have taken the requisite years in high school have fulfilled these requirements.
- 3 years for College of Liberal Arts & Sciences
- Requirement for College of Liberal Arts and Sciences, and the College of Engineering (3 years of HS Foreign Language will fulfill the college Foreign Language requirement)
- Could be Foreign Language or other core course selections
- 4 years of math for the College of Engineering
- Including Algebra 1, Algebra 2 and Geometry
- Must be Algebra 1, Algebra 2, Geometry & an additional course that builds on concepts learned in Algebra 2
- No foreign language required for admission, but two years of a foreign language is required to graduate from UNI (can be taken in high school or college)
- Recommended but not required

**TO BE SURE OF WHAT ALL THE REQUIREMENTS ARE FOR ADMISSION TO A COLLEGE PLEASE CONTACT THE COLLEGE'S ADMISSION OFFICE TO VERIFY INFORMATION.**

# Student Athlete Information

## RAI Score for admission to any of the three Iowa Regent universities:

- Iowa resident students who achieve at least a 245 RAI score and who meet the minimum high school course requirements are automatically offered admission to any of the three Regent universities.

## Primary RAI Formula

- + Percentile rank X 1
- + ACT composite score X 2
- + Cumulative GPA X 20
- + Number of years of high school core courses X 5

## RAI Score

## RAI Approve Core Courses

### *Regents Admissions Index*

English	Math	Science	Social Studies	World Languages
British Literature	Algebra I	Science 9	American Government	Spanish I
Contemporary Literature	Algebra 1B	Biology	Current Issues	Spanish II
Creative Writing	Algebra 2	Chemistry	Economics	Spanish III
College Prep Writing	Geometry	Human Anatomy & Physiology I and II	Modern American History	Spanish IV
World Literature	Pre-Calculus	Physics	Psychology	
Oral Interpretation/ Acting	Calculus	AP Biology	Sociology	
Novels	Calculus 1 (MAT 211)	Advanced Chemistry	World History	
Mythology	Statistics (MAT 157)			
English I, II, III				

### NCAA / NAIA Information

Athletic ability is a specialty that can make a difference in the college admissions and financial aid process. At most colleges, athletics are regulated by the rules established by the NCAA (National College Athletic Association) or NAIA (National Association of Intercollegiate Athletics). The recruitment and enrollment of college athletes are governed by the NCAA's and NAIA's rules.

To be eligible to participate at the NCAA Division I or II level and NAIA, where full athletic scholarships are awarded students must be certified as eligible by the [www.eligibilitycenter.org](http://www.eligibilitycenter.org) or <http://www.playnaia.org>.

### Suggestions for Student Athletes

- Inform your high school coach and counselor that you are interested in playing that sport in college.
- Register with the NCAA or NAIA Eligibility Center by the end of your junior year.
- Become familiar with the NCAA/NAIA rules regarding the recruitment of athletes.
- Make an appointment with your counselor to assure that you are taking courses approved from an approved core curriculum.

### NCAA Eligibility Center Approved Courses

English Language Arts	Social Sciences	Mathematics	Natural/ Physical Sciences	Additional Core Classes
American Literature	American Government	Algebra I	Anatomy and Physiology I	Spanish I
British Literature	Current Issues	Algebra II	Anatomy and Physiology II	Spanish II
College Prep Writing	Economics	Algebra A (.5 units max)	Biology	Spanish III
English I, II, III	Intro to Psychology	Algebra B (.5 units max)	AP Biology	Spanish IV
Films as Literature	Modern American History	Calculus	Chemistry	
Mythology	Sociology	Geometry	Advanced Chemistry	
Novels	World History II	Pre-Calculus	Physics	
World Literature		College Calculus	Science 9	


[NCAA Eligibility Center Brochure](#)

# Career Explanation


<p><b>Career Clusters</b></p> <p>Today's world is made up of endless career possibilities with new careers fields constantly being created.</p> <p>Our goal at WHS is to help you explore these career possibilities, align them with your interests and skills, and start you down your individual path to success.</p> <p>As a district, we align our career exploration program with the Future Ready Iowa initiative. That means we start with a broad view of career options and provide you with the tools and resources to go deeper as your interest grows.</p> <p>At the highest level, that starts with looking at <b>Career Service Areas</b> - an organizational structure used by the Iowa Department of Education to visualize careers.</p>	<ul style="list-style-type: none"> <li>• Agriculture, Food &amp; Natural Resources</li> <li>• Applied Science, Technology, Engineering &amp; Manufacturing</li> <li>• Business, Finance, Marketing &amp; Management</li> <li>• Health Sciences</li> <li>• Human Services</li> <li>• Information Solutions</li> </ul> <p><b>So, where do you begin?</b> After you identify a general service area or areas that you may have interest in, a good place to start is by checking out the <b>Career Clusters</b> on the following pages.</p>	<p>Career clusters are a great tool for organizing career areas and help give you a guide for the things to consider when planning your future.</p> <p>In each career cluster that follows, you will find:</p> <ul style="list-style-type: none"> <li>• A brief descriptions of the cluster</li> <li>• The career pathways and specific occupations within the cluster</li> <li>• The type of post secondary education required for a sampling of career categories</li> <li>• Recommended coursework to take in high school to be prepared for post- secondary education</li> </ul>
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## Career Clusters by Service Area

### AGRICULTURE, FOOD AND NATURAL RESOURCES

 Agriculture, Food and Natural Resources

### APPLIED SCIENCES, TECHNOLOGY, ENGINEERING, AND MANUFACTURING


 Architecture and Construction

 Manufacturing


 Science, Technology, Engineering, and Mathematics

 Transportation, Distribution, and Logistics

### BUSINESS, FINANCE, MARKETING, AND MANAGEMENT

 Business Management and Administration

 Finance

 Marketing


### HEALTH SCIENCES

 Health Science


### HUMAN SERVICES

 Education and Training

 Human Services

 Hospitality and Tourism

 Government and Public Administration

 Law, Public Safety, Corrections, and Security

### INFORMATION SOLUTIONS

 Arts, Audio/Video Technology, and Communications

 Information Technology

\*For more detailed information about career clusters, opportunities, and pathways, see the School Counselor or Academic Advisor.\*



# Course Descriptions

## ENGLISH

- Core English
- Literature Electives
- English Electives

## MATHEMATICS

- Math Option 1
- Math Option 2

## SCIENCE

- Core Science
- Physical Science
- Life Science
- Science Electives

## SOCIAL STUDIES

- Core Social Studies
- Social Studies Electives

## WELLNESS

## WORLD LANGUAGES

## CTE LEARNING

- Agriculture
- Business & Finance
- Family & Consumer Science
- Industrial Arts
- Brave Designs

## FINE ARTS

- Art
- Band
- Choir

## **WORK BASED LEARNING & CAPS**

## **WITCC COURSES**

- WHS Building
- Cherokee Campus
- Online

## English

<b>CREDITS REQUIRED FOR GRADUATION</b>	<b>8 credits</b> are required for graduation from Cherokee Community School District.
	Credits earned beyond the requirement are automatically counted as Electives.

### CORE ENGLISH

#### ENGLISH I (151)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grade 9

**PREREQUISITE:** none

This is a required one-year English course that includes the coverage of skills such as reading literature, writing various genres, note taking strategies, grammar and structural language building skills, and vocabulary acquisition. Students will consider varying perspectives/themes through a variety of literature and written work. Daily skill builders are required.

#### ENGLISH II (153)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grade 10

**PREREQUISITE:** English 9

In this required year long English class, students will encounter a variety of literature, writing, and film. Students study vocabulary as well as the following forms of literature: short stories, poetry, novels, non-fiction pieces, and plays. Students will also study and produce several forms of writing, including a short story, letters, and a research paper. Daily skill builders focus on proper language usage and writing.

#### ENGLISH III (157)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grade 11

**PREREQUISITE:** English 10

This course will focus on writing, speaking, and American Literature. Students will be writing in a variety of formats, essays, manuscripts, short stories, and poetry. Students will also be learning the art of effective rhetoric through formal and informal speeches. The literature will focus on the genres of poetry, plays, novels, essays, journals, speeches and short stories.

### LITERATURE ELECTIVES

#### MYTHOLOGY (150)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 10-12

**PREREQUISITE:** none

Myths are traditional stories that have endured over a long time. This course will focus on the myths of ancient Greece as a way of exploring the nature of myth and the function it plays for individuals, societies, and nations. We will also pay some attention to the way the Greeks themselves understood their own myths. This course will investigate myths through a variety of topics, including the creation of the universe, the relationship between gods and mortals, human nature, the family, love, madness, and death. *Qualifies only as a Literature elective.*

## CONTEMPORARY LIT (152)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 10-12

**PREREQUISITE:** none

This is an elective course. Students will read contemporary or modern novels, poetry, and short stories that address social justice issues and that are written after 1945. This class will address the features of modern literature and expose students to cultures and perspectives from around the world. This class will be assessed through reflective writing practice and through class discussions. *Qualifies as a Literature Elective.*

## FILMS AS LIT (158)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

Films as Literature is a one-semester elective course. This course is a course designed to examine a film as a piece of literature, and for its cinematic qualities. Students will study various film genres. This class has strong emphasis on 21st century critical thinking skills. Students will be expected to write, film, edit, and produce their own short films. This course will teach students how to use the editing tool in iMovie. Other film projects that will be produced include a PSA, Music Video, etc. *Qualifies only as a Literature elective.*

## COLLEGE PREP LIT (159)

**DURATION:** semester or  
year course

**CREDITS:** 1 or 2

**OPEN TO:** grades 10-12

**PREREQUISITE:** English 9

This is a course designed to help students prepare for college literature. Students will be exposed to various literature such as narrative poetry and prose, dramas, and novels. Students will learn skills that will help them read and write about complex text in a fun-filled and supportive environment. Students will also be exploring literature from different cultures and will be discussing cultural awareness. This course is offered in both the first and second semesters. The semesters are not identical, so a student could take the course all year for 2 credits or they could take the course in the first or second semester for 1 credit.

## ENGLISH ELECTIVES

## ORAL INTERP/ACTING (174)

**DURATION:** semester course  
(fall only)

**CREDITS:** 1

**OPEN TO:** grades 10-12

**PREREQUISITE:** none

This elective course is an introductory course to the stage. This course is designed to help the student feel more comfortable speaking in a variety of public settings. This course will cover improvisation, lip sync participation, Readers Theatre, mime, speech writing and delivery, and combat mime. Activities will include class and public performances. You must participate in order to earn a passing grade. *This qualifies as an English Elective.*

## COLLEGE PREP WRITING (184)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

This class is an elective writing course, which is designed to prepare students to write for a variety of reasons and prepare them for college writing. Topics of essays include: persuasive, argumentative, literary analysis, research, informative, analysis of a visual narrative, a generic scholarship essay, personal narrative, and career readiness documents. Students will also have exposure to several forms of citations, grammar, and vocabulary exercises.

## CREATIVE WRITING (186)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

Students in this course will generate free writing in a journal, study models of good writing, and experiment with poetry, various genres, and prose. Students will develop a sense of speaker and audience. Students will provide positive support for their fellow writers and learn to revise their work using concrete, sensory details and appropriate choice of diction, syntax, purpose, and audience. They will send manuscripts to contests for possible publication.

## PUBLICATIONS (188)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grades 10-12

**PREREQUISITE:** Must have passed English 9 with an 80% and receive teacher approval.

Students will produce the school yearbook. There will be an emphasis on writing style and technique, writing process (revising, and editing), and also production values, organization and deadlines. The students will focus on their writing skills, editing stories, headlines, captions and the basics of production design, layout and printing of a publication. Students will work with several types of technology (digital cameras and photo editing software). Students will also have to work together with other students in the course to make major decisions about the yearbook. Students are also expected to take pictures at school events, outside of class time, and work at 2 concession stands. Students signing up for this class must be enrolled for both semesters.

## CAREER & TECH WRITING (192)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

This introductory course will teach students to communicate in a clear, courteous, concise, complete and correct manner on both personal and professional levels. Competency will be developed in oral, written, interpersonal, technological, and employment communication. Listening skills will be incorporated throughout the semester. Students will survey basic concepts of non-fiction writing. Students will encounter various article formats and work towards developing their voice using various writing styles. This course will prepare students to research, organize, and write persuasively.

## COMMUNICATIONS (160)

**DURATION:** semester course  
(2nd only)

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** none

This is a course designed to help students enhance their communicative skills. This elective course will help students learn interview skills, media skills, and delivering speeches. A variety of projects in the class will include: creating commercials, radio broadcasting/podcast, spontaneous speaking, demonstrative speaking.

## Mathematics

<b>CREDITS REQUIRED FOR GRADUATION</b>	<b>6 credits</b> are required for graduation from Cherokee Community School District.
	Credits earned beyond the requirement are automatically counted as Electives.

### MATH OPTION 1

#### INTEGRATED MATH I (266)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grade 9-12

**PREREQUISITE:** none

This is an integrated course of algebra and geometry. Algebra topics include: equations, inequalities, linear functions, and solving systems of linear equations. Geometry topics include basics of geometry, parallel and perpendicular lines and transformations.

#### INTEGRATED MATH II (254)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grades 10-12

**PREREQUISITE:** Integrated Math I

This is a continuation from Integrated Math I, including algebra and geometry. Algebra Topics include Lines of Fit, Arithmetic and Geometric Sequences, Piecewise Functions, Exponential Functions, Polynomials, Factoring, Data Analysis and Displays. Geometry topics Congruent triangles, Relationships with Triangles, Quadratics and Other Polynomials, and Similarity.

#### INTEGRATED MATH III (157)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grades 10-12

**PREREQUISITE:** Integrated Math II

This is a continuation from Integrated Math II, including topics from algebra and geometry. Algebra topics include Factoring, Solving Quadratic Equations and Solving Radical Functions and Equations. Geometry topics include Probability, Right Triangles and Trigonometry, and Circumference, Area and Volumes.

### MATH OPTION 2

#### ALGEBRA I (260)

**DURATION:** year course

**CREDITS:** 2

Algebra, in addition to its concern of solving mathematical problems, supplies the language and patterns of reasoning used in other branches of mathematics.

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**OPEN TO:** grades 9-12

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**PREREQUISITE:** none

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Besides increasing their ability to organize and solve mathematical problems, most students will be able to solve and think through their own problems better. Topics include Equations, Inequalities, Linear Function, Systems of Equations and Inequalities, Exponents, Polynomials, Factoring Polynomials, and Quadratic functions and equations.

## GEOMETRY (265)

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grades 9-12

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**PREREQUISITE:** Algebra I

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This is an elective math course intended to follow Algebra I. The course is a study of the process of logical thought. Logical thought consists of reaching valid conclusions based on facts special to the given problem as well as previously established facts. The skills learned in the logical pattern of problem solving can be applied to everyday decision-making and problem analysis, as well as to other math and science courses. Topics covered include proof, geometric figures and their properties and relationships, and the algebra of geometry, including review of algebra skills pertinent to this and future math courses.

## ALGEBRA II (270)

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grades 10-12

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**PREREQUISITE:** geometry

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Algebra II is a course intended to follow Algebra I and Geometry. It builds heavily upon skills and concepts from Algebra I. The course emphasizes properties of the real number system, operations with algebraic expressions, functions, graphing, mathematical modeling of problems, problem solving, and communicating mathematics. Extensive work is done with linear functions, quadratic functions, rational expressions, and rational functions, the relationships between functions and their graphs, and solving systems of equations. The real number system is extended to include operations with complex numbers.

## CONSUMER MATH (275)

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grade 12

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**PREREQUISITE:** 2 full years of math

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This course familiarizes the student with basic arithmetic operations (particularly percent) and then, using these operations, deals with some of the problems that everyone encounters in daily life. Some of these include: earned income, interest and interest rates, savings and checking accounts, budgets, installment buying, automobile ownership and operation, insurance (fire, life, automobile, health, and accident), taxes (real estate, sales, income, 1040EZ form), investments, social security, and reading graphs and tables. This is not a college prep course.

## PRE-CALCULUS (280)

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grades 11- 12

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**PREREQUISITE:** algebra II

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This course combines the study of Trigonometry, Elementary Function, & Math Analysis topics as preparation for Calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rotational, trigonometric, & circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solution of right and oblique triangles; vectors, sequences, & series.

## CALCULUS (284)

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**DURATION:** semester course (fall only)

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This is an elective math course intended to follow Algebra I. The course is a study of the process of logical thought. Logical thought consists of reaching valid conclusions based on facts special to the given problem as well as previously established facts. The skills

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**CREDITS:** 1

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**OPEN TO:** grade 12

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**PREREQUISITE:** pre-calculus &  
adequate score on College  
Placement Exam

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learned in the logical pattern of problem solving can be applied to everyday decision-making and problem analysis, as well as to other math and science courses. Topics covered include proof, geometric figures and their properties and relationships, and the algebra of geometry, including review of algebra skills pertinent to this and future math courses.

## Science

<b>CREDITS REQUIRED FOR GRADUATION</b>	<b>6 credits</b> are required for graduation from Cherokee Community School District.
	Credits earned beyond the requirement are automatically counted as Electives.

### CORE SCIENCE

#### EARTH & PHYSICAL SCIENCE (300)

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grade 9 requirement

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**PREREQUISITE:** none

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This physical science course presents an introduction to earth science, astronomy, chemistry and physics using a hands-on conceptual learning approach. Topics will include the meaning of science, measurement, scientific investigation, matter, atomic structure, chemical bonds, chemical reactions, motion, forces, energy, and engineering through space and Earth sciences. Students work in cooperative learning groups doing both the lab and lecture, and research components.

#### BIOLOGY (305)

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grade 10 requirement

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**PREREQUISITE:** science 9

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Biology is the study of living things. Topics studied include: scientific method, basic biochemistry, molecular and cellular biology, ecology, genetics and biotechnology, evolution, and a survey of the plant and animal kingdoms.

### PHYSICAL SCIENCE

#### NATURAL RESOURCES & ECOLOGY (309)

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grades 9-12

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Students will explore hands-on projects and activities while studying topics such as land use, water quality, stewardship, and environmental agendas. Study of the natural world including biomes, land, air, water, energy use, and care. Students will select an ecosystem to study throughout the course and apply principles of natural resources and ecology from each unit of study to that ecosystem.

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**PREREQUISITE:** none

## **CHEMISTRY (000)**

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grades 11-12

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**PREREQUISITE:** biology and 2 credits of algebra

Chemistry is a college preparatory physical science that deals with the composition and structure of matter and the chemical changes that take place. Some of the areas to be studied will include: The atom and the theory of its structure, the molecule, compounds, including acids, bases and salts, chemical bonding, classification of the elements, chemical reactions including the energy of reactions, gas laws, and the mathematics of chemistry. Recommended for students planning to attend college. *Calculator is required.*

## **ENVIRONMENTAL SCIENCE (313)**

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grades 11-12

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**PREREQUISITE:** biology

Students can expect hands-on student-led projects looking at energy and natural resources, natural disasters, and consumer influence. We will examine the causes, effects, and possible solutions between humans and their ever-changing interaction with the environment. We will explore local, state, national, and global issues relating to the environment using field-collected data and current events.

## **ADVANCED CHEMISTRY (315)**

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grade 12

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**PREREQUISITE:** 2 credits of Chemistry and teacher approval

This college preparatory course is designed for students with a continuing interest in chemistry. Its purpose is to expand the student's knowledge of the areas of chemistry touched on in the first year course and also to consider new topics that time limitations prevented in first year chemistry, such as electro-chemistry, nuclear chemistry, organic chemistry, and qualitative analysis. Future college science majors should take this class. *Calculator is required.*

## **OCEANOGRAPHY (317)**

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grades 11- 12

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**PREREQUISITE:** biology

Oceanography is the study of the physical, chemical, biological, and geologic aspects of the world's oceans and their interactions. The course also focuses on ocean exploration/history, ocean policies with regards to fishing, pollution, and the environment, and why the study of oceanography is important to you.

## **PHYSICS (320)**

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grades 11- 12

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**PREREQUISITE:** geometry & 4  
credits of science

Physics is a college preparatory course that deals primarily with the non-living aspects of nature. Here are some areas which will be studied: measurements- buoyancy - force - motion - energy in the form of heat, light, and electricity. Recommended for students pursuing a career in science or math. *Calculator is required.*

## LIFE SCIENCE

### INTRODUCTORY COLLEGE BIOLOGY (316)

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grades 11- 12

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**PREREQUISITE:** biology

This is a dual-credit combined lecture and lab course that is a survey of biological concepts for non-science college majors. Topics covered include biochemistry, molecular and cellular biology, genetics, evolution, plant and animal classification, and ecology.

### ADVANCED PLACEMENT BIOLOGY (330)

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grade 12

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**PREREQUISITE:** biology & teacher  
approval

This college preparatory course is designed for students with a continuing interest in biology. It is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their freshman year. Approximately 25% of the class will focus on molecules and cells – emphasizing the chemistry of life, cell cycles, cellular respiration, and photosynthesis. Approximately 25% of the class will focus on genetics and evolution – emphasizing inheritance patterns, cellular genetics, and evolutionary patterns. The final 50% of the class will focus on a survey of the plant and animal kingdoms along with ecological relationships. Recommended for students planning to attend college and/or pursue a career in science. ALL students WILL be required to take the Advanced Placement test at the end of the class.

## SCIENCE ELECTIVES

### FORENSIC SCIENCE (314)

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grades 11- 12

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**PREREQUISITE:** biology

Forensic Science is the application of science to the criminal and civil laws that are enforced by police agencies in a criminal justice system. It includes the investigation of fingerprinting, fiber analysis, arson, trace evidence analysis, poisons, drugs, blood spatters, and blood samples. Students are taught the proper collection, preservation, and laboratory analysis of various samples.

## SCIENTIFIC RESEARCH & DESIGN (319)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

Students conceive of, design, and complete projects using scientific inquiry and experimentation methodologies. Emphasis is typically placed on safety issues, research protocols, controlling or manipulating variables, data analysis, and a coherent display of the project and its outcomes. This is NOT a math-based engineering class. The emphasis is on hands-on learning and project building.

## ANATOMY & PHYSIOLOGY I (530) (BIO 168)

**DURATION:** semester course

**CREDITS:** 1 (+4 college credits)

**OPEN TO:** grades 11-12

**PREREQUISITE:** qualifying ACT score, B- or higher in qualifying science class

This is a combined lecture and lab course that explores the relationship between structure and function in the human body. This course covers the skeletal, muscular, integumentary, and nervous systems, as well as cytology and histology. This course is for high school and college credit (4 college credits through Western Iowa Tech Community College).

## ANATOMY & PHYSIOLOGY II (531)

**DURATION:** semester course

**CREDITS:** 1 (+4 college credits)

**OPEN TO:** grades 11-12

**PREREQUISITE:** BIO 168

This is a combined lecture and lab course. It is a continuation of Anatomy and Physiology I. The structure and function of the cardiovascular, lymphatic, endocrine, respiratory, digestive, urinary and reproductive systems are studied. This course is for high school and college credit (4 college credits through Western Iowa Tech Community College).

## INTRODUCTORY COLLEGE BIOLOGY (316)

**DURATION:** semester course

**CREDITS:** 1 (+4 college credits)

**OPEN TO:** grades 11-12

**PREREQUISITE:** Science 9 and Biology

This is a dual-credit combined lecture and lab course that is a survey of biological concepts for non-science college majors. Topics covered include biochemistry, molecular and cellular biology, genetics, evolution, plant and animal classification, and ecology.

## Social Studies

### CREDITS REQUIRED FOR GRADUATION

**6 credits** are required for graduation from Cherokee Community School District. Modern American History is a Grade 9 requirement, World History is a Grade 10 requirement, and Government is a Grade 12 requirement.

Credits earned beyond the requirement are automatically counted as Electives.

## CORE SOCIAL STUDIES

### MODERN AMERICAN HISTORY (355)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grade 9 requirement

**PREREQUISITE:** none

Students will cover the following historical events: Progressivism, the Spanish-American War, World War I, the Roaring 20's, The Great Depression and the New Deal, WWII, the Korean War, War and Peace in a Nuclear Age, the Age of Space, the Civil Rights Movement, and the Vietnam War.

### WORLD HISTORY (385)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grade 10 requirement

**PREREQUISITE:** none

The primary purpose of this course is to give students an opportunity to learn about the economic, political, and social developments that created the western civilization of which they are a part. The course includes study of the Ancient Middle East and Egypt, Ancient Greece and Rome, the Middle Age and the Rise of Nation States, the Renaissance, the Reformation, the French Revolution, Imperialism, as well as topics from the Far East including Japan, China, and India. We will look at these areas of history through a variety of methods from layered curriculum to project-based learning to lecture/note method.

### GOVERNMENT (365)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** required for grade 12

**PREREQUISITE:** none

Government is designed to provide the student with an understanding of how our government is organized, how politically active people attempt to control it, and how special interest groups move within it. The course will emphasize various forms of government around the world and how the United States actively interacts with them. Students will utilize critical thinking skills to investigate topics including Constitutional Law, The Bill of Rights, Civil Liberties, Civil Rights, Political Ideology, Comparative Governments and the Division of Powers. A couple of research projects will be included in the semester and we will also do at least one activity where we act as a governing body as a class.

## SOCIAL STUDIES ELECTIVES

### HISTORY THROUGH FILMS (356)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 10-12

**PREREQUISITE:** none

History Through Films is a semester-long class where students will watch historical films, each dedicated to an event, person, or era of history. Prior to watching the films, students will learn about the geographic and historic factors that combined to create the historical topic of the film. They will use maps, and primary and secondary source documents, to create a framework for understanding the area and time period before watching the film. After watching the film, students will participate in activities that require research,

writing, and presentation skills to evaluate the film in comparison to actual events.

## **ECONOMICS (360)**

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

Economics is a semester course focused around a basic understanding of economics. Topics covered but not limited to include macro sectors, micro sectors, scarcity, supply and demand, the role of government, the role of the private sector, the stock market, the money supply, inflation, and taxation. The course will also include a financial literacy unit that teaches some basic individual financial matters from banking and loans to insurance and other activities that people come across in their day-to-day lives.

## **CURRENT ISSUES (374)**

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** none

The focus of this class will be on current global issues. Current Issues offers students the opportunity to study the contemporary world through current events. It is designed to be informative as well as to provide experience in reading, research, and writing. Some topics will include: environmental issues, global conflict, population issues, and human rights.

## **PSYCHOLOGY (393)**

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

This course provides an overview of the study of human behavior with emphasis in the areas of biological mechanisms, development, sensation, learning and memory, motivation, therapy and social influence. The course stresses the impact of both theoretical perspectives and experimental evidence on the formulation of human behavior. Psychological theories and principles are utilized to explain and predict behavior.

## **SOCIOLOGY (394)**

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

A survey of the fundamental concepts employed in the study of human social interaction with emphasis on group aspects of social behavior. Subject areas include research methods, culture and social structure, socialization, groups and formal organizations, deviance and social control, stratification, minorities, major social institutions, and social change.

## **ROCK OF AGES (000)**

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 10-12

**PREREQUISITE:** none

Rock and Roll was the first American musical tradition constructed from the many musical traditions that animated life in the 20th century, including Gospel, Blues, Country, Jazz and R&B. In bringing together these musical styles, Rock and Roll also brought people together, from across regions, across race and class lines, and, finally, across oceans. It was the beginning of a historical turn that would change daily life in the modern world. Students will learn the roots of Rock and Roll and how it has helped shape history.

## **VIETNAM WAR IN DEPTH (000)**

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**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 10-12

**PREREQUISITE:** none

This course will examine the history of the Vietnam War. It will provide the student with the historical background that set the stage for the conflict, the events that led directly to the war, the major issues involved at home and abroad, and an overview of the major battles. Further, this course will also cover the non-military aspects of the war, such as the changing political climate in the United States during the late 1960s, that had a profound impact on the outcome of the struggle. We will also look at how the impact of this war is still felt today, in the United States and throughout the world.

### Wellness

#### CREDITS REQUIRED FOR GRADUATION

**4 credits** of Physical Education are required for graduation from Cherokee Community School District. Health I and completion of a CPR certification are also required.

Credits earned beyond the requirement are automatically counted as Electives.

### HEALTH I (132)

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**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** none

The health units covered will include nutrition, goal setting, fitness, the body systems, drug and alcohol abuse, sex education and CPR Training. This introductory class will cover the health basics in the above areas with a focus on units important to early teens.

### PHYSICAL EDUCATION (133)

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**DURATION:** semester course

**CREDITS:** 0.5

**OPEN TO:** grades 9-12

**PREREQUISITE:** English 9

Physical Education classes are designed to practice and develop skills in activities that will help students maintain fitness throughout their life. Students will understand the benefits that regular exercise can provide for a person's mental, physical, and social health. This is a class that combines traditional P.E. units with an introduction to lifting.

### HEALTH II (136)

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**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grade 10-12

**PREREQUISITE:** Health I

This class will teach the overall benefits of staying healthy. Health units that will be covered include nutrition, personal fitness, and changes of the body, body systems, mental and emotional health, drug use and abuse, sex education, and other current applicable health topics.

### STRENGTH & CONDITIONING (146)

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**DURATION:** semester course

**CREDITS:** 1

This course will give students the tools and resources needed to be physically fit and healthy for a lifetime. The variety of exercises, techniques and equipment used will allow students to experience many different ways to exercise which

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**OPEN TO:** grade 19-12

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**PREREQUISITE:** none

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will likely lead to them finding exercises they enjoy and want to continue performing after completing the course. Students will also learn how to create their own Health and Fitness plans that work towards specific health, fitness and career goals.

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## **COACHING ETHICS, TECHNIQUES, AND THEORY (140)**

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**DURATION:** semester course

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**CREDITS:** 0.5

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**OPEN TO:** grade 11-12

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**PREREQUISITE:** none

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This course studies the theory and techniques of coaching the interscholastic athlete and the interscholastic team, as well as the related responsibilities, duties and problems. This is one of four courses leading to the coaching authorization issued by the Iowa Department of Education as a head coach or assistant coach of any interscholastic athletic activity.

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## **ATHLETIC DEVELOPMENT & HUMAN GROWTH (141)**

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**DURATION:** semester course

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**CREDITS:** 0.5

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**OPEN TO:** grade 11-12

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**PREREQUISITE:** none

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This course introduces concepts in sports psychology for elementary school age children and adolescents. Physical, psychological and social growth is examined as they relate to physical activity and competitive athletics. This is one of four courses leading to the coaching authorization issued by the Iowa Department of Education as a head coach or assistant coach of any interscholastic athletic activity.

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## **BODY STRUCTURE & FUNCTION (142)**

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**DURATION:** semester course

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**CREDITS:** 0.5

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**OPEN TO:** grade 11-12

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**PREREQUISITE:** none

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This course is an introduction to the physiological processes and anatomical features of the human body which are related to and affected by physical activity and training. This is one of four courses leading to the coaching authorization issued by the Iowa Department of Education as a head coach or assistant coach of any interscholastic athletic activity.

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## **ATHLETIC INJURY PREVENTION (144)**

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**DURATION:** semester course

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**CREDITS:** 0.5

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**OPEN TO:** grade 11-12

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**PREREQUISITE:** none

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This course introduces conditioning programs and training methods that tend to prevent athletic injuries. This course provides basic skills in injury procedures, while providing practical experience in taping techniques. This is one of four courses leading to the coaching authorization issued by the Iowa Department of Education as a head coach or assistant coach of any interscholastic athletic activity.

## World Language

<b>CREDITS REQUIRED FOR GRADUATION</b>	Credits earned for Spanish classes will be counted as Electives.

### SPANISH I (200)

<b>DURATION:</b> year course	<p>This is an elective course that teaches the basic structures of the Spanish language. The students learn foundational skills to read, write, listen, and speak Spanish as well as learn important cultural points throughout the year. The emphasis is on using Spanish in everyday situations. This course is not designed for the native speaker.</p>
<b>CREDITS:</b> 2	
<b>OPEN TO:</b> grades 9-12	
<b>PREREQUISITE:</b> none	

### SPANISH II (204)

<b>DURATION:</b> year course	<p>Spanish II is a continuation of first year Spanish with added emphasis on formal grammar, conversational skills, writing, listening, presentations and cultural information. Text and workbook activities are included. This course is not designed for the native speaker.</p>
<b>CREDITS:</b> 2	
<b>OPEN TO:</b> grades 10-12	
<b>PREREQUISITE:</b> Spanish I	

### SPANISH III (208)

<b>DURATION:</b> year course	<p>This course is a continuation of Spanish II, which emphasizes building skills in reading, writing, listening, and speaking. Cultural points are also a part of each unit. This class is conducted primarily in Spanish.</p>
<b>CREDITS:</b> 2	
<b>OPEN TO:</b> grades 11-12	
<b>PREREQUISITE:</b> Spanish II	

### SPANISH IV (210)

<b>DURATION:</b> year course	<p>This course is primarily a review of previously learned grammar and structure of the language. It offers a component of literature as well as increased conversational and listening practice. This class is conducted primarily in Spanish.</p>
<b>CREDITS:</b> 2	
<b>OPEN TO:</b> grade 12	
<b>PREREQUISITE:</b> Spanish III	

## Career & Technical Education

<b>CREDITS REQUIRED FOR GRADUATION</b>	<b>Financial Planning</b> is required for graduation and will be taken in Grade 12.
	Credits earned beyond the requirement are automatically counted as Electives.

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## AGRICULTURE

### INTRO TO AGRICULTURE

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grades 9-12

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**PREREQUISITE:** none

Students' experiences will involve the study of communication, FFA, SAE, agriculture, scientific process, natural resources. This course is structured to enable all students to have a variety of experiences that will provide an overview of the fields of agriculture science and natural resources so that students may continue through a sequence of courses through high school. In addition, students will understand specific connections between lessons and supervised agricultural experiences and FFA components that are important for the development of an informed agricultural education student.

### ANIMAL SCIENCE

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grades 10-12

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**PREREQUISITE:** none

Student experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. Throughout this course students will consider the perceptions and preferences of individuals within local, regional, and world markets. Students will explore hands-on projects, activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock products, and industry personnel, face in their respective careers.

### PLANT SCIENCE

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grades 10-12

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**PREREQUISITE:** none

This course provides a foundation of plant science knowledge and skills. Students will experience various plant science concepts through exciting "hands-on" activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers.

### AG. BUSINESS

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grades 11-12

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**PREREQUISITE:** none

This course introduces the fundamental concepts of agriculture business within the framework of how the agriculture industry operates and functions in a global economy. It focuses on the basic principles of the issues and concepts that agricultural businesses and markets encounter.

### WIT PRINCIPLES OF



## AGRONOMY

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

This course presents the information necessary to understand the reasons and methods of soil and crop management. The course provides answers to practical crop production questions and introduces students to further study of the sciences involved. This is a dual credit WIT course.

## WIT CAREER SEMINAR

**DURATION:** semester course

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**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

## WIT ANIMAL INDUSTRY

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

This lecture course introduces the student to the global animal science industry. All specialized areas of animal science will be studied including nutrition, reproduction, genetics, health, and behavior. All major domesticated species of animals will be available for study. **This is a dual credit WIT course.**

## AGRICULTURAL LEADERSHIP

**DURATION:** semester course

T

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

## AGRICULTURE IN A GLOBAL WORLD

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

Agriculture Leadership courses help students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities.

## BUSINESS & FINANCE

## INTRODUCTION TO BUSINESS (420)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** none

This semester course should give a solid basis for those students considering further studies in business in high school and college as well as offering useful and practical aspects of living to any students. It gives background information on the free enterprise system in the three possible roles a student plays: as a worker, as a consumer and as a citizen in the economy.

## ACCOUNTING (420)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grades 10-12

**PREREQUISITE:** none

The main purpose of the course is to give the student a background in accounting methods used in a sole proprietorship business and a corporation, as well as a background to be used in further college or career & technical education courses. Calculating taxes and completing bank reconciliation are also a part of this course. A workbook is used for the problems that are assigned to simulate real world experience. Practice sets for a proprietorship and a corporation are used to further enhance the learning process. Students will also be exposed to automated accounting using computer software.

## BUSINESS LAW (405)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 10-12

**PREREQUISITE:** none

In the business curriculum, business law is perhaps the one content-type course that is of value to all students whether or not they specialize in business. Business law is fundamental for social control and knowledge of it is essential to intelligent action in everyday living. It deals in many areas. Some of the units are as follows: laws, contract, insurance, motor vehicles, juvenile law and property law.

## ENTREPRENEURISM (410)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** intro to business

This semester course is designed to show students the necessary skills to effectively organize, develop, create, and manage their own business. Students will assess their current skills against the skills necessary to become a successful entrepreneur. Students will also examine and evaluate the essential skills to determine why they are important entrepreneurial skills. Business ideas will be evaluated and a business plan will be prepared. Students will research business trends, market share, and real estate pricing, and marketing. Additional topics will focus on local opportunities and available assistance, legal issues and record keeping. Students may create and run a business during this class.

## FINANCIAL PLANNING (268)

**DURATION:** semester course

**CREDITS:** 1

This course is designed to introduce and help students develop the skills and strategies that are helpful in becoming more productive individuals. Topics include goal setting; personal management, budgeting, saving, and investing.

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**OPEN TO:** required for grade 12

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**PREREQUISITE:** none

## **CODING (252)**

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grades 9-12

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**PREREQUISITE:** algebra I or  
integrated math II

Coding is a class that introduces students to the foundational concepts of computer programming. Coding explores the technical challenges and questions that arise from the need to represent digital information in computers and transfer it between people and computational devices. The majority of the class introduces the foundational concepts of computer programming, which unlocks the ability to make rich, interactive apps.

## **COMPUTER APPLICATIONS (431)**

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grades 9-12

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**PREREQUISITE:** none

Computer Applications provides an introduction to software applications that prepares students to succeed in the workplace and beyond. Students will develop an understanding of professional communications and leadership skills while gaining proficiency with word processing, email, and presentation management software.

## **FAMILY & CONSUMER SCIENCE**

### **INTRODUCTION TO FCS (458)**

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grades 9-12

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**PREREQUISITE:** none

This course focuses on helping students explore the many different topics found within the family and consumer sciences. Topics include (but are not limited to) Basic Finance Management, Laundry, Personal Relationships, Culinary Skills, Basic Nutrition, and careers in the family and consumer sciences.

### **CULINARY I (441)**

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grades 9-12

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**PREREQUISITE:** intro to FCS

This course will help students build an understanding of the fundamentals of foods and nutrition. Students will learn about the various food groups and types of food. A major emphasis will be placed on nutrition and food safety. Students will have multiple opportunities to apply knowledge in the kitchen lab. Students will have the opportunity to earn their ServeSafe Food Handler Certification.

### **CULINARY II (442)**

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**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 10-12

**PREREQUISITE:** culinary I

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## **HUMAN GROWTH & DEVELOPMENT (457)**

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**DURATION:** semester course  
(spring 2024)

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** intro to FCS

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## **HOUSING DESIGN (461)**

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**DURATION:** semester course  
(spring 2024)

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** intro to FCS

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## **INTERPERSONAL RELATIONSHIPS (462)**

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**DURATION:** semester course  
(spring of 2025)

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** intro to FCS

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## **FASHION DESIGN (463)**

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**DURATION:** semester course  
(spring of 2025)

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** intro to FCS

This course is a continuation of Culinary 1. Students will explore topics such as food preservation, protein sources and preparation, vegetables and foreign food with an emphasis on cooking to taste and food preparation in the lab setting.

This course will focus on the development and growth of the human from conception and infancy to the elderly stage and death. A special focus will be placed on ages 0-18 and students may have the opportunity to use the RealCare Baby® Simulation.

This course is designed to help students explore the many different aspects of housing and interior design. Topics will include the elements and principles of design; traffic patterns and flow; affordability in housing; and the creation of floor plans. This class will be primarily project based and students will have the opportunity to design their own housing utilizing technology.

This course was designed to help students understand the importance of creating healthy relationships. Students will explore the functions of various relationships, mental health, intimate relationships and personal health, abusive relationships and more!

This course is designed to help students foster creativity as they explore the many different aspects of the textiles and apparel industry. Topics will include the production and manufacturing of textiles, the dyeing and printing processes, clothing design with hands-on applications, and retail. A special focus will be directed at the debate surrounding fast fashion.

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## **Industrial Arts**

## INTRODUCTION TO CONSTRUCTION (487)

**DURATION:** year course (2 consecutive class periods daily)

**CREDITS:** 4

**OPEN TO:** grades 9-12

**PREREQUISITE:** none - limit 12

This course is designed to acquaint students with the safe handling of construction materials, machines and hand tools. The students will cover topics including safe use of tools, measurements, building footprints, wall and roof construction. Lab work will depend on availability of construction projects.

## WOODS I (480)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** none - limit 12

This introductory course is designed to acquaint students with the safe handling of wood, machines and hand tools. The students will cover topics including safety, measurement, cutting wood and wood joints, adhesives, wood properties, finishing techniques, and project planning. There are two required projects and a personal project chosen by the student.

## WOODS II (481)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grades 10-12

**PREREQUISITE:** Woods I - limit 12

This advanced course is an independent projects class for students to explore the various categories of wood in the production of furniture or cabinets. The students will demonstrate safe shop practices while producing projects. Drawings, plan of procedure, and bill of materials will be made for each project.

## METAL WORKING (482)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** none - limit 6

This introductory course is designed to acquaint students with the safe handling of metals, with machines and hand tools. The students will cover topics including safety, measurement and layout, and the fundamentals of the different welding processes.

## DRAFTING (490)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** none - limit 10

This introductory course is designed to acquaint students with the printed language of industry. The students will cover topics including ANSI lettering, tools, constructions, shape description and size description. Additional units will cover sketching, pictorials (oblique-isometric-perspective), sectioning, stretch-outs, and auxiliary views. Students will use Chief Architect, CAD, SolidWorks, Blender, and 3D Printing.

## BRAVE DESIGNS

Brave Designs is a unique course offered at WHS in which students collaborate across three different CTE subcategories: business, FCS and industrial arts. Students can choose to participate in projects in one of the business focus areas

(graphic design, industrial technology, or business management) to gain hand-on knowledge of the workplace and inner-workings of a business.

Students applying for Brave Designs must have completed one of the following classes:

Intro to FCS	Accounting	Woods I or Metals
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Students must complete an application to be evaluated by the instructors, principal and school counselor.  
[Click here for the current application.](#)

**BRAVE DESIGNS - FCS (449)**

DURATION: year course	Students will work with various technologies to design and create graphic apparel, stickers and other vinyl products to be listed for sale.  This class will be limited to 6 students.
CREDITS: 2	
OPEN TO: grades 10-12	
PREREQUISITE: intro to FCS	

**BRAVE DESIGNS - BUS (449)**

DURATION: year course	Students will work to market, sell, inventory and do business accounting for items sold.  This class will be limited to 8 students.
CREDITS: 2	
OPEN TO: grades 10-12	
PREREQUISITE: intro to FCS	

**BRAVE DESIGNS - IND (449)**

DURATION: year course	Students will work with various technologies to design and create wooden and/or metal products to be listed for sale.  This class will be limited to 12 students.
CREDITS: 2	
OPEN TO: grades 10-12	
PREREQUISITE: intro to FCS	

**Fine Arts**

CREDITS REQUIRED FOR GRADUATION	
	Credits earned in this category are automatically counted as Electives.

**ART**

**ART FUNDAMENTALS**

## (100)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** none

This course is designed to introduce students to art at the high school level. Students will explore a variety of projects to connect them to their creativity; through building art vocabulary, techniques and cognitive abilities. This course is required for all upper level art.

## DRAWING (106)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** art fundamentals

In this course students will explore a variety of methods and media used in drawing.

## PAINTING I (110)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** art fundamentals

This course will allow students to explore the world through paint. Various tools and techniques used in painting will be explored. Students will create an understanding for aesthetics, composition, and painting techniques through a number of projects aimed at creating a personal connection to painting.

## PAINTING II (111)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** art fundamentals

This course will continue an exploration of technique and personal style and artistic ideas through paint. An emphasis in style, personal critiques and presenting their art will be expected.

## CERAMICS I (104)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12, limit 12

**PREREQUISITE:** art fundamentals

This course will allow the student to discover art through clay. Students will create an understanding of form and function through a variety of projects and techniques. Students will learn how to use a potter's wheel and hand-building skills.

## CERAMICS II (107)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 10-12, limit 12

Ceramics II provides in-depth work with clay beyond Ceramics I. Students will further their technical ability in hand building, surface decoration and wheel thrown techniques. Students will continue to explore glaze application methods

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**PREREQUISITE:** ceramics I

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and various surface effects. Students will be highly encouraged to work beyond the ordinary in order to advance their artistic styles and capabilities with clay.

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## GRAPHIC DESIGN (108)

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grades 10-12, limit 10

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**PREREQUISITE:** art fundamentals

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This course is designed to explore the principles of design using software in the Adobe Suite, with focus on Photoshop and Illustrator. Project topics will vary, but may include: logo creation, web-based graphic design, sticker creation, commercial art, and branding and marketing design.

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## VIRTUAL REALITY (434)

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**DURATION:** semester course

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**CREDITS:** 1

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**OPEN TO:** grades 9-12, limit 10

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**PREREQUISITE:** art fundamentals

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This Independent Study course, conducted with instructors as mentors, enables students to explore topics of interest related to the Virtual Reality Education Pathfinder program. This course may serve as an opportunity for students to expand their expertise with the Blender software, to explore 3D animation in greater detail, or to develop more advanced skills related to the program. 2<sup>nd</sup> Semester is contingent on teacher's approval.

## BAND

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### MARCHING BAND (120)

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**DURATION:** year course

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**CREDITS:** 1

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**OPEN TO:** grades 9-12

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**PREREQUISITE:** none

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This course is designed to provide an enriching and diverse instrumental and visual music education. This class will include a number of public performances in a variety of settings. The daily objective of the course is to foster and promote musical growth through instrumental playing and visual choreography.

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### BAND (124)

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**DURATION:** year course

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**CREDITS:** 2

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**OPEN TO:** grades 9-12

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**PREREQUISITE:** none

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This course is open to all students with a desire to participate in Instrumental Music. The major focus in Band is the Concert Band where students will be introduced to concepts that will improve music technique. Students involved in Band are required to participate in Marching Band and Pep Band during athletic events. They will also be required to participate in concerts and other performances throughout the year and will have the opportunity to participate in select ensembles. Weekly lessons are required and are scheduled by the director.

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## WIT EAR

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## TRAINING/SIGHT SINGING (118)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

This course develops the ability to recognize and notate simple intervals, rhythms, melodies and chord progressions. Sight-singing skills are strengthened using the sol-feggio method. Basic piano skills are acquired.

## WIT MUSIC THEORY (128)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

The course introduces the basic materials of music, including musical notation and the basic elements of music including melody, harmony, rhythm, texture, keys, major and minor scale structures, chord construction, and composition. This class is intended for students with strong interest but limited background in music theory.

## WIT MUSIC APPRECIATION (129)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 11-12

**PREREQUISITE:** none

A general course designed to make the student more aware of musical form, media, genres, musical periods, and the essential role of music in life and culture. Emphasizes the development of tools for intelligent listening and appreciation.

## Choir

### CHOIR (126)

**DURATION:** year course

**CREDITS:** 2

**OPEN TO:** grades 9-12

**PREREQUISITE:** none

This ensemble is open for any student with a reasonable degree of vocal ability and/or training in proper vocal technique. Students will be introduced to concepts that will improve sight-reading ability and overall music technique. Music for this ensemble will be sacred and secular, covering time periods from the Renaissance to contemporary in a variety of languages. Lessons are mandatory and will be scheduled by the director. Any student enrolled in this ensemble will be required to participate in concerts and other performances throughout the semester and will also have the opportunity to participate in select ensembles. Any student enrolled in Vocal Music is open to audition for Jazz Choir.

### INTRO TO PIANO (131)

**DURATION:** semester course

**CREDITS:** 1

**OPEN TO:** grades 9-12

**PREREQUISITE:** none

Students will be taught the following: Fundamentals of piano, music and musicianship, music notation, terminology, scales, key signatures, time signatures, and performance etiquette. Also being taught are basic piano chords, rhythms, and fingering techniques. The music played is beginner-level classical, folk, swing, blues, and popular piano literature.



# High School Course Map

**Four Year Course Map:** Fill in the courses you will take each year to complete all credit requirements.

**Electives:** Students must complete 14.5 elective credits to be eligible to graduate. They can be completed at any point throughout the 8 semesters.

9th grade / 1st semester	9th grade / 2nd semester
English English 1	English English 1
Math	Math
Science Science 9	Science Science 9
Social Studies Modern American History	Social Studies Modern American History
PE	PE
Health + CPR	Elective
Elective	Elective
Elective	Elective

10th grade / 1st semester	10th grade / 2nd semester
English English 2	English English 2
Math	Math
Science Biology	Science Biology
Social Studies World History	Social Studies World History
PE	PE
Elective	Elective
Elective	Elective
Elective	Elective

11th grade / 1st semester	11th grade / 2nd semester
English English 3	English English 3
Math	Math
Science	Science
Social Studies	Social Studies
PE	PE
Elective	Elective
Elective	Elective
Elective	Elective

12th grade / 1st semester	12th grade / 2nd semester
English English elective	English English elective
Math	Math
Science	Science
Social Studies Government	Social Studies Government
PE	PE
Elective	Elective
Elective	Elective
Elective	Elective