CERRO GORDO HIGH SCHOOL

COURSE DESCRIPTION HANDBOOK 2025- 2027

This handbook is where you can find all of our course offerings and graduation requirements. Our goal is to serve all students and help them meet their educational and future career goals. At Cerro Gordo High School, we pride ourselves in knowing that we have designed a curriculum package that serves all students. Students will be prepared whether they enter the workforce, community college, 4-year university, trades or the military. We hope that all of our students at Cerro Gordo leave high school READY TO SUCCEED!

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Cerro Gordo High School Graduation Requirements:

26 Credits of required and elective courses
Pass state mandated flag, US and IL Constitution Tests (State requirement)
25 hours of community service (beginning with the class of 2024-2025)
Take the ACT with Writing (State requirement)
Complete the FAFSA or FAFSA Waiver Form (State requirement)

Course Requirements for Graduation:

- 4 Credits English
- 3 Credits Math, including Algebra 1, Geometry and Algebra 2
- 3 Credits Science, including Biology
- 3 Credits Social Studies, including American History, World History and Government (Civics)
- ½ Credit Resource Management
- 2 Credits of Electives from CTE, Music, Art or Foreign Language
- 4 Credits P.E. (including Health and Drivers Ed.).
- 6.5 Credits of additional electives
  =26 Credits

COLLEGE PREPARATORY CORE CURRICULUM

The following is a recommended course of study for students planning to attend a four-year college or university or a community college transfer program.

4 Years of English

3 Years of Math (Algebra 1, Geometry and Algebra 2; Algebra I taken as an 8th grader does not count toward 4-year college admission requirement)

3 Years of Social Studies (American History, World History and Government)

3 Years of Lab Science (Biology, Chemistry, Physics)

**2 years of a Foreign Language, Music, Art or CTE Classes

**Some universities require two or more years of the same foreign language for admission. Those that do not require a foreign language as an admission requirement, may require two years of a foreign language for graduation from their institution. Check the university/college of your choice for specific admission requirements.

Students who are planning to enroll in a NCAA college/university need to meet NCAA core course requirements. See your school counselor for information.

COURSE ENROLLMENT POLICY

Students may enroll in courses using the following guidelines:

1. The **minimum** number of credits a student must take in any academic year is 6 classes **plus** P.E. (with the exception of seniors who are enrolled in the Work Program or if the student qualifies for a PE waiver).
2. The **maximum** number of study halls a student may have in any one semester is limited to **ONE**.
3. Enrollment in a year-long course represents a commitment by the student to complete both semesters of the course. Therefore, dropping out of a year-long course at the semester will be made on a case by case basis by the principal and school counselor.

RESOURCES FOR FOUR YEAR UNIVERSITY ENROLLMENT AND NCAA REQUIREMENTS:

State Universities in Illinois: https://www.iacac.org/state-universities-illinois/
NCAA Eligibility Center: https://web3.ncaa.org/ecwr3/
NAIA Eligibility Center: https://play.mynaia.org/high-schools/
NAIA Interactive Map: https://www.naia.org/schools/membership-map

Cerro Gordo High School
Course Descriptions
2025-2027

(The courses listed herein are classes that CGHS has to offer. Not every course is offered every year. Courses are dependent on class size and teacher availability.)

AGRICULTURE

INTRODUCTION TO AGRICULTURAL INDUSTRY (CTE)
1801 18001A001 9, 10, 11, 12 1 cr.
This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (1 credit)

BASIC AGRICULTURAL SCIENCE (CTE)
1802 18003A001 10, 11, 12 1 cr.
Prerequisite: Intro to Ag Industry
This course builds on basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include agricultural research, soil science, advanced plant science, biotechnology, advanced animal science. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. This is a lab science.

BASIC AGRICULTURAL MECHANICS (CTE) Offered odd years
1803 18401A001 10, 11, 12 1 cr.
Prerequisite: Intro to Ag Industry or have taken at least one other Ag. course or instructor permission
In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agricultural mechanics. Instructional areas include the basic fundamentals of maintaining and repairing small gasoline engines, basic electricity, welding, construction, cold metal work, and operating agricultural equipment safely. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

AGRI-BUSINESS MANAGEMENT (CTE) Offered even years

1807 18201A001 10, 11, 12 1 cr.

Prerequisite: Intro to Ag Industry highly recommended

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision making, commodities, and building leadership skills. This course may also incorporate a survey of the careers within the agricultural industry.

BASIC HORTICULTURAL SCIENCE (CTE)

1804 18052A001 10, 11, 12 1 cr.

Prerequisite: Intro to Ag Industry highly recommended or instructor permission

This course is designed to introduce students to the horticulture industry and provide them with basic plant science knowledge that can be further developed in advanced horticulture courses. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying horticultural plants, growing greenhouse crops, and floral design. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. This is a lab science.

SMALL ANIMAL CARE (CTE)

1805 18102A001 9, 10, 11, 12 .5 cr.

Small Animal Care courses focus on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, use of qualitative and quantitative analyses for decision making, facilities, handling and training, and grooming are typical areas of study.

VETERINARY SCIENCE (CTE)

1806 18105A001 9, 10, 11, 12 .5 cr.

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Topics to be discussed include veterinary terminology, anatomy and physiology, pathology, genetics, handling and restraint, first-aid, and physical examinations along with common surgical skills. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

SUPERVISED AGRICULTURAL EXPERIENCE (SAE I) (CTE)

1808 18348A000 9 .5 cr.

This experience program is for students in the 9th grade. This course is designed to establish knowledge and skills in various agricultural careers. Students will gain credit by establishing a project at their home, at a local business, or at their school usually after normal school hours. Example projects may include, but are not limited to: working at a garden center, raising vegetables/grain/livestock, conducting agri-science experiments in a greenhouse, and training horses at a stable. Students will be required to verify their experiences by keeping written or computerized records including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth. Instructor supervision will be conducted to the student's home or place of employment. SAE records should be evaluated at least once per month. In addition, SAE lessons are integrated in each agricultural course. SAE participation can lead to fulltime employment, scholarships, and awards through the FFA.

SUPERVISED AGRICULTURAL EXPERIENCE (SAE II) (CTE)

1809 18348A000 10 1 cr.

This experience program is for students in the 10th grade. This course is designed to establish knowledge and skills in various agricultural careers. Students will gain credit by establishing a project at their home, at a local business, or at their school usually after normal school hours. Example projects may include, but are not limited to: working at a garden center, raising vegetables/grain/livestock, conducting agri-science experiments in a greenhouse, and training horses at a stable. Students will be required to verify their experiences by keeping written or computerized records including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth. Instructor supervision will be conducted to the student's home or place of employment. SAE records should be evaluated at least once per month. In addition, SAE lessons are integrated in each agricultural course. SAE participation can lead to fulltime employment, scholarships, and awards through the FFA.

SUPERVISED AGRICULTURAL EXPERIENCE (SAE III) (CTE)

1810 18348A000 11 1 cr.

This experience program is for students in the 11th grade. This course is designed to establish knowledge and skills in various agricultural careers. Students will gain credit by establishing a project at their home, at a local business, or at their school usually after normal school hours. Example projects may include, but are not limited to: working at a garden center, raising vegetables/grain/livestock, conducting agri-science experiments in a greenhouse, and training horses at a stable. Students will be required to verify their experiences by keeping written or computerized records including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth. Instructor supervision will be conducted to the student's home or place of employment. SAE records should be evaluated at least once per month. In addition, SAE lessons are integrated in each agricultural course. SAE participation can lead to fulltime employment, scholarships, and awards through the FFA.

SUPERVISED AGRICULTURAL EXPERIENCE (SAE IV) (CTE)

1811 18348A000 12 1 cr.

This experience program is for students in the 12th grade. This course is designed to establish knowledge and skills in various agricultural careers. Students will gain credit by establishing a project at their home, at a local business, or at their school usually after normal school hours. Example projects may include, but are not limited to: working at a garden center, raising vegetables/grain/livestock, conducting agri-science experiments in a greenhouse, and training horses at a stable. Students will be required to verify their experiences by keeping written or computerized records including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth. Instructor supervision will be conducted to the student's home or place of employment. SAE records should be evaluated at least once per month. In addition, SAE lessons are integrated in each agricultural course. SAE participation can lead to fulltime employment, scholarships, and awards through the FFA.

ART

CREATIVE ART COMPREHENSIVE 1, 2, 3, 4

510, 511, 512, 513 55154A000 9, 10, 11, 12 1 cr.

Creative Art-Comprehensive courses provide to students the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

COMPUTER AND INFORMATION SYSTEMS (CIS)

COMPUTER CONCEPTS AND SOFTWARE APPLICATIONS (CTE)

1001 10004A001 9, 10, 11, 12 .5 cr.

Computer Concepts and Software Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software, such as Google applications and/or Microsoft applications. Students will explore topics related to computer concepts, operating systems, telecommunications and emerging technologies. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases.

DRIVER EDUCATION/HEALTH/PHYSICAL EDUCATION

DRIVER EDUCATION (Classroom and Behind the Wheel)
803 08152A000 9, 10 .5 cr.
Prerequisite: Must have passed 8 academic classes in two semesters prior to enrolling in driver education class (State of Il requirement). Students may not miss more than 3 days of class or they are removed.
Drivers' Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses. You are required to drive on a permit for a period of nine months from the date issued. In addition, students are required to log 50 (40 day time and 10 night time) hours of driving with a parent before receiving a license. Although the experience of driving a vehicle is an essential component of these courses, the behind the wheel phase is not compulsory. Those with late birthdays will do behind the wheel when age appropriate. Students must complete 30 classroom hours, 6 driving hours with an instructor, hold permit for 9 months and be 16 years of age to be eligible for their driver's license. **Required**

HEALTH EDUCATION
802 08051A000 9, 10, 11, 12 .5 cr.
Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources. **Required**

PHYSICAL EDUCATION
801 08001A000 9, 10, 11, 12 1 cr.
Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities. **Required unless you qualify for a waiver.**

ENGLISH

ENGLISH/LANGUAGE ARTS I (Com/Lit 1)
101 01001A000 9 1 cr.
English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.
Required

ENGLISH/LANGUAGE ARTS II (Com/Lit 2)

102 01002A000 10 1 cr.

Prerequisite: English/Language Arts I

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

Required

ENGLISH/LANGUAGE ARTS III (Com/Lit 3)

103 01003A000 11 1 cr.

Prerequisite: English/Language Arts II

English/Language Arts III continues to develop students' critical thinking, reading, research, and writing skills. Writing instruction emphasizes clear, logical writing patterns, word choice, and usage, as students continue to hone writing skills through a variety of different genres. Students will also continue to learn the techniques of writing effective research papers. American literature selections that emphasize our nation's growth and development of ideals are read, and two novels are studied in detail. These works often form the backbone of the course's larger summative assessments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. Preparation for the standardized SAT test is also provided. **Required**

ENGLISH/ LANGUAGE ARTS IV (Com/Lit 4)

104 01004A000 12 1 cr.

Prerequisite: English/Language Arts III

This college preparatory English course is highly recommended for college bound seniors. English/Language Arts IV courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers. English literature emphasizing the classics in the study of poetry, short epic, drama and novel genres are included. **Required if not enrolled in RTA ENG 101 and ENG 102 for dual credit.**

FAMILY AND CONSUMER SCIENCE

INTRODUCTION TO FAMILY AND CONSUMER SCIENCES CAREERS (CTE)

1901 19251A001 9, 10, 11, 12 .5 cr.

This course introduces students to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource management; human development and life-long learning; facility design, care, and management; and interpersonal relationships and life management skills. Possible supply cost will be the responsibility of the student.

NUTRITION AND CULINARY ARTS I (Foods I) (CTE)

1905 16054A001 9, 10, 11, 12 1 cr.

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

NUTRITION AND CULINARY ARTS II (Foods II) (CTE)

1906 16054A002 9, 10, 11, 12 1 cr.

Prerequisite: Nutrition and Culinary Arts I (Foods I)

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

TEXTILES AND DESIGNS (Sewing) (CTE)

1908 19201A001 9, 10, 11, 12 .5 cr.

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

CHILD DEVELOPMENT (CTE)

1904 19052A000 9, 10, 11, 12 .5 cr.

Child Development courses provide students with knowledge about the physical, mental, emotional, social, and moral growth and development of children from conception to pre-school age, emphasizing the application of this knowledge in child care settings and/or home environments. Brain development and current developmental research are addressed. These courses typically include related topics such as the appropriate care of infants, toddlers, and young children.

PARENTING (CTE)

1903 22204A001 9, 10, 11, 12 .5 cr.

This course helps students understand the responsibilities, satisfactions and stresses of parenthood. Course content includes the following: managing and organizing parenting by applying decision-making and goal-setting skills; applying the basic principles of the parenting process; practicing health and safety standards as related to parenting; providing experiences which encourage parents and children to maximize resources; encouraging human relations skills in children/adolescents; community resource agencies and services; and evaluating impact on parenting of family and career changes.

WORK AND FAMILY RELATIONSHIPS (Adult Living) (CTE)

1907 19259A001 9, 10, 11, 12 .5 cr.

Work and Family Relationship is a project-based course that emphasize building and maintaining health interpersonal relationship among families, communities, society, and workplace. These courses often emphasize (but are not limited to) topics such as balancing the responsibilities of a family and career, human sexuality and reproduction, parenthood and the function of the family unit, the family life cycle, life stages, and social interactions and interpersonal relationships. The course uses communication, leadership and management methods to develop knowledge and behaviors necessary for individuals to become independent, contributing, and responsible participants in family, community, and career settings. analyzing personal standards, needs, aptitudes and goals; roles and responsibilities of living independently and as a family member; demonstrating goal-setting and decision-making skills; identifying and utilizing community resources; and developing effective relationships to promote communication with others. The course provides students content to identify resources that will assist them in managing life situations.

EARLY CHILDHOOD EDUCATION AND TRAINING (CTE)-Offered odd years

1902 19153A001 11, 12 1 cr.

This course prepares students to guide the development of young children in an educational setting through classroom and job shadowing experiences. Course content includes child development, care, and education issues. Project-based learning experiences include planning and implementing developmentally appropriate activities, basic health and safety practices, and legal requirements of teaching young children. Students will research the requirements of early childhood education careers and develop/expand their career portfolio.

RESOURCE MANAGEMENT (Consumer Education/Personal Finance) (CTE)

1909 19262A001 11, 12 .5 cr.

Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. These courses emphasize lifespan goal-setting, individual and family decision-making, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also investigate the effects of the global economy on consumers and the family. **Required**

FOREIGN LANGUAGE

SPANISH I

2401 24052A000 9, 10, 11, 12 1 cr.

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

SPANISH II

2402 24053A000 10, 11, 12 1 cr.

Prerequisite: Spanish I

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

SPANISH III

2403 24054A000 11, 12 1 cr.

Prerequisite: Spanish II

Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

SPANISH IV

2404 24055A000 12 1 cr.

Prerequisite: Spanish III

Spanish IV courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Spanish IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

FRENCH I

2410 24102A000 9, 10, 11, 12 1 cr.

Designed to introduce students to French language and culture, French I courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of French-speaking cultures.

FRENCH II

2411 24103A000 10, 11, 12 1 cr.

Prerequisite: French I

French II courses build upon skills developed in French I, preparing students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. French II courses introduce the relationships among the products, practices, and perspectives of French-speaking cultures.

FRENCH III

2412 24104A000 11, 12 1 cr.

Prerequisite: French II

French III courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of French-speaking countries and cultures.

FRENCH IV

2413 24105A000 12 1 cr.

Prerequisite: French III

French IV courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. French IV courses promote students' understanding of the relationships among the products, practices, and perspectives of French-speaking countries and cultures.

INDUSTRIAL TECHNOLOGY

INTRODUCTION TO INDUSTRIAL TECHNOLOGY (CTE)

2101 21052A002 9, 10, 11, 12 1 cr.

Introduction to Technology & Engineering is comprised of the following areas: Production, Transportation, Communication, Energy Utilization and Engineering Design but is not limited to these areas only. This course will cover the resources, technical processes, industrial applications, material sciences, technological impact and occupations encompassed by that system.

MATH

ALGEBRA I

201 02052A000 9 1 cr.

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations. A TI-30 series type calculator is recommended. **Algebra I taken as an 8th grader will not count towards the 3 years of required Math in high school. Required**

GEOMETRY

202 02072A000 9, 10 1 cr.

Prerequisite: Pre-Algebra or above, taken after Algebra I

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles, quadrilaterals, vertical angles, lines intersected by a transversal, etc. A TI-30 series type calculator is recommended. **Required**

ALGEBRA II

203 02056A000 10, 11 1 cr.

Prerequisite: Algebra I

Algebra II course topics typically include developing an understanding of the relationships between the symbolic, graphic, tabular and verbal representations of functions; utilizing the various representations to interpret function behavior and solve equations; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher-degree equations; exponential functions; inverse functions; statistical modeling; modeling linear and quadratic data; and operations with rational and irrational exponents. A TI-30 series type calculator is recommended. **Required.**

MATH 098 (Intermediate Algebra/Algebra III)

206 02057A000 12 1 cr.

Prerequisite: Algebra II

Algebra III courses review and extend algebraic concepts for students who have already taken Algebra II. Course topics include (but are not limited to) applying an understanding of the relationships between the symbolic, graphic, tabular and verbal representations of functions to additional families of functions; utilizing the various representations to interpret function behavior, solve equations and understand compositions of functions; operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher-degree equations, and operations with rational and irrational exponents. The courses may

introduce topics in discrete mathematics, elementary probability and statistics; matrices and determinants; logarithmic and exponential functions; inverse functions; step functions; piecewise defined functions; statistical modeling; creating functions to model apparent trends in data; modeling linear, quadratic and exponential data; and sequences and series. The topics include real numbers, polynomials, rational expressions, equations, inequalities, problem solving, complex numbers, systems of equations, graphing, functions, relations, exponents, and logarithms. A graphing calculator is required. This is a developmental course through RCC for the purpose of preparing students to take the Accuplacer Math placement test. High school credit only.

TRIGONOMETRY/PRE-CALCULUS

204 02110A000 11, 12 1 cr.

Prerequisite: Algebra II

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Mathematic Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; modeling linear, quadratic, exponential, and trigonometric data; and limits and continuity. A TI-84 graphing calculator is recommended. **Required if Geometry was taken as a freshman.**

CALCULUS

205 02121A000 12 1 cr.

Prerequisite: Grade of C or above in Trig/Pre-Calc.

Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis). A TI-84 graphing calculator is recommended.

MUSIC

BAND

501 05101A000 9, 10, 11, 12 1 cr.

General Band courses help students develop techniques for playing brass, woodwind, and percussion instruments and their ability to perform a variety of concert band literature styles. These courses may emphasize rehearsal and performance experiences in a range of styles (e.g., 05 Fine and Performing Arts 148 concert, marching, orchestral, and modern) and also include experiences in creating and responding to music. and also include experiences in creating and responding to music. Students in Band are expected to perform at concerts, athletic events and various parades.

CHORUS

502 05110A000 9, 10, 11, 12 1 cr.

Chorus courses develop students' vocal skills within the context of a large choral ensemble in which they perform a variety of styles of repertoire. These courses are designed to develop students' vocal techniques and their ability to sing parts and include experiences in creating and responding to music.

PUBLICATIONS

YEARBOOK (PUBLICATION PRODUCTION)

1101 11104A000 9, 10, 11, 12 1 cr.

Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components: writing, editing, layout, production, graphic design, color scheme, etc. or may focus on a single aspect while producing the publication. **May take for 4 consecutive years. Freshmen and sophomores need instructor permission.**

SCIENCE

BIOLOGY I

301 03051A000 9 1 cr.

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy. This is a lab science. **Required**

EARTH AND SPACE SCIENCE

302 03008A000 10, 11, 12 1 cr.

Earth and Space Science courses introduce students to the study of the earth from a local and global perspective. In these courses, students typically learn about time zones, latitude and longitude, atmosphere, weather, climate, matter, and energy transfer. Advanced topics often include the study of the use of remote sensing, computer visualization, and computer modeling to enable earth scientists to understand earth as a complex and changing planet. This is a lab science.

PHYSICAL SCIENCE

303 03159A000 10, 11, 12 1 cr.

Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions. This is a lab science.

CHEMISTRY

305 03101A000 10, 11, 12 1 cr.

Prerequisite: Biology I

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied. This is a lab science.

PHYSICS

306 03151A000 11, 12 1 cr.

Prerequisite: Chemistry

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena. This is a lab science.

BIOLOGY II

304 03052A000 10, 11, 12 1 cr.

Prerequisite: Biology I, minimum grade of a C

Usually taken after a comprehensive initial study of biology. Biology—Advanced Studies courses cover biological systems in more detail. Topics that may be explored include cell organization, function, and reproduction; energy transformation; human anatomy and physiology; and the evolution and adaptation of organisms. This is a lab science.

SOCIAL SCIENCES

WORLD HISTORY

401 04051A000 9, 10, 11, 12 1 cr.

This course provides students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. **Required**

AMERICAN HISTORY

402 04101A000 9, 10, 11, 12 1 cr.

U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement. **Required**

U.S. GOVERNMENT (CIVICS)

406 04151A000 11, 12 .5 cr.

U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the

importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics. The state mandated U.S. and state Constitution tests must be passed in this class.
Required

PSYCHOLOGY**
405 04254A000 10, 11, 12 .5 cr.
Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in theories, human growth and development, personality and behavior, and abnormal psychology.

SOCIOLOGY**
404 04258A000 10, 11, 12 .5 cr.
Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

WORLD GEOGRAPHY**
403 04001A000 9, 10, 11, 12 .5 cr.
World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; the movement of people, goods, and ideas; and Socio-cultural environments of various areas of the world.

****Psychology, Sociology and Geography are offered on a 3 year rotation.****
2025-2026: Psychology/Sociology
2026-2027: Psychology/Geography
2027-2028: Geography/Sociology

WORK PROGRAM

WORKPLACE EXPERIENCE (Non-CTE)
3005 22998A000 12 1 cr./class period
Workplace Experience courses provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

CHILDCARE WORKPLACE EXPERIENCE (CTE)

CG# 19098A002 12 1 cr./class period

Child Care Workplace Experience courses provide students with work experience in fields related to caring for children. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development.

EARLY CHILDHOOD EDUCATION WORKPLACE EXPERIENCE (CTE)

CG# 19198A002 12 1 cr./class period

Early Childhood Education Workplace Experience courses provide work experience in fields related to Early Childhood Education. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development.

RESTAURANT, FOOD AND BEVERAGE SERVICES WORKPLACE EXPERIENCE (CTE)

CG# 16098A001 12 1 cr./class period

Restaurant, Food, and Beverage Services Workplace Experience courses provide work experience in fields related to restaurant, food, and beverage services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development.

AGRICULTURE, FOOD AND NATURAL RESOURCES WORKPLACE EXPERIENCE (CTE)

CG# 18998A003 12 1 cr./class period

Agriculture, Food & Natural Resources Workplace Experience courses provide work experience in fields related to the Agriculture, Food, & Natural Resources cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development.

HEARTLAND TECHNICAL ACADEMY (HTA) PROGRAMS

Agricultural Mechanics and Technology
Auto Body-Collision Repair
Automotive Technology
Careers and Topics in Health Care
Cosmetology
Criminal Justice
Culinary Arts
Diesel Mechanics
Digital Business
Education Pathways
Engineering Technology
Health Careers
HVAC
Industrial Trades
Nursing Assistant
Welding (one year only)

DUAL CREDIT COURSES at RICHLAND TRANSFER ACADEMY (RTA)

This list of courses is not exhaustive. Courses are determined by RCC and are subject to change.

<table>
<tr>
<td>ENGLISH
English 101 and 102 (Taught at CGHS)
English 110
English 120
Communications 101 (Public Speaking)
Communications 130</td>
<td>MATH
Math 110
Math 111
Math 112
Math 113
Math 116
Math 117
Math 171</td>
<td>SCIENCE
Astronomy 105
Biology 101
Biology 102
Biology 201
Biology 202
Biology 210
Biology 220
Chemistry 100
Chemistry 106
Chemistry 131
Physics 100
Physics 101
EASCI 210</td>
</tr>
<tr>
<td rowspan="3">SOCIAL SCIENCE
History (Early US History) 101
History (Modern US History) 102
History (Ancient/Medieval) 111
History (Modern European) 112
History (World History) 270
African American Studies 100
African American Studies 120
Sociology 110
Sociology 200
Sociology 210
Sociology 225
Psychology 110
Psychology 145
Psychology 150
Psychology 210
Psychology 280
Philosophy 110
Philosophy 210
Philosophy 215
Political Science 100</td>
<td>FINE/PERFORMING ARTS
Theater 150
Theater 210
Art 100
Music 100</td>
<td>BUSINESS
Business 100
Economics 231
Economics 232
Accounting 101
Accounting 102</td>
</tr>
<tr>
<td>HUMANITIES
Humanities 100
Humanities 102
Humanities 106</td>
<td>CRIMINAL JUSTICE
Criminal Justice 110
Criminal Justice 114
Criminal Justice 128</td>
</tr>
<tr>
<td>COMPUTERS AND TECHNOLOGY
Computer Info. Syst. 110
Computer Science 105
Engineering 110
Info. Technology 131</td>
<td>HEALTH CARE
Health 115
Health 140
Health 197</td>
</tr>
</table>

You must take the Accuplacer test in the spring of your sophomore year and receive a passing score to be considered for RTA and dual credit classes taught at CGHS. In addition, you must have a cumulative GPA of 3.20. Final acceptance decisions for RTA and HTA are at the discretion of the principal, taking into account grades, behavior, attendance and motivation to succeed!

Dual Credit Classes Offered At CGHS

Pre-requisite: ENG 101 Eligible per Accuplacer test

ENG 101-Composition 1 (Fall semester)

901 11, 12 RCC 3.0 cr./CGHS .5 cr.

Is a basic course in college writing. Students write and revise essays using a variety of rhetorical methods. Through extensive writing and careful reading, students cultivate their ability to think critically and improve their ability to compose acceptable and effective academic papers. Special attention will be paid to persuasive writing. Student cannot receive IAI credit without receiving a "C" or better in the course. This course is applicable toward all certificates and degrees; group requirements include communications (credit hours 3.0, lecture hours 3.0). IAI:C1 900

ENG 102-Composition 2 (Spring semester)

902 11, 12 RCC 3.0 cr./CGHS .5 cr.

Is the conclusion of the first-year, college-level writing program. The course continues the study and practice of composition begun in ENGL 101 with a major focus on source-based arguments. Students learn to recognize various levels of formality and to develop a style of writing appropriate for a formal research paper. All elements of research are taught: choosing a topic, focusing on a thesis, locating and evaluating varied sources, organizing materials, writing and documenting the text, and revising. Student cannot receive IAI credit without receiving a "C" or better in the course. This course is applicable toward all certificates and degrees; group requirements include communications (credit hours 3.0, lecture hours 3.0). IAI:C1 901R

COMM 101-Public Speaking (to be determined)

907 01151A000 11, 12 RCC 3.0 cr./CGHS .5 cr.

Instructs students in the fundamentals of the public speaking situation and provides students with an opportunity to build poise and confidence through practice. Units of study include listening, communication theory, and informative and persuasive speaking, argument building, and electronic presentations. This course is applicable toward all certificates and degrees; group requirements include communications (credit hours 3.0, lecture hours 3.0). IAI:C2 900

ED 205-Foundations of Education (Fall semester-offered odd years)

903 11, 12 RCC 3.0 cr./CGHS .5 cr.

Examines the historical, philosophical, sociological, political, economic, and legal foundations of the American public education system for teacher preparation majors. Students will explore the nature of school environments through field experiences in K-12 public school classrooms. Fifteen hours of field experience in diverse K-12 public school classroom settings is required to pass the course. This course is applicable toward all certificates and degrees; group requirements include social science (AAS and ALS only); areas of concentration include teacher education (credit hours 3.0, lecture hours 3.0).

THTRE 150-Theatre Appreciation (Spring semester-offered odd years)

904 11, 12 RCC 3.0 cr./CGHS .5 cr.

Is an introductory survey of theatre/drama as a performing art form. Includes study and analysis of historical, social, aesthetic and technical aspects of traditional and contemporary theatrical/dramatic expression. This course is applicable toward all certificates and degrees;

group requirements include fine arts; areas of concentration include theatre (credit hours 3.0, lecture hours 3.0). IAI:F1 907

ASTRO 105-Introduction to Astronomy (Fall semester-offered odd years)

905 11, 12 RCC 4.0 cr./CGHS .5 cr.

Is an introduction to Astronomy from antiquity to modern times, the solar system, planets, stars, galaxies, evolution of stars, neutron stars, black holes, and cosmology. Includes some evening telescope observations. This course is applicable toward all certificates and degrees; group requirements include natural/physical science (credit hours 4.0, lecture hours 4.0). IAI:P1 906

EASCI 210-Physical Geography (Spring semester-offered odd years)

906 11, 12 RCC 4.0 cr./CGHS .5 cr.

This course offers an introductory study of physical geography and is designed to develop a basic understanding of the Earth, its landscapes and its climates. It concentrates on the earth as a system and on the variety of physical environments with which humans must deal. Lab activities include working with various types of geographical data, such as topographic maps, climate classification, and weather. This course is applicable toward all certificates and degrees; group requirements include natural/physical science; areas of concentration include earth science (credit hours 4.0, lecture hours 3.0, lab hours 2.0). IAI:P1 909L

EASCI 230-Introduction to Meteorology (spring semester, offered even years)

908 11, 12 RCC 4.0 cr./CGHS .5 cr.

This course is an introduction to the study of weather. Students acquire a basic understanding of meteorology, weather terminology and atmospheric science, including global weather patterns and climatic change. Lab activities include working with a variety of atmospheric data and weather maps. This course is applicable toward all certificates and degrees; group requirements include natural/physical science; areas of concentration include earth science (credit hours 4.0, lecture hours 3.0, lab hours 2.0). IAI:P1 905L

BIOL 210-Environmental Biology (fall semester, offered even years)

909 11, 12 RCC 4.0 cr./CGHS .5 cr.

This course teaches a foundation of basic ecological principles that leads to an examination of current issues of environmental concern. Lectures include such topics as air/water/soil pollution, overpopulation, extinction, deforestation, global warming, and ozone depletion. Laboratory exercises include indoor experiments, outdoor field studies, and visits to local facilities of environmental concern. This course is applicable toward all certificates and degrees; group requirements include natural/life science; areas of concentration include biology, general science (credit hours 4.0, lecture hours 3.0, lab hours 2.0). IAI:L1 905L

Course Checklist for Graduation

26 credits required for graduation

English-4 credits

_____ ComLit 1-**Required** (1.0)

_____ ComLit 2- **Required** (1.0)

_____ ComLit 3- **Required** (1.0)

_____ ComLit 4- **Required** (1.0) **OR**

_____ ENG 101/102 (.5/.5)

English Elective_____

Math-3 credits

_____ Algebra 1-**Required** (1.0)

_____ Geometry-**Required** (1.0)

_____ Algebra 2-**Required** (1.0)

_____ Trig/Pre-Calc. (1.0)

_____ Calculus (1.0)

_____ Math 098 (1.0)

Science-3 credits

_____ Biology-**Required** (1.0)

_____ Physical Science (1.0)

_____ Earth Science (1.0)

_____ Chemistry (1.0)

_____ Physics (1.0)

_____ Biology 2 (1.0)

History-3 credits

_____ World History-**Required** (1.0)

_____ American History-**Required** (1.0)

_____ Government-**Required** (.5)

_____ Geography (.5)

_____ Sociology (.5)

_____ Psychology (.5)

PE/Health/Driver's Ed./Careers-4 credits

___ ___ ___ ___ PE –**Required** (1.0/yr.)

___ ___ Junior/Senior PE waiver

____ Health-**Required** (.5)

____ Dr. Ed. **Required** (.5)

Foreign Language-Elective

_____ Spanish 1 (1.0) _____ French 1 (1.0)

_____ Spanish 2 (1.0) _____ French 2 (1.0)

_____ Spanish 3 (1.0) _____ French 3 (1.0)

_____ Spanish 4 (1.0) _____ French 4 (1.0)

Art-Elective (1.0/yr.)

Art 1 ____ Art 2 ____ Art 3 ____ Art 4 ____

Publications (Yearbook)-Elective (1.0/yr.)

_____ _____ _____ _____

Music-Elective

_____ Band (1.0)

_____ Chorus (1.0)

Agriculture-Elective

_____ Intro. To Ag (1.0)

_____ Ag Science (1.0)

_____ Ag Mechanics (1.0)

_____ Agri-Business Management (1.0)

_____ Horticulture (1.0)

_____ Animal Care (.5)

_____ Vet Science (.5)

SAE __ __ __ __ (.5, 1.0, 1.0, 1.0 cr.)

Computer and Informational Sciences

_____ Computer Concepts and Software Applications (.5)

Industrial Technology-Elective

_____ Industrial Technology (1.0)

Family and Consumer Science-Elective

_____ Introduction to FCS Careers (.5)

_____ Nutrition/Culinary Arts (Foods 1) (.5)

_____ Nutrition/Culinary Arts (Foods 2) (.5)

_____ Textiles and Design (Sewing) (.5)

_____ Early Childhood Education (1.0)

_____ Child Development (.5)

_____ Parenting (.5)

_____ Adult Living (.5)

_____ Resource Management (.5) **Required**

RTA Courses:

HTA Courses:

Work Program:

_____ (1.0/period)

Community Service Hours (25 hours required for graduation)

_____ Freshman year (5)

_____ Sophomore year (5)

_____ Junior year (5)

_____ Senior year (10)

Flowchart for CGHS English Classes		***Required - 4.0***
6th Grade	6th Grade Language Arts AND 6th Grade Literature	
7th Grade	7th Grade Language Arts AND 7th Grade Literature	
8th Grade	8th Grade Language Arts AND 8th Grade Literature	
Freshmen	ComLit I *	
Sophomore	ComLit II *	
Junior	Com Lit III *	
Senior	ComLit IV*	English 101/102 **

Flowchart for CGHS Math Classes		Required - 3.0
6th Grade	6th Grade Math	
7th Grade	7th Grade Math	Pre Algebra
8th Grade	Pre Algebra	Algebra I
Freshmen	Algebra I *	Geometry *
Sophomore	Geometry *	Algebra II *
Junior	Algebra II *	Trig/Pre-Calculus * OR Math 098 * OR RTA Math Course **
Senior	Trig/Pre-Calculus * OR Math 098 * OR RTA Math Course *	Calculus * OR Math 098 * OR RTA Math Course **

Flowchart for CGHS Science Classes		***Required - 3.0***
6th Grade	6th Grade Science	
7th Grade	7th Grade Science	
8th Grade	8th Grade Science	
Freshmen	Biology	
Sophomore	Physical Science	Chemistry
Junior	Earth Science	Physics
Senior	Elective - Bio 2	Elective - Bio 2

Flowchart for CGHS History Classes	***Required - 3.0***
6th Grade	6th Grade Social Studies
7th Grade	7th Grade Social Studies
8th Grade	8th Grade Social Studies
Freshmen	World History
Sophomore	American History
Junior	Electives
Senior	Government/Resource Management
Electives - Psychology, Geography, Sociology	

Nondiscrimination Notice

Cerro Gordo CUSD #100 does not discriminate on the basis of race, color, religion, sex, national origin, age, disability, or any other basis prohibited by law and prohibits discrimination, including harassment, in any education program or activity that it operates. Retaliation against anyone who, in good faith, makes a report of harassment or discrimination, files a complaint of harassment or discrimination, serves as a witness, or participates in an investigation or grievance process is also a violation of Cerro Gordo's nondiscrimination policy and is prohibited.
Cerro Gordo CUSD #100 has designated the following individuals to coordinate efforts to comply with and carry out its nondiscrimination responsibilities, and questions regarding the school district's nondiscrimination commitments, as well as related laws, regulations, and district policies, may be referred to the designated employee.

Non-Discrimination & Title IX Coordinator: Emily Weidner
Title: Superintendent
Office Address: 300 E. Durfee Street Cerro Gordo, IL 61818
Telephone: 217-763-5221
Email: eweidner@cgbroncos.org

CGES 504 Coordinator: Jodi Neaveill
Title: CGES Principal
Office Address: 200 S. Madison Street Cerro Gordo, IL 61818
Telephone: 217-763-2551
Email: jneaveill@cgbroncos.org