

# **Gibbon High School Course Descriptions**



**2017-2018**

**Gibbon High School**



Parents,

After receiving input from numerous stake holders including students, parents, board members and staff, I am pleased to present our course offerings for the 2017-2018 school year. I believe you will be happy with the foundational courses that provide a solid base of knowledge. There are numerous course offering new this year that I believe that your students will find exciting.

Please be aware of the new graduation requirements beginning with this class of 2017. The decision to change requirements was made after a task force studied the course requirements of other school districts and they recommended the changes Note the introductory pages of this booklet that list Required classes for students in all grades.

We have available Dual credit options and Distance Learning opportunities for many courses to our students that are taught by other school districts and colleges. These include Advanced Placement courses. If you are interested, please see Ms. Neubauer.

I encourage you to look carefully at the options now available for your students. Careful thought was put into offering courses that are both interesting and relevant to to their educational plan.

As always if you have any questions about this courses or your student's education, please call me at 308-468-5721.

Educational yours,  
Troy Lurz  
Principal

Gibbon Public Schools does not discriminate on the basis of race, color, national origin, religion, sex, marital status, sexual orientation, disability, age, genetic information, citizenship status, or economic status in its programs, activities and employment.

## **Credit**

Credits are earned by completing courses. Each year-long course is worth 10 credits, and each semester-long course is worth 5 credits. There are eight periods in the daily schedule, providing opportunities to earn 80 credits each year.

### **Class Credit Requirements**

Sophomore	60 Credits
Juniors	120 Credits
Seniors	180 Credits
Graduate	245 Credits

### **Graduation Requirements beginning with the Class of 2017**

Four Years of English including Senior Research Project  
One Semester of Speech  
Three Years of Math  
One Year of American History  
One Year of American Government  
One Additional Year of Social Studies  
Three Years of Science  
One Year of Physical Education/Health I  
One Year of Information Technology I  
One Semester of Information Technology II  
One Additional Year and One Semester of CTE  
One Year of Humanities (Art, Music, Foreign Language)

### **College Requirements**

Four Years of English  
Four Years of progressive Math  
Three Years of Social Studies  
Three Years of Science  
Two Years of the same Foreign Language

# Required classes per grade

## 7<sup>th</sup> Grade Classes

English 7  
Reading 7  
Science 7  
Social Studies 7  
Math 7  
Exploratory Courses (9 weeks):  
    Industrial Technology  
    Art  
    Keyboarding Applications  
    Life Skills

## 8<sup>th</sup> Grade

English 8  
Reading 8  
Science 8  
Social Studies 8  
Math 8  
Exploratory Courses (semester):  
    Curriculum for Careers  
    Computer Applications

## 9<sup>th</sup> Grade

English 9  
Information Technology Applications I  
PE I /Health  
World Geography  
Physical Science  
Math Class

## 10<sup>th</sup> Grade

English 10  
Speech (semester)  
Information Technology Applications II (semester)  
Biology  
World History  
Math Class

## 11<sup>th</sup> Grade

English 11  
American History  
Chemistry  
Math Class

## 12<sup>th</sup> Grade

English 12  
American Government

# Career and Technical Education

## Credit at Central Community College

Gibbon High School offers four CTE Programs of Study as follow:

- Skilled and Technical Sciences Career Field – Architecture and Construction Cluster – Basic Construction Pathway (POS)
- Human Sciences and Education Career Field – Education and Training Cluster – Education and Training Early Childhood Cluster (POS)
- Communication and Information Systems Career Field – Information Technology Cluster – Information Technology Cluster (POS)
- Business, Marketing and Management Career Field – Finance Cluster – Accounting Cluster (POS)

If a student completes three core courses within a Program of Study (POS), the student will receive 3 college credits from Central Community College for the third course at no cost. The chart on the next page shows the core courses that are required for the college credit. Also shown are the elective courses not included in the completion of a POS.

## Career Academies

The Central Nebraska Career Academy Project (CNCAP) through Central Community College is designed to provide high school juniors and seniors with opportunities to explore various career clusters. At present there are three Career Academies available: (1) Business (2) Health Science and (3) Agribusiness.

Students who participate in a Career Academy earn college credit and learn more about a high-demand career area. Students also job shadow professionals and learn skills that will help them be successful in pursuing the career field of their choice.

Courses will be provided through a combination of online and Distance Learning with an online component. These learning formats allow students the opportunity to access course work when convenient in their schedules.

Students make application to the academy of their choice in the spring of their sophomore year in high school. If accepted, the students start classes in the fall of their junior year.

Students' Benefits of a Career Academy are:

- Practical skills for a career area
- Safety, legal, and ethical procedures
- Job-seeking skills
- Interpersonal skills for the workplace
- Dual or con-current credit while in high school
- A head start on a college degree
- Exposure to a rigorous college environment.

# JUNIOR HIGH COURSE DESCRIPTIONS

## LANGUAGE ARTS

### **English 7**

Grade Level: 7

Class Length: Year

Course #: 050802

Description: Areas of study include: writing, language study, and vocabulary. Students generate a variety of compositions utilizing the Six Traits of Writing and the Five Step Writing Process. Language study focuses on grammar and usage. Vocabulary in context is incorporated in weekly assignments.

### **Reading 7**

Grade Level: 7

Class Length: Year

Course #: 050800

Description: The focus is on developing a love of reading as well as reading skills, specifically vocabulary and comprehension. Students read short stories from literature anthologies and a variety of novels. They are introduced to a variety of fiction and non-fiction texts as they learn about the patterns and elements of each. The Accelerated Reading (AR) program is implemented, and students earn AR points by reading and completing tests over novels at their individual reading levels.

### **English 8**

Grade Level: 8

Class Length: Year

Course #: 050803

Description: Areas of study include writing, language study, and vocabulary. Special emphasis is placed on descriptive writing. The students write a research paper and prepare an informative speech. The Six Traits of Writing and Five Step Writing Process is incorporated into all writing lessons. Language study focuses on grammar and usage. Vocabulary in context is incorporated in weekly assignments.

## MATHEMATICS

### **Math 7.1**

Grade Level: 7

Class Length: Year

Course #: 112800

Description: Major topics include: 1) Performing operations fluently with decimals, fractions, and percent 2) Performing operations and applications of integers fluently 3) Reading and interpreting tables, charts, and graphs to make comparisons and predictions 4) Solving one-step and two-step algebraic equations and inequalities fluently 5) Demonstrating knowledge and use of the one- and two-dimensional coordinate systems 6) Using simple probability and probability reasoning to communicate the likelihood of events 7) Applying formulas to solve problems involving perimeter and area of a square, rectangle, parallelogram, trapezoid and triangle, as well as the area and circumference of circles 8) Identifying, describing, comparing, and classifying two- and three-dimensional geometric figures. Students apply these concepts into real-world situations.

### **Reading 8**

Grade Level: 8

Class Length: Year

Course #: 050801

Description: Focus is on developing a love of reading as well as reading skills, specifically vocabulary and comprehension. Students read short stories from literature anthologies and a variety of novels. They are introduced to a variety of fiction and non-fiction texts as they learn about the patterns and elements of each. The Accelerated Reading (AR) program is implemented, and students earn AR points by reading and completing tests over novels at their individual reading levels.

### **Language Art Support 7-8**

Grade Level: 7-8

Class Length: Quarter, Year

Course #: 290101

Description: Focus is on improving the student's reading level and reading skills. The format of the course is small group and direct instruction using the REWARDS and Read Naturally reading programs. Teacher recommendation is required.

### **Corrective Reading**

Grade Level: 7-8

Class Length: Year

Course #: 059930

Description: Focus is on improving the student's reading level and reading skills. The format of the course is small group and direct instruction using the Corrective reading program. This course replaces the regular Reading course requirement. Teacher recommendation is required.

### **Math 7.2**

Grade Level: 7

Class Length: Year

Course #: 112800

Description: : Major topics include: 1) Performing operations fluently with decimals, fractions, integers and percent which may or may not include variables 2) Solving problems and involving perimeter, area, and volume of 2D and 3D polygons and solids 3) Solving and writing one-step and two-step and multi-step equations and inequalities fluently 4) Identifying and displaying numbers including prime and composite, factors and multiples, divisibility, powers, and properties 5) Identifying and utilizing the appropriate operation and do the correct calculations when solving word problems 6) Using and applying formulas to solve problems involving perimeter and area of a square, rectangle, parallelogram, trapezoid and triangle; and the area and circumference of circles. 7) Using proportional reasoning to solve mathematical and real-world problems. Students apply these concepts into real-world situations.

**Math 8**

Grade Level: 7-8

Class Length: Year

Course #: 112801

Description: Major topics include: 1) Performing operations fluently with decimals, fractions, integers and percent which may or may not include variables 2) Solving problems and involving perimeter, area, and volume of 2D and 3D polygons and solids 3) Solving and writing one-step and two-step and multi-step equations and inequalities fluently 4) Identifying and displaying numbers including prime and composite, factors and multiples, divisibility, powers, and properties 5) Identifying and utilizing the appropriate operation and do the correct calculations when solving word problems 6) Using and applying formulas to solve problems involving perimeter and area of a square, rectangle, parallelogram, trapezoid and triangle; and the area and circumference of circles. 7) Using proportional reasoning to solve mathematical and real-world problems. Students apply these concepts into real-world situations.

**Math Support 7-8**

Grade Level: 7-8

Class Length: Quarter

Course #: 290102

Description: This class provides an opportunity to improve math confidence and skills through an individualized program. Topics include basic math, integers, equations, rational number topics, algebra, geometry, and probability. Format includes individual and group study. Teacher recommendation is required.

**SCIENCE****Science 7**

Grade Level: 7

Class Length: Year

Course #: 130801

Description: Focus is on life science and matter. Students examine and explore concepts such as: cells, cell cycles, adaptations, behaviors, body systems, heredity, energy, and sound. Students read, take notes, complete labs, and complete various other tasks that provide them a foundation for high school biology.

**SOCIAL SCIENCE****Social Studies 7**

Grade Level: 7

Class Length: Year

Course #: 150011

Description: Focus is on the early history of the United States. Beginning with a background in Europe that led to exploration, discovery and eventual colonization of Americas, it ends with the Civil War period. American civics is also studied including government format, economics, and environmental issues. Students relate past events to situations in today's society. Citizenship discussions and current events are introduced when appropriate. Students read and interpret ideas, develop vocabulary, and work with maps.

**Algebra I**

Grade Level: 8-12

Class Length: Year

Course #: 110300

Credits: 10

Description: Algebra I is the first step in the high school mathematics sequence and provides a foundation for the following sequence of classes: Algebra I, Geometry, Algebra II, Algebra III, and Calculus. Activities include: 1) learn number operations and variables, 2) solve equations and inequalities, 3) graph linear equations and inequalities, 4) write linear equations, 5) solve systems of linear equations, and 6) evaluate powers and exponents.

**Math Tutoring 7 or Math Tutoring 8**

Grade Level: 7-8

Class Length: Semester, Year

Course #: 112801

Description: In this class students receive a repeated math lesson and individualized/small group math instruction on their Math 7 or Math 8 coursework. A variety of methods, such as pre-teaching and re-teaching, is used. This course is not graded.

**Science 8**

Grade Level: 8

Class Length: Year

Course #: 130802

Description: Focus is on earth science and matter. Students examine and explore concepts such as: the solar system, earth structure, atmosphere, water cycle, plate tectonics, earthquakes, volcanoes, minerals, rocks, soil, physical and chemical properties/changes, and Newton's three laws of motion. Students read, take notes, complete labs, and various other tasks that provide a foundation for high school physical science and chemistry.

**Social Studies 8**

Grade Level: 8

Class Length: Year

Course #: 150012

Description: This course covers the period of time from the Civil War to the present. Emphases include: 1) the causes and effects of the Civil War, 2) the American frontier's exploration, mining, cattle industry, homesteads, and Native Americans, 3) the technological advancement and inventions in the United States during the late 1800's and early 1900's, 4) World War I, 5) World War II, and 6) development from World War II to the present.

## **EXPLORATORY COURSES**

### **Keyboarding Applications 7**

Grade Level: 7

Class Length: 9 Weeks

Course #: 033501

Description: Students learn touch techniques and proper keystroking while continuing to develop composition and proofreading skills as well as speed and accuracy. Students demonstrate keyboarding proficiency in document formatting.

### **Life Skills 7**

Grade Level: 7

Class Length: 9 Weeks

Course #: 090006

Description: This is a family and consumer sciences class. Activities in the classroom develop friendship, communication, and decision making skills. Basic nutrition and food preparation skills are taught and practiced in the foods lab. Manners and table etiquette are presented, and students have the opportunity to practice them.

### **Computer Applications 8**

Grade Level: 8

Class Length: Semester

Course #: 033422

Description: Students improve touch method keyboarding skills and develop handwriting and speech recognition skills. Instruction emphasizes improved techniques for increased speed and accuracy and composition at the keyboard. Students are introduced to word processing, electronic presentation, and spreadsheet applications.

## **PHYSICAL EDUCATION/HEALTH**

### **Noncompetitive Physical Education/Health**

Grade Level: 7-8

Class Length: Quarter

Course #: 080150

Description: Students participate regularly in physical activity. The goal is to improve student performance by using innovative strategies. Students demonstrate responsible personal & social behavior that respects self and others. Basic health concepts are taught one day every two weeks.

### **Industrial Technology 7**

Grade Level: 7

Class Length: 9 Weeks

Course #: 100707

Description: This class introduces students to the use of power tools and machines in the shop area. It focuses on safety and allows the students to follow a plan and build a woodworking project. Students are expected to pay for the materials to make the projects, as students take the projects home.

### **Art 7**

Grade Level: 7

Class Length: 9 Weeks

Course #: 020800

Description: This course reviews basic art skills and concepts beginning with the elements and principles of design and centering on two-dimensional production. Drawing, design, and composition skills are stressed. An introduction to art appreciation is included.

### **Curriculum for Careers**

Grade Level: 8

Class Length: Semester

Course #: 320400

Description: Students explore career options by utilizing the Nebraska Career Education Model. Standards include: understand the essential knowledge and skills necessary for job success, develop a personal learning plan (including a 4-year high school plan), participate in career exploration activities, access and use different types of career information (i.e. salaries, education, skills, and descriptions), and recognize the variety of postsecondary options available. The Guidance Counselor also presents the "8 to Great" philosophy twice a week.

### **Competitive Physical Education**

Grade Level: 7-8

Class Length: Quarter

Course #: 080150

Description: Students are introduced to interscholastic activity in the following sports: Football, Volleyball, Wrestling, Basketball, and Track. This course is considered the required practice in basketball or wrestling.

## **PERFORMING ARTS**

### **Junior High Choir and Drama**

Grade Level: Grades 7-8

Class Length: Year

Course #: 120400

Description: For 2-3 days a week, students explore and apply the fundamentals of choral music and learn to sing unison, 2-part music, and 3-part music. They perform at the Veteran's Day Program, GEA Pancake Feed, Winter Concert, Spring Concert, and the Henderson-Heartland Choral Festival. For 2-3 days a week, students learn the fundamentals of theater performances. They produce a puppet show, create a mock broadcast, attend plays, learn the technology involved in theatre, perform in a theatrical event, and participate in games and activities to ease stage fright. This course promotes teamwork, self-confidence, self-esteem, unity, pride, and fun.

### **Junior High Band and Instrument Enrichment**

Grade Level: 7-8

Class Length: Year

Course #: 120500

Description: This course is both skill- and performance-based where students work on instrument fundamentals, learn to play pep band songs and concert band music, practice marching for street parades, and read band literature. Auditions for solos, ensembles, and honor bands are available. Students are strongly encouraged to participate in the 7:00 a.m. Marching Band practices on Mondays, Wednesdays, and Fridays through mid-October. Performances include Pep Band at sporting events, parades, a winter concert, a spring concert, music contests, community events, and the graduation ceremony. For two to three days a week, students perform instrumental enrichment activities including basic music theory, instrument knowledge, and music appreciation.

### **Junior High Music**

Grade Level: 7-8

Class Length: Year

Course #: 120100

Description: This course is a combination of Junior High Choir and Junior High Band. Students attend choir and band on alternating days (This does not include any drama or instrument enrichment activities). Please see the above descriptions for Choir and Band.

### **Show Choir**

Grade Level: 7-8

Class Length: Year

Course #: 120450

Description: This course requires an audition which results in membership in one of two performing choirs. Women's Show Choir meets Monday and Wednesday mornings from 7:00 to 7:50. Mixed Show Choir (for boys and girls) meets Tuesday and Thursday mornings from 7:00 to 7:55. Students learn 12-14 songs with choreography throughout the year, including seasonal music. Dance experience is not required. Members wear matching outfits that are purchased every 2 years and cost students \$75.00 - \$150.00. Students perform at events such as the GEA Pancake Feed, Veteran's Day Program, Fall Choral Conference, Spring District Music Contest, Winter Concert, and Spring Concert. They attend at least one show choir competition a year.

## **ELECTIVE COURSES**

### **Study Skills**

Grade Level: 7-8

Class Length: Quarter

Course #: 260300

Description: Students develop skills necessary to locate, interpret, understand, and use information. Reading skills are developed in outlining, note-taking, and test-taking. Other skills are organization, research, and time management. Teacher recommendation is required.

### **Library Skills**

Grade Level: 7-8

Class Length: Quarter

Course #: 260300

Description: Students will be performing a variety of skills from knowing how to locate information using library resources, to analyzing, evaluating and communicating that information in both print and electronic formats.

### **Nutrition**

Grade Level: 7-8

Class Length: Quarter

Course #: 099934

Description: Introduction to Human Sciences/Family Consumer Sciences: This course will provide an overview of fundamental knowledge in Human Sciences/Family Consumer Sciences. Students will practice basic life skills, how to be healthy and prepare healthy food, strengthen family relationships, clothing, and housing considerations. FCCLA activities will be incorporated into the curriculum.

### **Pathways to Success /Healthy Habits**

Grade Level: 7-8

Class Length: Year

Course #: 260200

Description: We will explore various topics that will give students the opportunity to improve study skills, social skills and choice-making. Discussion topics will include critical thinking, decision making, organization, conflict-resolution skills, conversation skills, reacting and responding to social situations, and nutrition.

**English as a Second Language (ESL)**

Grade Level: 5-8

Class Length: Year

Course #: 310010

Description: This course teaches the English language to students who have limited English speaking skills. Goals are: to provide English language skills appropriate to the student's grade level as rapidly as possible, orient the student to culture patterns of American life, develop awareness of cultural diversity, encourage pride in bilingual skills, and enable students to make academic progress in high school courses. Teacher recommendation is required.

**High Ability Learners (HAL)**

Grade Level: 7-8

Class Length: Semester, year

Course #: 300100

Description: HAL class will be independent studies done on subject matter of students' choice. Emphasis is on problem solving. Students will design their own semester of learning along with deadlines and accountability checks built in. Teacher recommendation is required.

## SENIOR HIGH COURSE DESCRIPTIONS

### LANGUAGE ARTS

#### **English 9**

Grade Level: 9

Class Length: Year

Course #: 050021

Credits: 10 English

Description: Focus is on vocabulary, grammar, literature and writing. Students develop written skills by utilizing the six traits writing method and rubric. Writing assignments are expository, narrative, descriptive, or persuasive. Drama, fiction, nonfiction, short stories, poetry and novels are explored and examined. Students are encouraged to read AR books.

#### **Speech**

Grade Level: 10-12

Class Length: Semester

Course #: 050501

Credits: 5 Speech

Prerequisite: English 9

Description: This course concentrates on developing students' public speaking skills. Typical presentations include: demonstration speech, informative speech, persuasive speech, oral interpretation, storytelling, and pantomime.

#### **English 12 – College Prep**

Grade Level: 12

Class Length: Year

Course #: 050024

Credits: 10 English

Prerequisite: English 11

Description: This course is devoted to preparing students to deal with the rigorous demands of college coursework. Familiarization with classical literature and its synthesis into the students' conception of world events are accomplished through text and novel reading and understanding of the social and political mores of the current global situation. Students demonstrate that they can conduct individual research and combine concepts of several experts to write a persuasive research paper and present it to a professional audience in multi-media format. The classics are usually read for points in the Accelerated Reader program.

#### **English 10**

Grade Level: 10

Class Length: Year

Course #: 050022

Credits: 10 English

Pre-requisite: English 9

Description: Building on skills from English 9, students demonstrate ability to differentiate between audiences and purposes in both oral and written language. Written works, including essays and short responses, are refined as students incorporate the Six Traits of Writing. Comprehension of novels, fiction, nonfiction, poetry, and drama is displayed as students relate main ideas and situations to the world view. Students are encouraged to read AR books.

#### **English 11**

Grade Level: 11

Class Length: Year

Course #: 050023

Credits: 10 English

Prerequisite: English 10

Description: English 11 is an introduction to and an exploration of American authors and themes. Students read short stories, memoirs, dramas, essays, poetry, and novels relevant to the American experience from 1600 to present. Students improve writing skills by writing informative, persuasive and expository modes, and completing a research project to learn proper MLA documentation. Students give oral presentations periodically using multi-media presentation materials. Independent reading is a focal point in the curriculum. Students are required to read and analyze novels at their individual reading levels.

#### **English 12 – Vocational**

Grade Level: 12

Class Length: Year

Course #: 059931

Credits: 10 English

Prerequisite: English 11

Description: Development of school-to-work skills is essential to the completion of Vocational English 12. Students use technology to create informative presentations for community members, based on research papers written in the first semester. A brief coverage of British literature is completed throughout the year. Novels appropriate to the reading levels of each student are read and compared/contrasted with their own lives. Weekly life skill vocabulary study is included. The Accelerated Reading (AR) program is implemented, and students earn AR points by reading and completing tests over novels at their individual reading levels. Teacher recommendation is required.

**College English 101: Introduction to Academic Writing**

Grade Level: 12

Class Length: Semester

Course #: 050024

Credits: 5 English

Prerequisite: English 11

Description: This course serves as a study of the art of composition with special emphasis on the writing process and on essay form. Students study methods of invention and arrangement and hone their stylistic, grammatical, and punctuation skills.

**College English 102: Academic Writing and Research**

Grade Level: 12

Class Length: Year

Course #: 050024

Credits: 5 English

Prerequisite: English 11

Description: A continuing study of composition with emphasis on intertextuality. Students learn to read texts in a variety of ways, to respond to those texts, to integrate voices from multiple sources into a single paper using standard citation conventions, and to find pertinent information through library research or interviews and to use it to create coherent and well-developed papers.

**Basic English**

Grade Level: 9

Class Length: Year

Course #: 190515

Credits: 10 English

Description: This course is for students who have been diagnosed as Special Education or English Language Learner. It is co-taught with special education and ELL teachers. The course focuses on building and reinforcing basic language skills. Students are engaged in writing and speaking exercises, expanded real-world activities, test preparation, strong vocabulary instruction, high-interest projects, and frequent opportunities to review, practice, and apply Basic English skills. Students will also explore non-fiction and short-stories. Enrollment in this course is by recommendation of the IEP team or ELL department and replaces an English requirement for graduation.

**Basic Composition**

Grade Level: 10

Class Length: Year

Course #: 190515

Credits: 10 English

Description: This course is for students who have been diagnosed as Special Education or English Language Learner. It is co-taught with special education and ELL teachers. The course focuses on the fundamentals of writing, sentences and paragraphs. Students will learn sentence construction, spelling, paragraph development, and how to use sentences and paragraphs in everyday writing. Students will also explore non-fiction, short-stories, and novels. Enrollment in this course is by recommendation of the IEP team or ELL department and replaces an English requirement for graduation.

**ELECTIVE COURSES****Creative Writing**

Grade Level: 10-12

Class Length: Year

Course #: 050100

Credits: 10 Elective

Description: This course concentrates on the craft of writing. Students analyze and create different genres including short story, memoir, poetry, journalism, blogging, etc. Students experience a broad scope of writing types and analyze an author's use of sentence structure, imagery, word choice, and tone. They in turn create their own writing using a chosen author as a model. Authors include but are not limited to Hemingway, Vonnegut, Poe, Salinger, Cummings, and Steinbeck. Elements include the Iceberg Principle, stream-of-consciousness writing, characterization, plot structure, and theme.

**Reading Support 9-12**

Grade Level: 9-12

Class Length: Semester, Year

Course #: 290101

Credits: 5 – 10 Elective

Description: Focus is on developing reading comprehension by increasing vocabulary, summarization skills, and reading strategies. The format of the course is small group and explicit instruction using the REWARDS and Read Naturally reading programs. Reading comprehension is practiced with a variety of texts including fiction, nonfiction, and informational texts. Teacher recommendation is required. A grade in this course is not counted toward GPA.

**Corrective Reading**

Grade Level: 9-12

Class Length: Year

Course #: 059930

Credits: 10 Elective

Description: This course is a program for students who need to further develop their reading skills. Elective credits are earned. Teacher recommendation is required.

## MATHEMATICS

### **Pre-Algebra**

Grade Level: 9-11

Class Length: Year

Course #: 110299

Credits: 10 Math

Description: This class provides an opportunity to extend learning from Math 8 and to provide a foundational basis for Algebra I. Teacher recommendation is required.

### **Basic Pre-Algebra**

Grade Level: 10-12

Class Length: Year

Course #: 191115

Credits: 10 Math

Description: This class provide a foundational basis for Algebra I. Teacher recommendation is required. Enrollment in this course is by recommendation of the IEP team

### **Geometry**

Grade Level: 9-12

Class Length: Year

Course #: 111200

Credits: 10 Math

Prerequisite: Algebra I

Description: Students solve geometric problems involving the following concepts: 1) Right Triangle Trigonometry, 2) Area, 3) Parallel and Perpendicular lines, 4) Properties of Polygons 5) Surface Area and Volume of 3-dimensional figures, 6) Basic Probability, 7) Properties and Classification of Triangles and Quadrilaterals, 8) Properties and Classification of Angles, 9) Properties of Circles, and 10) Reasoning. Algebra skills are essential.

### **Algebra III – Trigonometry**

Grade Level: 11-12

Class Length: Year

Course #: 111600

Credits: 10 Math

Prerequisite: Algebra II

Description: Standards are: 1) learn about sequence and series, 2) evaluate trigonometric ratios and functions, 3) solve probability and statistics, 4) graph trigonometric functions, 5) solve right triangles and oblique triangles, and 6) prove trigonometric identities.

### **Basic Pre-Algebra**

Grade Level: 10-12

Class Length: Year

Course #: 191115

Credits: 10 Math

Description: This class provide a foundational basis for Algebra I. Teacher recommendation is required. Enrollment in this course is by recommendation of the IEP team

### **Algebra I**

Grade Level: 8-12

Class Length: Year

Course #: 110300

Credits: 10 Math

Description: Algebra I is the first step in the high school mathematics sequence and provides a foundation for the following sequence of classes: Algebra I, Geometry, Algebra II, Algebra III, and Calculus. Activities include: 1) learn number operations and variables, 2) solve equations and inequalities, 3) graph linear equations and inequalities, 4) write linear equations, 5) solve systems of linear equations, and 6) evaluate powers and exponents.

### **Algebra II**

Grade Level: 10-12

Class Length: Year

Course #: 110306

Credits: 10 Math

Prerequisite: Algebra I & Geometry

Description: Standards are: 1) evaluate matrices and determinants, 2) solve quadratic equations and parabolas, 3) learn about functions, 4) evaluate powers, roots, and radicals, 5) write and graph exponential and logarithmic functions, 6) factor and solve polynomials and polynomial functions, and 7) solve rational functions. The goal is improving student performance by using innovative practices.

### **AP Calculus**

Grade Level: 12

Class Length: Year

Course #: 110600

Credits: 10 Math

Prerequisite: Algebra III or Teacher Recommendation

Description: Students calculate derivatives and integrals using short-cut rules and describe and apply the theory of limits, derivatives and integrals to real-life functions such as motion and volume. Technology literacy is required. Students may pay to take an additional final test, the results of which may award college credit.

**Business Math**

Grade Level: 11-12

Class Length: Year

Course #: 111800

Credits: 10 Math

Description: Students study and research topics such as home mortgage, buying/leasing automobiles, insurance, simple interest loans/credit, personal banking, income tax and retirement. Students are expected to demonstrate initiative and self-direction. Teacher recommendation is required.

**Non-Credit Course****Geometry Tutoring**

Grade Level: 9-12

Class Length: Semester, Year

Course #: 111200

Credits: 0

Description: In this class students will receive a repeated Geometry lesson and individualized/small group instruction on their Geometry coursework. A variety of methods, such as pre-teaching and re-teaching, will be used. This course is not graded and does not count toward GPA.

**SCIENCE****Physical Science**

Grade Level: 9

Class Length: Year

Course #: 130300

Credits: 10 Science

Description: This course introduces students to the basic principles of physical science including selected topics in chemistry and physics through multiple laboratory and inquiry exercises.

**Biology**

Grade Level: 10

Class Length: Year

Course #: 130201

Credits: 10 Science

Prerequisite: Physical Science

Description: This course is a general survey of all areas of biological sciences. Topics include life science, micro-biology, genetics, ecology, and anatomy. Students learn of the latest developments in medicine, lab equipment, and technology.

**Chemistry I**

Grade Level: 11-12

Class Length: Semester (block 2 class periods)

Course #: 130301

Credits: 10 Science

Prerequisite: Physical Science and Algebra I

Description: This course provides an in-depth study of the principles of inorganic chemistry including properties of matter and atomic theory.

**Basic Math**

Grade Level: 9

Class Length: Year

Course #: 191115

Credits: 10 Math

Description: This course is co-taught with special education and ELL teachers. It focuses on building math skills in whole numbers, basic arithmetic operations, and mastery of simple geometry and algebra as it prepares students for the rigors of difficult standards and proficiency tests. Enrollment in this course is by recommendation of the IEP team or ELL department and replaces a Math requirement for graduation.

**Physical Science Essentials**

Grade Level: 9

Class Length: Year

Course #: 139931

Credits: 10 Science

Description: Through differentiated instruction, this course introduces students to the basic principles of physical science including selected topics in chemistry and physics. It offers less-detailed curriculum than the Physical Science course. Teacher recommendation is required.

**Course Name: Anatomy and Physiology**

Grade Level: 11, 12

Class Length: Year

Course #: 130210

Description: This course provides a basic study of the structure and function of the human body. Topics include a basic study of the body systems as well as an introduction to homeostasis, cells, tissues, nutrition, acid-base balance, and electrolytes.

**Chemistry II**

Grade Level: 11-12

Class Length: Semester (block 2 class periods)

Course #: 130302

Credits: 10 Science

Prerequisite: Chemistry I

Description: This course includes inorganic chemistry topics not covered in Chemistry I such as electrochemistry, acid base chemistry, reaction kinetics, biochemistry, organic chemistry, and environmental chemistry. This is a lab-based course.

**Physics**

Grade Level: 11-12

Class Length: Year

Course #: 130303

Credits: 10 Science

Prerequisite: Physical Science and Algebra II

Description: This course includes many hands on experiments and physics simulations. A strong background in math is highly recommended.

**Principles of Technology I**

Grade Level: 10-12

Class Length: Year

Course #: 130304

Credits: 10 Science

Prerequisite: Physical Science

Description: This course provides an in-depth study of physical science. Many hands-on opportunities are provided to expose students to new technologies needed to measure, collect and analyze data from experiments.

**Course Name: Health Science 1**

Grade Level: 10, 11, 12

Class Length: Semester

Course #: 077300

Description: Introduction to Health Science is designed to give an overview of the therapeutic, diagnostic, support services, biotechnology & research and health informatics pathways. The course focuses on health careers, exploration, leadership development, medical terminology, ethical and legal responsibilities, the history of health care and the economics of health care.

**SOCIAL STUDIES****World Geography**

Grade Level: 9

Class Length: Year

Course#: 150700

Credits: 10 Social Science

Description: This course covers the five major themes of geography. Students apply global population settlement patterns to present situations, explore universal economic and political systems, and identify the major religions of the world.

**Earth Science**

Grade Level: 9-12

Class Length: Year

Course #: 130415

Credits: 10 Science

Description: This course is a general survey of Earth Science. Students will learn about the physical earth and its surroundings. The general topics included for study are geology, meteorology and astronomy.

**Principles of Technology II**

Grade Level: 11-12

Class Length: Semester

Course #: 130306

Credits: 5 Science

Description: This course is an extension of Principles of Technology I. Students investigate the physical science concepts with hands-on opportunities and use various technologies to measure, collect and analyze experimental data. Completion of Principles of Technology I is recommended.

**Integrated Science**

Grade Level: 11-12

Class Length: Semester (1 class period)

Course #: 130420

Credits: 10 Science

Prerequisite: Chemistry II and Physics or PT II

Description: This course will further our study into the more advanced topics not covered during Chemistry II. We will also do some extensive student lead-independent inquiry based investigations in which the student will be responsible for designing and conducting scientific laboratory based research projects. This is a lab-based course.

**Modern World History**

Grade Level: 9-10

Class Length: Year

Course#: 150800

Credits: 10 Social Science

Description: This course covers the Age of Absolutism (1500s) to the present. While an understanding of the history of man and his progress is essential, the most important result to be obtained from this course is the understanding of the historical reasons behind our present cultures and why humans as individuals are different

### **American History**

Grade Level: 11

Class Length: Year

Course #: 150820

Credits: 10 American History

Description: This course involves both a chronological and topical study of American History from Post Civil War reconstruction to the present. Students 1) analyze and describe American involvement onto the world stage militarily, economically, and politically, 2) recall and analyze America's process of extending equal status to the different minority groups throughout the nation's history, and 3) recognize, analyze and apply economic, political, and social policies throughout history to better understand the foundations of past decisions.

### **American Government**

Grade Level: 12

Class Length: Year

Course #: 151110

Credits: 10 American Government

Description: In this course, students recall and identify structural foundations of American Government, global economic systems, roles of citizenship, and the structure/purpose/role of state and local government agencies as part of federalism. Students also outline the key elements of our government systems and their relationship to one another.

## **ELECTIVE COURSES**

### **Economics**

Grade Level: 10-12

Class Length: Semester

Course #: 151000

Credits: 5 Elective

Description: This course offers a look at the basic principles of economics and how they relate to the American economic system. Students examine the free enterprise system, forms of business ownership, the role of labor, how goods are marketed, and the role of finance. The relationship between the U.S. Government and the U.S. economy is also discussed. How the government regulates money supply, taxes, interest rates, plus other topics may be included.

### **21<sup>st</sup> Century American History/Current Events**

Grade Level: 11-12

Class Length: Semester

Course #: 159930

Credits: 5 Elective

Description: This course covers historical events from the 1990's into the first decade of the 21<sup>st</sup> century. Topics include administrations of presidents, foreign policy, and the American economy. Current events are discussed and tied into past events of the decade.

### **The Cold War**

Grade Level: 11-12

Class Length: Semester

Course #: 159931

Credits: 5 Elective

Description: This course focuses on the key events throughout American/Soviet relations from 1945 – 1992 and the impact that those events had on domestic and international policies. Included are the issues leading up to the cold war, the different theaters of the cold war, détente, the nuclear arms race, the consequences of the Korean & Vietnam wars. The course depends heavily upon primary source documents via the internet, newspapers articles, magazine articles, documentaries, and other information sources.

### **American Civil Rights Movement**

Grade Level: 11-12

Class Length: Semester

Course #: 151103

Credits: 5 Elective

Description: This course explores key characters, legislation, events, regional racial differences, and locations of the American Civil Rights movement. The course depends heavily upon various primary source documents via the internet, newspaper articles, magazines articles, documentaries, and other information sources.

### **Sports History**

Grade Level: 10-12

Class Length: Semester

Course #: 159932

Credits: 5 Elective

Description: Examines the development of major spectator sports in America from their localized beginnings to their highly organized and enormously powerful present condition.

## **PHYSICAL EDUCATION/HEALTH**

### **Physical Education/Health I**

Grade Level: 9

Class Length: Year

Course #: 080200/080101

Credits: 5/5 PE/Health

Description: Students participate in various aerobic activities to improve their physical conditioning, motor skills, and movement patterns. This course also offers an in-depth look at various health issues such as alcohol/drugs/ tobacco use, personal goal setting, sexually transmitted disease, mental health, stress management, environmental health, the importance of physical activity, and diet/nutrition.

## **ELECTIVE COURSES**

### **Peak Performance**

Grade Level: 10-12

Class Length: Year

Course #: 089930

Credits: 10 Elective

Description: This course provides strength and core training programs to improve students' physical skills. The course is designed to develop conditioning, flexibility, strength, and injury prevention, and to develop confidence and self-respect.

### **Physical Education II**

Grade Level: 10-12

Class Length: Year

Course #: 080300

Credits: 10 Elective

Prerequisite: Physical Education/Health I

Description: This course builds on information presented in Physical Education I. Students perform various motor skills & movements necessary to perform a variety of sports and activities. Several lifetime activities are included. Proper sportsmanship and social behavior is stressed and exhibited during participation.

### **Peak Performance Plus**

Grade Level: 10-12

Class Length: Year

Course #: 089930

Credits: 10 Elective

Prerequisite: Student must be out for a varsity sport

Description: The course is to improve those students' athletic skills through cardiovascular training, flexibility, strength & core training, and speed drills. The course will also develop practice habits techniques and mental training components to improve athlete's performance.

## **CAREER AND TECHNOLOGY EDUCATION (CTE) PROGRAMS OF STUDY**

**Completion of the courses marked with \* within a Program of Study results in Central Community College elective credit.**

### **CTE INFORMATION TECHNOLOGY**

#### **Information Technology Applications I**

Grade Level: 9

Class Length: Year

Course #: 270501

Credits: 10 Information Technology

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

#### **Information Technology Applications II**

Grade Level: 10

Class Length: Semester

Course #: 270502

Credits: 5 Information Technology

Prerequisite: Information Technology I

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

## **CTE COURSES**

### **Web Design and Development \***

Grade Level: 11-12

Class Length: Semester

Course #: 270604

Credits: 5 CTE

Description: Students demonstrate knowledge of web design and languages, including HTML, and utilize web design software to develop web pages. Students apply principles and elements of design using images, hyperlinks, tables, and cascading style sheets. Students may also maintain the school web site.

### **Advanced Digital Design**

Grade Level: 11-12

Class Length: Semester

Course #: 270613

Credits: 5 CTE

Description: Advanced Digital Design is the final course in the Digital Design Pathway. Students focus on integrating computer skills and promoting individual design concepts and approaches in digital design. Studio problems are used to continue study in a variety of visual disciplines. The course includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the real world of digital design: composition, color theory, illustrations, displays, promotional materials, packaging, logos, motion graphics, and the manipulation of photographic images

## **FINANCE/ACCOUNTING**

### **Accounting I \***

Grade Level: 11-12

Class Length: Year

Course #: 030300

Credits: 10 CTE

Description: This 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.

### **Advanced Accounting**

Grade Level: 12

Class Length: Year

Course #: 030301

Credits: 10 CTE

Prerequisite: Accounting I

Description: This course includes partnership and corporate accounting, adjustment in inventory controls 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.

### **Personal Finance \***

Grade Level: 11-12

Class Length: Semester

Course #: 033000

Credits: 5 CTE

Description: This course is 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. Students experiment with hands-on activities such as The Stock Market Game and Virtual Business-Personal Finance software.

## EDUCATION AND TRAINING/EARLY CHILDHOOD

### Human Development

Grade Level: 9-12

Class Length: Semester

Course #: 350002

Credits: 5 CTE

Description: Independent living concepts are covered throughout this course to fit current student needs. Possible subjects include self-understanding, self-concept, personal values, decision-making, family relationships, stress and crisis management, dating, and relationships.

### Early Childhood Education I \*

Grade Level: 10-12

Class Length: Semester

Course #: 350015

Credits: 5CTE

Description: This course provides students with an understanding of the aspects of human growth and development. Parenting skills are developed as positive guidance techniques and child related issues are studied. Learning activities, observation techniques, and lab experiences in working with young children may be included. Student leadership is an integral part of the course for students in FCCLA.

### Foods and Nutrition \*

Grade Level: 9-12

Class Length: Semester

Course #: 090107

Credits: 5 CTE

Description: This course provides students with knowledge and skills about food preparation with a strong emphasis on Nutrition, balanced diets, and satisfying special dietary needs. It includes safety and sanitation, proper use of equipment, meal planning and preparation, current food issues, multicultural and ethnic foods, cake decorating, and holiday food preparation. Through an articulation agreement with Central Community College (CCC), any junior or senior completing this course with an A or B is eligible for 3 CCC credit hours without charge.

### Early Childhood Education II \*

Grade Level: 10-12

Class Length: Semester

Course #: 350020

Credits: 5 CTE

Prerequisite: Early Childhood Education I

Description: This course prepares individuals for child-related careers and/or more extensive parenting skills through personal interaction with children. Instruction is given in developing positive relationships with and learning experiences for children, childcare policies and management, guidance techniques, and health and safety concerns. Student leadership is an integral part of the course for students in FCCLA. Through an articulation agreement with Central Community College (CCC), any junior or senior completing this course with an A or B is eligible for 1 CCC credit hour without charge.

## ARCHITECTURE AND CONSTRUCTION

### Introduction to the Built Environment \*

Grade Level: 9-12

Class Length: Year

Course #: 100100

Credits: 10 CTE

Description: This course builds a knowledge base and the technical skills in all aspects of the architecture and construction industry. Students are exposed to a broad range of architecture and construction careers. Students must pay for materials used.

### Welding

Grade Level: 11-12

Class Length: Semester

Course #: 101930

Credits: 5 CTE

Prerequisite: Introduction to the Built Environment

Description: This is a project oriented course designed for the student who has an interest in metal fabrication, joining, and metallurgy. Students learn the safe and proper use of an oxy-acetylene torch, ARC welder, and wire-feed welders as well as proper shop etiquette and safety procedures. Students must pay for materials used.

### Language of Architecture and Construction

Grade Level: 11-12

Class Length: Semester

Course #: 100130

Credits: 5 CTE

Description: This course builds the skills necessary to understand what is being communicated through drawings and documents, and in turn, convey ideas, duties, and tasks to others in a form representing the industry. Students use and follow industry specific verbal and visual skills to accomplish workplace/jobsite communications. Computer-aided drafting/design (CADD) may be used.

**Manufacturing - Welding**

Grade Level: 9-12

Class Length: Year

Course #: 101930

Credits: 10 CTE

Description: This is a beginning level course that introduces the student to basic knowledge and skills that are foundational to welding manufacturing. Safety, measuring, planning and production processes will be covered.

**Manufacturing - Woods**

Grade Level: 9-12

Class Length: Year

Course #: 101920

Credits: 10 CTE

Description: This is a beginning level course that introduces the student to basic knowledge and skills that are foundational to manufacturing. Safety, measuring, planning and production processes will be covered.

**PERFORMING ARTS****Jazz Band**

Grade Level: 9-12

Class Length: Year

Course #: 120550

Credits: 4 Humanities

Description: This course may require auditions. It requires each member to attend all 7:00 a.m. practices on Mondays and Wednesdays during quarters 2 through 4. Performances include winter concert, spring concert, clinics, and district music contest. A grade in this course is not counted toward GPA.

**Jazz Lab**

Grade Level: 9-12

Class Length: Year

Course #: 120550

Credits: 10 Humanities

Description: Class is intended for students with instrumental experience, be it horns, guitar, keyboard or percussion. The class will consist of theory of music improvisation, jazz/blues/rock history through performance and medium to advanced performance techniques. Students will learn the art of jazz/blues/rock ensemble playing and improvisation. Music will include a wide variety of music from the jazz/blues/rock styles. This is not a performance class, although students may wish to showcase their talents in venues as the situation arises. Band is NOT a prerequisite, but an understanding of an instrument is helpful.

**Jazz Band**

Grade Level: 9-12

Class Length: Year

Course #: 120550

Credits: 4 Humanities

Description: This course may require auditions. It requires each member to attend all 7:00 a.m. practices on Mondays and Wednesdays during quarters 2 through 4. Performances include winter concert, spring concert, clinics, and district music contest. A grade in this course is not counted toward GPA.

**Guitar**

Grade Level: 9-12

Class Length: Year

Course #: 120650

Credits: 10 Humanities

Description: This course covers the fundamentals of guitar playing. Students learn to read music and play the guitar starting with basic melodies and chords and moving on at their own pace. Students work together as a group as well as one-on-one with the teacher. Students are required to provide their own guitar, extra strings, picks, and any other necessary supplies

**Band**

Grade Level: 9-12

Class Length: Year

Course #: 120500

Credits: 10 Humanities

Prerequisite: Previous Instrumental Music Experience

Description: This course is both skill- and performance-based where students work on instrument fundamentals, learn to play pep band songs and concert band music, practice marching for street parades, and read band literature. Auditions for solos, ensembles, and honor bands are available. The course requires 7:00 a.m. Marching Band practices on Mondays, Wednesdays, and Fridays through mid-October. Performances include Pep Band at sporting events, parades, a winter concert, a spring concert, music contests, community events, and the graduation ceremony.

### **Choir**

Grade Level: Grades 9-12

Class Length: Year

Course #: 120400

Credits: 10 Humanities

Description Student learn the fundamentals of music such as (symbols, terms, tempo, dynamics, diction, harmony), as well as build a strong sense of teamwork, unity and balance so that they will be able to focus on unison, SAB and SATB choral music. Performances include the GEA Pancake Feed, Veteran's Day Program, Fall Choral Conference, Spring District Music Contest, Winter Concert, and Spring Concert. Students will wear matching outfits, which are determined by the Director and students in the Fall. This may involve the purchase of an outfit of some kind. In addition, students are required to have a choir t-shirt. This t-shirt is purchased in the Fall and is \$10.00 or less. Students have the opportunity to audition for Nebraska All-State Choir, and many other State Honor Choirs, as well as attend various workshops, clinics, sing solos or be a part of a small ensemble for District Music Contest or concerts and have various other singing opportunities.

### **Advanced Vocal Techniques and Performance**

Grade Level: 9-12

Course Length: Year

Course: 120450

Credits: 10 Humanities

Description: This class is offered for students interested in improving their vocal techniques for solo work. Students interested in auditioning for honor choirs, all-state, district solos are strongly encouraged to sign up for this class. Special emphasis will be placed on auditioning techniques, appropriate warm-ups for your voice and learning songs in other languages. This class is not intended to replace H.S. Choir. It is to enhance the committed, dedicated singer who wants to improve their voice.

### **History of Rock**

Grade Level: 9-12

Class Length: Semester

Course #:

Credits: 5 Humanities

Description: The class will focus on the growth of the music genre generally known as Rock. Study will begin with the birth of Rock in the 1950's up to the modern era, and include subsets of the genre. Course of study will include lecture, listening and research papers.

## **VISUAL ARTS**

### **Art I**

Grade Level: 9-12

Class Length: Year

Course #: 020100

Credits: 10 Humanities

Description: This course is designed for the student who has mastered the two-dimensional skills begun in seventh grade. Emphasis is on drawing, design and beginning three-dimensional experience, using a wide array of subject matters. An in-depth study of one artist is completed, as well as a PowerPoint presentation of the elements and principles of art.

### **Show Choir**

Grade Level: 7-12

Class Length: Year

Course #: 120450

Credits: 4 Humanities

Description: This course requires an audition which results in membership in one of two performing choirs. Women's Show Choir meets Monday and Wednesday mornings from 7:00-7:55. Mixed Show Choir (for boys and girls) meets Tuesday and Thursday mornings from 7:00-7:55. Students learn 12-14 songs with choreography throughout the year, including seasonal music. Dance experience is not required. Members wear matching outfits that are purchased every 2 years by the students. Students perform at events such as the GEA Pancake Feed, Veteran's Day Program, Fall Choral Conference, Spring District Music Contest, Winter Concert, and Spring Concert. We try to attend at least one show choir competition a year. A grade in this course is not counted toward GPA.

### **Music History and Appreciation**

Grade Level: 9-12

Class Length: Semester

Course #: 129930

Credits: 5 Humanities

Description: This course surveys the progression and development of Western music from the time of Ancient Greece to the present. Emphasis is on the comparison of different styles, forms, instrumentation, and composers from the various historical periods. Students use listening and writing in order to learn about and appreciate music throughout history. Students gain vocabulary, knowledge and analytical skills to identify music from contrasting periods. They are also introduced to major masterworks.

### **Music Theory and Composition**

Grade Level: 9-12

Class Length: Year

Course #: 129932

Credits: 10 Humanities

Description: This course surveys the elements of written music. Starting with basic note reading, students gain the basic knowledge to compose music of their own. The course is a combination of lecture, discussion, listening, group work, and hands-on experience. Second semester focuses on digital music production, recording, and arranging.

### **Art II**

Grade Level: 10-12

Class Length: Year

Course #: 020200

Credits: 10 Humanities

Prerequisite: Art I

Description: This course is designed for the advanced student of art. All areas of art are touched on and each student is expected to develop his/her strong area. Freedom, self-expression and creative discipline are stressed.

### **Art III**

Grade Level: 11-12

Course #: 020300

Credits: 10 Humanities

Prerequisite: Art II

Description: This course is designed for the advanced art student with the potential interest in making art a career. All areas of interest are explored. Each student is expected to develop his/her strong area. More freedom, self-expression and creative discipline are stressed.

### **Introduction to Digital Design**

Grade Level: 10-12

Class Length: Semester

Course #: 270611

Credits: 10 Humanities

Prerequisite: Art I

Description: This course will introduce students to the technical tools and processes used in digital design. Students will be introduced to the design process model which includes typography, color, and imagery. In addition, design software will be utilized to manipulate photographs and create graphics. Students will demonstrate proper use of fair use guidelines. Career opportunities in digital design will be explored.

## **FOREIGN LANGUAGE**

### **Spanish I**

Grade Level: 9-12

Class Length: Year

Course #: 060241

Credits: 10 Humanities

Description: This course introduces the Spanish language using the four basic communication skills: reading, writing, listening, and speaking. Students quickly speak/read Spanish through TPRS (Total Physical Response Storytelling), which incorporates stories and discussions. Students acquire the 100 highest frequency words in Spanish. They also study Spanish culture, vocabulary, and grammatical concepts.

### **Spanish III**

Grade Level: 10-12

Class Length: Year

Course #: 060243

Credits: 10 Humanities

Prerequisite: Spanish II

Description: This course focuses on reading a novel about El Salvador and the adventures of a Peace Corp volunteer. The story is used to learn more advanced grammatical concepts. The course provides a review of culture, vocabulary, and grammatical concepts covered in Spanish I and II. TPRS (total physical response storytelling), is used to teach reading, writing, listening, and speaking.

### **Art IV**

Grade Level: 12

Class Length: Year

Course #: 020400

Credits: 10 Humanities

Prerequisite: Art III

Description: This course is designed for the advanced art student with the potential interest in making art a career. All areas of interest are explored. Each student is expected to develop his/her strong area. More freedom, self-expression and creative discipline are stressed. Upon completion of this course, students have an electronic portfolio of their works created throughout their high school career.

### **Intermediate Digital Design**

Grade Level: 10-12

Class Length: Semester

Course #: 270612

Credits: 10 Humanities

Prerequisite: Introduction to Digital Design

Description: Intermediate Digital Design is the second course within the Digital Design Pathway where students will focus on developing advanced skills to plan, design, and create interactive projects using the elements of text, graphics, photography, sound, and digital imaging in interactive projects. These skills can prepare students for entry-level positions and other occupational or educational goals.

### **Spanish II**

Grade Level: 9-12

Class Length: Year

Course #: 060242

Credits: 10 Humanities

Prerequisite: Spanish I or Teacher Recommendation

Description: This course provides students with a review of culture, vocabulary, and grammatical concepts covered in Spanish I. TPRS (Total Physical Response Storytelling), reading, writing, listening, and speaking, are used. Students also review Spanish high frequency words, and are introduced to irregular verbs, verbs in different tenses, new vocabulary, and new areas of Spanish culture. Students complete several projects and read numerous short stories.

### **Spanish IV**

Grade Level: 11-12

Class Length: Year

Course #: 060244

Credits: 10 Humanities

Prerequisite: Spanish III

Description: This course provides a review of culture, vocabulary, and grammatical concepts covered in Spanish I, II and III. Through TPRS (total physical response storytelling), reading, writing, listening, and speaking are taught to students as they become fluent in Spanish. The course covers advanced grammatical concepts as well as translation and interpretation (simultaneous and consecutive). Students work on individualized projects as well as group projects, and are completely immersed in the language.

## **Spanish V**

Grade Level: 12

Class Length: Year

Course #: 060245

Credits: 10 Humanities

Prerequisite: Spanish IV

Description: This comprehensive course reviews all previously studied culture, vocabulary, and grammatical concepts. It enables students to understand more complex lines of conversation including idiomatic expressions. Students fluently express themselves in both social and professional settings. They focus more deeply on translation and interpretation (simultaneous and consecutive). Students work on individual and group projects to enhance their language abilities. Students also explore various career opportunities and the benefits multilingualism has on their future.

## **English for Native Speaking Spanish Students I**

Grade Level: 9-12

Class Length: Year

Course #: 069930

Credits: 10 Humanities

Description: In this course, students are emerged in high frequency words in both Spanish and English. Students become proficient in both writing and speaking by reading short stories and novels in Spanish and translating and interpreting into English. Students are also exposed to grammar and other vocabulary in both languages. Projects are completed in English, some of which are based on the student's native country.

## **English for Native Speaking Spanish Students II**

Grade Level: 9-12

Class Length: Year

Course #: 069931

Credits: 10 Humanities

Description: In this course, students are emerged in high frequency words in both Spanish and English. Students become proficient in both writing and speaking by reading short stories and novels in Spanish and translating and interpreting into English. Students are also exposed to grammar and other vocabulary in both languages. Projects are completed in English, some of which are based on the student's native country.

## **OTHER ELECTIVE COURSES**

### **Digital Media A - Level 1**

Grade Level: 10-12

Class Length: Semester

Course #: 270602

Credits: 5 CTE

Course Description: Students will create, design, and produce digital media including sound, video, graphics, text, and animation. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management, and web processes. A flipped curriculum available on Schoology. Students will complete 1-2 week modules with a project demonstrating mastery due at the end of each module. Digital Media a students are required to Live Stream a minimum of 2 events (these are paid positions).

### **Digital Media B - Level 2**

Grade Level: 10-12

Class Length: Semester

Course #: 270602

Credits: 5 CTE

Course Description: Students will create, design, and produce digital media including sound, video, graphics, text, and animation. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management, and web processes. \*\* Digital Media B students are required to Livestream 2 events (these are paid positions)

### **Video Production A - Semester 3**

Grade Level: 11-12

Class Length: Semester

Course #: 270609

Credits: 5 CTE

Course Description: Students will expand their media skills of interviewing, reporting, writing, editing, photography/videography, and design. Students will explore careers while working together to create projects in a variety of media, such as web, podcast, and/or broadcast. The emphasis of Video Production is on collaboration and career exploration. Create a monthly BTV segment using your iPad and iMovie. This will be set up on a rotational schedule. You will work with different partners and be responsible for a different segment each month. This will require you to: collaborate with others, research segment ideas, storyboard, and script, film (work with lights and audio), edit.

### **Media Production A - Semester 5**

Grade Level: 11-12

Class Length: Semester

Course #: 270610

Credits: 5 CTE

Course Description: Students will expand their media skills of interviewing, reporting, writing, editing, photography/videography, and design. Students will explore careers while working together to create projects in a variety of media, such as web, podcast, and/or broadcast. The emphasis of Media Production is to work both independently and collaboratively to create a professional product while meeting deadlines. Choose your own focus. Students wanting to take Media Production A must submit a project proposal to the teachers for approval.

### **Pathways to Success**

Grade Level: 10-12

Class Length: Year

Course #: 260200

Credits: 10 Elective

Description: Pathways to success is a three year course designed to promote academic success for prospective first generation high school and college graduates. The course begins in 10<sup>th</sup> grade and is created to provide students with the tools and skills necessary to be best prepared for attending a four year university or 2-year community college. Emphasis is put on career exploration, resume building, life skills, and scholarship applications. This is a course designed for students who are highly motivated to attend college but need additional support to achieve their goal.

### **Student Aide**

Grade Level: 11-12

Class Length: Year

Course #: 230800

Credits: 10 Elective

### **Video Production B - Semester 4**

Grade Level: 11-12

Class Length: Semester

Course #: 270609

Credits: 5 CTE

Course Description: Students will expand their media skills of interviewing, reporting, writing, editing, photography/videography, and design. Students will explore careers while working together to create projects in a variety of media, such as web, podcast, and/or broadcast. The emphasis of Video Production is on collaboration and career exploration. Create a monthly BTV segment using the Panasonic camera (or other pre-approved recording devices) and editing with Adobe Premiere Pro. This will be set up on a rotational schedule. You will work with different partners and be responsible for a different segment each month. This will require you to: collaborate with others, research segment ideas, storyboard, and script, film (work with lights and audio), edit.

### **Media Production B - Semester 6**

Grade Level: 11-12

Class Length: Semester

Course #: 270610

Credits: 5 CTE

Course Description: Students will expand their media skills of interviewing, reporting, writing, editing, photography/videography, and design. Students will explore careers while working together to create projects in a variety of media, such as web, podcast, and/or broadcast. The emphasis of Media Production is to work both independently and collaboratively to create a professional product while meeting deadlines. Choose your own focus. Students wanting to take Media Production B must submit a project proposal to the teachers for approval.

### **Relationships**

Grade Level: 9-12

Class Length: Semester, year

Course #: 090116

Credits: 5 Elective

Description: This course includes the study of interpersonal relationships on the well-being of individuals, families, work, and society. Students will have the opportunity to create a scrapbook for their family or themselves. They will also design and make projects that will enhance their family relationships. FCCLA activities will be incorporated into the curriculum.

Description: This course is for students working in certain areas of school operation (Superintendent Office, Athletic Director Office, Nurse Office, Junior High PE, and FBLA). The teacher must interview students and recommend the Student Aide. Administrator approval is required. This course is not graded.

**Vocational Experiences**

Grade Level: 11-12

Class Length: Semester

Course #: 192015

Credits: 5 Elective

Description: This course is for students with IEPs and is designed to provide opportunities to acquire effective employment skills. The goal is fulltime employment upon graduation. Approval by the IEP team is required. The course is graded on a Pass/Fail basis.

**ACT Prep**

Grade Level: 10-12

Class Length: Semester

Course #: 300100

Credits: 5 Elective

Description: This course is an online curriculum that helps students improve their performance on the ACT tests. Students have the opportunity to work through sample questions for English, Math, Reading, Science, and Writing. Students may use this course time as a study hall after receiving a satisfactory score on the ACT. A grade in this course is not counted toward GPA.

**High Ability Learners (HAL)**

Grade Level: 9-12

Class Length: Semester, year

Course #: 300100

Description: HAL class will be independent studies done on subject matter of students' choice. Emphasis is on problem solving. Students will design their own semester of learning along with deadlines and accountability checks built in. Teacher recommendation is required.

**Miscellaneous Online Courses**

Grade Level: 11-12

Class Length: Semester or Year

Credits: 5-10 Elective

Description: Students are welcome to take online courses from any high school or college, earning college credit and/or Gibbon High School credit as appropriate. Students are encouraged to find courses of interest according to their career plans. Previous courses that were broadcast via the Distance Learning network include agriculture, foreign languages, and anatomy. Distance Learning students must demonstrate self-discipline, high levels of organization, and advanced technological skills, as these courses do not offer face-to-face teacher interactions. Central Community College courses have been requested; most common are Medical Terminology, Sociology, Psychology, College Algebra, and English Literature. Some Advanced Placement courses are available. Any college tuition and fees are the responsibility of the student. Grades in college courses are not counted toward GPA.

**English as a Second Language**

Grade Level: 9-12

Class Length: Year

Course #: 310010

Credits: 10 English

Description: This course teaches the English language to students who have limited English speaking skills. Goals are: to provide English language skills appropriate to the student's grade level as rapidly as possible, orient the student to culture patterns of American life, develop awareness of cultural diversity, encourage pride in bilingual skills, and enable students to make academic progress in high school courses. Teacher recommendation is required. A grade in this course is not counted toward GPA.