

GEORGE-LITTLE ROCK HIGH SCHOOL



COURSE DESCRIPTION GUIDE

DIRECTORY INFORMATION POLICY

George-Little Rock High School exercises a directory information policy in regard to providing class lists to colleges and the military. Students who participate on teams, recognized groups and extracurricular activities will have their names listed on a roster. If you desire not to have your name appear on a roster or class list, contact the Guidance Office at 712 475-3311, and your name will be removed.

MULTI-CULTURAL / GENDER FAIR POLICY STATEMENT

Students will have an equal opportunity for a quality public education without discrimination, regardless of their race, religion, socioeconomic status, color, sex, marital status, national origin, sexual orientation, gender identity, or disability.

The education program is free of discrimination and provides equal opportunity for the students. The education program will foster knowledge of and respect and appreciation for the historical and contemporary contributions of diverse cultural groups, as well as men and women, to society. Special emphasis is placed on Asian-Americans, African-Americans, Hispanic-Americans and persons with disabilities. It will also reflect the wide variety of roles open to both men and women and provide equal opportunity to both sexes.

GRADUATION REQUIREMENTS

All students must enroll in seven academic classes each semester. The Board of Education has established certain required courses. These courses must be successfully completed prior to graduation. In addition to the required courses, there are several elective courses available. Seniors must have at least 39 earned credits by the end of the fall semester to be eligible for commencement ceremonies. Students must complete the following amount of credits to graduate: **48 total credits**

Vocational courses are available in four major areas. They are Agricultural Education, Business Education, Family and Consumer Science, and Industrial Technology. The curriculum in each vocational area has a primary emphasis for entry into selected occupations or continued study in a technical school, postsecondary college or university.

The State of Iowa allows students to graduate at the end of the first semester of their senior year. A student who seeks early graduation shall complete all the requirements established for graduation by the Board of Education and the State of Iowa. **Students who plan to graduate early should notify the Guidance Counselor in December of their JUNIOR YEAR and complete an Early Graduation Request form.**

REQUIRED COURSES FOR GRADUATION

<p><u>Freshman Computer:</u> 1 semester</p> <p><u>Health:</u> 1 semester</p> <p><u>Personal Finance:</u> 1 semester</p> <p><u>English:</u> 10 semesters</p> <p style="padding-left: 40px;">Literature 9 (2 sem) English I (2 sem) English II (2 sem) American Literature (sem) Writing for Everyone (sem) Upper Level English Elective (2 sem)</p>	<p><u>Physical Education:</u> 4 semesters (1 credit can be earned each year in P.E. but not toward GPA.Required course.)</p> <p><u>Science:</u> 6 semesters</p> <p style="padding-left: 40px;">General Science (2 semesters) Biology (2 semesters) Science Elective (2 semesters)</p> <p><u>Math:</u> 6 semesters</p> <p><u>Social Science:</u> 6 semesters</p> <p style="padding-left: 40px;">World History (2 semesters) U.S. History (2 semesters) American Government (semester) One other Social Science department elective (semester)</p>
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GEORGE-LITTLE ROCK HIGH SCHOOL COURSES

COMPUTER APPLICATIONS

COMPUTER I

Semester Course-1 credit

Grade Level: 9, required

Prerequisite: none

This is an introductory course that will allow students to learn the basic programs within Microsoft Office. Students will learn how to use and create various types of documents by using Microsoft Word, Excel, PowerPoint, and Publisher.

COMPUTER MULTIMEDIA

Semester Course-1 credit

Grade Level: 1-12, elective

Prerequisite: Computer I

This course will build computer multimedia skills through the use of Web 2.0 tools including blogs, animation, and movie editing software.

FOREIGN LANGUAGE

SPANISH I

Full Year Course-2 credits

Grade Level: 9-12, elective

Prerequisite: none

Spanish I is an introductory course in Spanish with emphasis on oral communication, syntax, vocabulary building and pronunciation. Reading, writing, oral comprehension, listening comprehension and cultural appreciation are also basic study areas for this course. Historical and geographical lessons, art, literature, traditions and holidays and Hispanic perceptions of life are also part of this basic course. The present tense is primarily used in Spanish I.

SPANISH II

Full Year Course-2 credits

Grade Level: 10-12, elective

Prerequisite: Spanish I

Spanish II is an expansion of the skills learned in Spanish I and a maintenance of 5 bases (reading, writing, oral comprehension, listening comprehension and cultural appreciation). More of this course is conducted in the target language than the introductory course. Additional grammar patterns are included along with the past tense and the subjective tense. Students will develop vocabulary banks in expanded areas so they may understand more of the language used in oral, printed or video texts. Successful completion of Spanish II entitles students to a trip to a Spanish speaking country.

SPANISH III

Full Year Course-2 credits

Grade Level: 11-12, elective

Prerequisite: Spanish I and II

Spanish III is an upper level course designed to "polish" the skills learned in Spanish I and II. Extended vocabulary banks and compound verb tenses are also an integral part of this course. It is designed to include some fluency on a series of formal and informal situations on an oral/aural and written level. An extended part of the cultural aspects includes food, literature, essay traditions and varied beliefs of Hispanic people. A variety of their sources are also used such as videos, C.D. Rom and computer technology and an oral video interview. Also includes extended field trips if the opportunity arises..

SPANISH IV

Full Year Course-2 credits

Grade Level: 12, elective

Prerequisite: Spanish I, II and III

Spanish IV is the highest level course designed to review all of the concepts of Spanish I, II, and III and to be able to build upon all of the experience of the previous 3 years. Students are expected to be able to express themselves orally in the target language on a variety of projects. They will develop an extended vocabulary which will enable them to read and interpret newspaper articles, magazines, literary selections and oral productions (TV, etc.) art, culture, mature beliefs and traditions are again emphasized. A variety of texts and other resource materials are used in this course.

LANGUAGE ARTS

LITERATURE 9

Full Year Course-2 credits

Grade Level: 9

Prerequisite: none

Being an active and effective reader is vital to the success of high school. Literature 9 focuses on reading strategies and then applies them to nonfiction, drama, short stories, and the novel *To Kill a Mockingbird*. Various reading skills will be the focus as the year progresses. Reading skills, such as making inferences, identifying themes, exploring characterization, etc. will be stressed throughout the year. Vocabulary will also be emphasized.

ENGLISH I

Full Year Course-2 credits

Grade Level: 9

Prerequisite: none

Written communication is vital to success in school and eventually any occupation. Writing 9 will focus on grammar, research skills and documentation, and of course, writing. Driving the course will be the national program of Six Traits plus One Writing program. Throughout this course we will identify ideas, voice, organization, word choice, conventions, and sentence fluency in well-written paragraphs and essays. These skills will culminate in a term paper.

ENGLISH II

Full Year Course-2 credits

Grade Level: 10

Prerequisite: none

This required course for all second-year students covers four major units of study. It covers an introduction of basic speech technique, literature, composition, and an introduction to Shakespeare and the Shakespearean play. The course is required for two semesters of study. Class analysis will emphasize oral presentation, listening skills, effective communication, and an understanding of the fundamentals of the language through reading and comprehension.

AMERICAN LITERATURE

Semester Course-1 credit

Grade Level: 11

Prerequisite: none

This class emphasizes the great works of American authors. Major units of study include early colonial writings, revolutionary war literature, the Romantic era, poetry, and 20th century authors. Class analysis will emphasize reading comprehension, participation, listening skills, projects, and exams.

WRITING

Semester Course-1 credit

Grade Level: 11

Prerequisite: none

Because writing is an integral part of the world today, this course is designed to familiarize students with the many types of communications they will encounter after high school in their personal and social lives, the business world, and post-high school institutions. The art of communication will be stressed with reviews of usage, grammar, and punctuation skills. Students will write a variety of compositions ranging in focus from descriptive, narrative, persuasive, and expository.

COLLEGE COMPOSITION I (College Course)

Semester Course-1 credit

Grade Level: 11 & 12 (TAG)

Prerequisite: TAG student or Grade 11-12. Must have qualifying ITED scores.

The student will develop skills in written communication through various experiences including expository, persuasive, and research papers. Instruction will also include basic research and documentation skills.

COLLEGE COMPOSITION II (College Course)

Semester Course-1 credit

Grade Level: 11 & 12 (TAG)

Prerequisite: TAG student or Grade 11-12. Must have qualifying ITED scores.

This course focuses on the use of argumentation skills in both reading and writing. Students write several essays on current and enduring issues using critical analysis, research, and advanced writing skills.

CONTEMPORARY LITERATURE

Semester Course-1 credit

Grade Level: 11-12, elective

Prerequisite: none

This is a course which offers an opportunity for reading many and varied types of modern novels plays. Students have a wide choice of material which includes easy, medium and challenging literature. Depending on difficulty, students may expect to read 12 to 21 novels or plays a semester. This class fulfills the *literature requirement*.

THEATRE/DRAMA

Semester Course-1 credit

Grade Level: 11-12, elective, also see Fine Arts

Prerequisite: none

During this semester course, students will study acting technique and will read several well-known plays. Costuming and makeup and other aspects of theatre will also be discussed. Class assessment will emphasize participation and performance, both individually and in group activities, as well as journals and play reports. Although reading is a part of this class, the class does not study literature and *does not fulfill the literature requirement*.

PRINCIPLES OF ARGUMENTATION

Semester Course-1credit

Grade Level: 11-12, elective

Prerequisite: none

The purpose of this class is to give students the tools for defending their opinions and positions. The emphasis will be on the ability to think fast and speak well, but there will be other elements of the class which will entail prolonged preparation of briefs, cases, and evidence. Before a student can defend a position, s/he must choose a position. To do that, the student must have the ability to think critically, reason, and form arguments that are logical and sound. Students will argue both extemporaneously and in formal debates, either team debate or Lincoln-Douglas. Students will also work cooperatively to solve problems and reach consensus. To do well in this class, students must be present and participate. Many activities will not be able to be made up in the event of an absence. Alternative projects can be provided, but without the possibility of argument, grades will suffer.

WORLD LITERATURE

Semester Course-1 credit

Grade Level: 11-12, elective

Prerequisite: none

This course offers the student a sampling of a wide range of world literature. The student will read both fiction and non-fiction with a view to understanding the culture and philosophy from which the literature has sprung. Poetry, plays, essays, and mythology will be studied as well as short stories and the novel. Class analysis will emphasize position papers and group discussion. This class fulfills the *literature requirement*.

College Speech (College course)

Semester Course-1 credit

Grade Level: 11 &12 (TAG)

Prerequisite: TAG student or Grade 11-12. Must have qualifying ITED scores.

Emphasis is placed on actual speaking experiences. Instruction focuses on the theory of preparation and presentation, application and practice, observation and listening, and the giving of critical feedback. Types of speeches assigned will include informative, persuasive, and special occasions.

MATHEMATICS

* Students will be required to take a placement test in addition to teacher recommendation to determine which Algebra class they are eligible to take as a freshman.

PRE ALGEBRA I

Full Year Course-2 credits

Grade Level: 9-12

Prerequisite: none

This is the first course in the 3-yr. Applied Math Series.. Topics of study include Patterns, Integers, Functions, Equations & Inequalities

INFORMAL GEOMETRY (Previously Pre-Algebra II)

Full Year Course-2 credits

Grade Level: 9-12

Prerequisite: Pre Algebra I

Informal Geometry courses emphasize a practical approach to the study of geometry and deemphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

INTEGRATED MATH

Full Year Course - 2 credits

Grade Level: 9-12

Prerequisite: Pre-Algebra I and Pre-Algebra II

This is the third course in the 3-ur. Applied Math series. Topics of study include Systems of Equations, Polynomials, Statistics and Probability

ALGEBRA I

Full Year Course-2 credits
Grade Level: 9-12, elective
Prerequisite: none

This class is about practical solutions to problems not always solvable by everyday arithmetic. Students planning on attending college or vocational school after graduation should plan on taking this class. Topics of study include integers, order of operations, relations, and factoring.

GEOMETRY

Full Year Course-2 credits
Grade Level: 9-12, elective
Prerequisite: Algebra I or Pre Algebra I & II

Geometry is the study of points, lines, and planes in two and three dimensional figures. Topics of study include deductive and inductive reasoning, proportion, similarity, congruence, perimeters, area, volume, and proof.

ALGEBRA II

Full Year Course-2 credits
Grade Level: 10-12, elective
Prerequisite: Algebra I or Pre Algebra I & II

Algebra II is a continuation of the skills learned in Algebra I. Topics of study include an in-depth study of linear equations and inequalities, quadratic equations, solving systems of equations, graphing, operations with rational and irrational exponents and the complex number system.

COLLEGE ALGEBRA (College course)

Semester Course-1 credit
Grade Level: 11 & 12 elective (TAG)

Prerequisite: TAG student or Grade 11-12. Must have qualifying ITED scores.

This course is designed to strengthen and expand the algebra skills required for further mathematical study. This course may also be used as a terminal course in mathematics for non-mathematics majors. The emphasis will be on using algebraic manipulation, graphing and functional concepts to investigate and solve real-life applications. The properties of real numbers, exponents and radicals will be used to develop problem solving strategies. A background in intermediate algebra is required. Graphing calculators will be used.

TRIGONOMETRY/PRE-CALCULUS

Full Year Course-2 credits
Grade Level: 11-12, elective
Prerequisite: Algebra II and Geometry

Trigonometry is the study of triangles. This is a semester course. Topics include trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities; and solutions of right and oblique triangles.

Pre-Calculus is also a semester course. Topics include a review of the structure of the real number system and the complex; polynomial; logarithmic, exponential and rational functions; inverses and graphs; vector; sequences and series. This course is for the college bound student.

SCIENCE

GENERAL SCIENCE

Full Year Course-2 credits
Grade Level: 9
Prerequisite: none

This course includes units in all of the natural sciences. Units will cover principles in physical science and earth science by integrating laboratory activities, cooperative learning labs, project based learning curriculum, and inquiry activities. Students will be challenged to learn about scientific content and how to apply knowledge to the modern wonders of the world.

BIOLOGY

Full Year Course-2 credits
Grade Level: 10
Prerequisite: General Science

Biology presents to students the fundamental theories of life sciences. This course will explore living organisms from unicellular to humans. Lectures, partner labs, cooperative learning labs and hand-outs will comprise the majority of the class curriculum. The curriculum consists of six distinct units, which progressively build student's knowledge and understanding about the dynamics of the world from a biological perspective.

FORENSIC SCIENCE

Semester Course-1credit
Grade Level: 11-12

Prerequisite: General Science and Biology

Forensic Science is the application of science to law. Forensic Science applies the knowledge and technology of science for the definition and enforcement of such laws. Students have an opportunity to solve crime scenes by various methods and

utilizing topics in biology, chemistry, physics, archaeology, anthropology.

ENVIRONMENTAL SCIENCE

Semester Course-1credit

Grade Level: 10-12

Prerequisite: General Science

Students will take an in depth look at the environmental problems our planet is facing, and come face to face with the importance of finding solutions to these problems. We will study issues with population, waste, climate change, loss of biodiversity, destruction of habitat, alternate forms of energy, and thinking critically about what the future of this planet looks like, and if we can learn to sustain what we have. Through discussion, research, collaboration, and questioning we will put a face to the major issues faced in Environmental Science.

ZOOLOGY

Semester Course-1 credit

Grade Level: 11-12

Prerequisite: General Science and Biology

Zoology will provide students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. This course should also help students develop an awareness and understanding of biotic communities.

CHEMISTRY

Full Year Course-2 credits

Grade Level: 11-12, elective

Prerequisite: Algebra I, Algebra II (or concurrent enrollment in Algebra II)

Chemistry is an essential course for students planning on college work in science or in becoming a health care professional. Chemistry is also recommended for any student planning on attending a four year college or for those students who simply desire a better understanding of the physical world. Students should try to take this course as a junior for scheduling purposes although seniors are also encouraged to enroll. It is suggested that students have taken at least Algebra I in order to provide the necessary mathematical background.

The central theme of chemistry is that the properties of matter are a consequence of the structure of matter. Students will focus on understanding chemical theories and verify these theories through mathematical analysis. Students are encouraged to use reasoning skills throughout the course.

Laboratory experiences in which the students are active participants will take place approximately once per week. Daily teacher demonstrations, if possible, will help students visualize the concepts learned in the classroom. As a result of this class, students should increase their awareness and understanding of the vast amount of chemistry surrounding us everyday.

ADVANCED BIOLOGY

Semester Course-1 credits

Grade Level: 11-12, elective

Prerequisite: Biology

This class is an advanced life study of the human body. The class is lab based with lecture and cooperative groups oriented with a computer lab of the body entitled "Body Works." The class is geared for students who are considering a career in the medical field or are planning to attend a school of higher learning and wish to obtain an advanced background for further science requirements. Labs will constitute approximately 1/4 of class contact time. Guest speakers and visitation of college service days and hospitals also supplement the curriculum.

PHYSICS

Full Year Course-2 credits

Grade Level: 12, elective

Prerequisite: Geometry and Algebra II (or concurrent enrollment in Algebra II)

Physics is a physical science course usually offered to seniors. Geometry and Algebra II are recommended as prerequisites in order to provide the necessary mathematical skills. Physics is an essential course for students considering engineering, pre-medicine, and other science careers. Physics is also applicable to students interested in certain vocational fields such as automotive mechanics.

The course will focus on understanding physics concepts through mathematical analysis. Major topics include: force, motion, energy, sound, light, electricity, electromagnetism and motors, and modern physics. Students will perform labs approximately once per week and, if possible, daily teacher demonstrations will help to visualize and reinforce physics principles. As a result of this class, students should gain an appreciation for the vast amount of physics around us everyday and be well prepared for further science education.

SOCIAL STUDIES

INTRO TO GEOGRAPHY

Semester Course-1 credits
Grade Level: 9-12, elective
Prerequisite: None

This course is dedicated to a study of the world around us. The class starts with an introduction to geography, in which students will learn the five themes of geography, the features that define the earth, the climate patterns of the earth, how to study people and cultures of the earth and how to use various geographical tools. From there students will use the skills they have learned to apply to the ten areas of the world we will be studying. In addition to using these skills to apply to ten areas, the students will look at the physical features of those areas (land, climate, and types of vegetation). Each area will also be addressed in terms of its culture, which includes studies of population patterns, history and government, cultures/lifestyles. The final area to be addressed to each of the ten areas is current news about the area. This includes current living conditions, current news events, and how people are interacting with their environment.

WORLD GEOGRAPHY

Semester Course-1 credits
Grade Level: 9-12, elective
Prerequisite: None

The lessons in this course will teach you geography and then test your knowledge of states and countries. You will practice and learn the skills needed to become informed and involved citizens in an interdependent world.

WORLD HISTORY

Full Year Course-2 credits
Grade Level: 10
Prerequisite: none

Our survival depends on our ability and wisdom to maintain a livable world. As our small planet becomes more crowded, the need to live as good neighbors becomes more pressing. All cultures possess seven unifying characteristics - social organizations, religion, language, forms of government, economic systems, customs and traditions, and arts and literature. Students will study the geography of and various cultures from around the world. Geographical study is heavily emphasized. The study of current events is also a part of this course.

U.S. HISTORY

Full Year Course-2 credits
Grade Level: 11
Prerequisite: none

This course in American History is a post-1865 course. It starts with the reconstruction period and moves up into the 1990's. The course will include both a narrative and analytical view. This approach will enable the student to gain a deeper insight into our history. Students are expected to read, interpret, and express themselves in oral and written expression.

SOCIOLOGY

Semester Course-1 credit
Grade Level: 11-12, elective
Prerequisite: none

This course is a social science that deals with human relationships, how you relate to others, and how your individual behavior has been influenced by other people. It emphasizes social problems, culture, society, working with others and the individual in society with particular thought on your social environment.

PSYCHOLOGY

Semester Course-1 credit
Grade Level: 11-12, elective
Prerequisite: none

Psychology is the study of behavior with emphasis on human behavior. Some of the areas of study include motivation, perception, learning, emotions, anxiety, adjustment and mental health, human development, personality, abnormal behaviors, and psychotherapy. The emphasis is on making the learning meaningful in the student's life.

AMERICAN GOVERNMENT

Semester Course-1 credit
Grade Level: 12
Prerequisite: none

This is a basic government course. The makeup will be background, citizenship, politics, and the legislative, executive, and judicial branches of government and state and local government. Time will also be spent on current events. Skills developed include reading comprehension, summarization, effective communication, projects, and tests. Several simulations are conducted throughout the year.

LAW

Semester Course-1 credit
Grade Level: 11, 12
Prerequisite: none

This is a one semester program designed to help the student understand everyday law. The class will include understanding the law, the difference between juvenile and adult courts and laws, nature and kinds of law, law enforcement and the courts, crimes, torts and other law-related areas. All culminates into a crime simulation conducted in conjunction with forensics. This is an area which should be of high interest to the student.

FINE ARTS PROGRAM

ART

ART I

Full Year Course-2 credits
Grade Level: 9-12, elective
Prerequisite: none

This class is designed for any high school student who has had no previous high school art courses. The class will be divided into five major areas of study. The first semester will cover basic design using various drawing and painting techniques. The second semester will introduce basic techniques in ceramics, printmaking, or other media. Students adding second semester will begin with first semester basic design.

ART II

Full Year Course-2 credits
Grade Level: 10-12, elective
Prerequisite: Art I

Creativity and skills are stressed in a variety of art forms and again divided into areas of study with various mediums. The first semester involves techniques in drawing using different medium as ink, chalk and charcoal and painting using mediums such as acrylic and watercolor. The second semester will involve new and different techniques in ceramics, sculpture, printmaking or other media.

ART III/IV

Full Year Course-2 credits
Grade Level: 11, 12 elective
Prerequisite: Art I and Art II

Students will make advanced art works and experiment with various techniques in each major area of study. Independent projects will be expected. The first semester will cover areas of study in drawing and painting. The second semester will cover areas of study in ceramics, sculpture, mixed media, printmaking or other media.

MUSIC

INSTRUMENTAL MUSIC

Full Year Course-2 credits
Grade Level: 9-12, elective
Prerequisite: None

Students will be involved in marching band, pep band and concert band. They will perform for various athletic and community events, concerts and marching trips. Stage band personnel are decided by individual try-outs and are strictly voluntary. Rehearsals are during regular school hours unless extra practices are deemed necessary.

VOCAL MUSIC

Full Year Course-1 credit.
Grade Level: 9-12, elective
Prerequisite: none

Concert Choir is a performance group open to all students upon audition/interview with the director. Members learn vocal techniques and general music including history, theory, dynamic singing, etc. The Chorale learns songs from various time periods and styles. Performances include various concerts throughout the school year and competitions during the spring semester.

VOCATIONAL EDUCATION PROGRAM

AGRICULTURE EDUCATION

ANIMAL SCIENCE and Veterinary Science

Semester Course: 1 credit
Semester: First
Recommended Grade level: 9-11
Prerequisite: None

Course Discription:

This course provides an overview of basic practices and skills used in veterinary medicine. Students will learn livestock physiology, ruminant microbiology, small animal care, and dissection and surgical techniques. Industry leadership and business applications will also be included.

Class Objectives:

This course will be taught for students thinking about entering the Animal Science or Veterinary Technician programs. It also helps prepare students for achieving their own personal excellence in agricultural careers, leadership, and life-long learning. This is accomplished by:

1. Exploring and understanding the principles of agriculture industries and careers.
2. Developing life skills necessary for future opportunities and employment.
3. Instilling value in contributing service to organizations, individuals, and the community.
4. Building credible experience in authentic leadership and employment roles.

NATURAL RESOURCES

Semester Course: 1 credit

Recommended Grade Level: 9-12

Prerequisite: None

Students will be looking into plant and animal science, production, and processing; environmental science and conservation; ecology; food production for a growing global population, business operations and management; and the careers available in the agricultural/natural resources industry. These courses may also include topics such as chemical and soil science, forestry, agricultural marketing, and fish and wildlife resources.

HORTICULTURE

Semester Course: 1 credit

Recommended Grade Level: 9-12

Prerequisite: None

The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in plant science so that students may continue through a sequence of courses through high school. Students will work in teams, exploring hands-on projects and activities, to learn the characteristics of plant science and work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers and producers, and plant research specialists face in their respective careers. Students will examine and identify the fundamental horticulture principles. Greenhouse management will be a key emphasis through producing greenhouse plants.

CROP SCIENCE

Semester Course: 1 credit

Semester: Second after Horticulture

Recommended grade level: 9-12

Prerequisite: None

Course Description:

Sections within this course will incorporate a wood project and tools involved in this project, analyzing the SAE Program, soils plant science, crop science, entomology, and a construction project. In this class students will construct a wood project; evaluate their SAE, make improvement to it, and set goals for the future of it; learn about soil profiles and be able to identify different soil textures; study general plant science, horticulture, and be able to recognize several different types of house and garden plants; examine crop sciences and understand the basics of corn, soybeans, and wheat; and will build an understanding for insects and their effects on plants and grain crops and will be able to identify several different kinds of insects.

Course Goals & Objectives:

Prepare students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber and natural resources systems.

AG BUSINESS MANAGEMENT

Semester Course: 1 Credit

Semester: First

Recommended grade level: 11 and 12

Prerequisites: None

This course is designed to introduce the students to agribusiness management in the free enterprise system. It includes a study of economic principles, budgeting, recordkeeping, finance, risk management, business law, marketing, and careers in agribusiness. It will provide students with skills necessary for entry into employment or furthering education in agriculture sales and service. The course deals with business organizations, business structures, job responsibilities, job applications, and interviewing, human relations, marketing, selling, displaying, using business machines, business accounting, and management skills. Learning activities are varied with classroom, laboratory, and field experiences. Students will be completing cash flow statements, balance sheets, budgets, and income tax forms. Marketing will be emphasized through commodity trading activities, futures and the cash market comparisons.

Ag Business

Semester Course: 1 Credit

Semester: First
Recommended grade level: 11 and 12
Prerequisites: Ag Science 1 and 2

Course Description:

This course prepares and engages students to take an in-depth look into today's agriculture industry through economic principles in agribusiness, planning an agribusiness and various career development practices

Course Goals & Objectives:

Prepare students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber and natural resources systems.

BUSINESS EDUCATION

ACCOUNTING I

Full Year Course-2 credits
Grade Level: 10-12, elective
Prerequisite: none

Accounting is the planning, recording, analyzing and interpreting of financial records. This first year accounting course will give students an understanding of the basic accounting procedures needed to operate a service and merchandising business organized as a proprietorship and partnership. It will also provide a sound background for employment as bookkeepers and for college-bound students interested in business. Automated accounting and simulated accounting "jobs" are incorporated throughout this course.

ACCOUNTING II

Full Year Course-2 credits
Grade Level: 11-12, elective
Prerequisite: Accounting I

This course is a continuation of Accounting I concepts. An introduction to corporate accounting, cost accounting and the legal environment of business is also covered. Automated accounting is incorporated throughout this course.

INTRODUCTORY BUSINESS

Semester Course-1 credit
Grade Level: 9-12, elective
Prerequisite: none

In this course students will receive a general knowledge of various aspects of the business world. Topics covered include general business operations, management, marketing, and career exploration.

SPORTS BUSINESS

Semester Course-1 credit
Grade Level: 9-12
Prerequisite: none

This course will cover the basic functions of business and how those functions are applied to sports and entertainment. Areas covered include college, amateur, and professional sports, the entertainment industry, recreation business, developing a business plan, and legal issues for sports and entertainment.

PERSONAL FINANCE

Semester Course- 1 credit
Grade Level: 11-12
Prerequisite: none

This course will introduce students in learning how to manage personal finances from checking accounts to investing in stock and even retirement. They will learn general life applications that deal with owning a home versus renting one as well as how the world of credit works. Everything that this course offers will be things that are needed in the real world.

HEALTH

HEALTH

Semester Course-1 credit
Grade Level: 10
Prerequisite: none

This course focuses on the 4 basic areas of wellness: physical, social, emotional and mental. Topics & units included are: disease (causes, symptoms, treatment & prevention), nutrition, digestion, diets & eating disorders, physical fitness, mental disorders, sexuality, growth & development throughout the lifecycle, stress & coping skills, healthcare selection, safety & first aid and use and abuse of substances.

CHILD DEVELOPMENT II

Semester Course-1 credit
Grade Level: 9-12
Prerequisite: none

This course covers the physical, emotional, social, and intellectual development of children ages one through eighteen, safety and health of children, and caring for children. At the conclusion of the course there will be a simulation preschool. This course is geared towards those students who are interested in pursuing an early childhood education degree.

FAMILY AND CONSUMER SCIENCE

FOOD AND NUTRITION I

Semester Course-1 credit
Grade Level: 9-12, elective
Prerequisite: none

This course is devoted to the study of foods, nutrition, and the preparation of food. Major areas covered are: guidelines for good nutrition, food safety & sanitation, food storage, food preparation equipment, kitchen basics and food preparation techniques.

FOOD AND NUTRITION II

Semester Course-1 credit
Grade Level: 9-12, elective
Prerequisite: Food and Nutrition I

This course expands on the skills learned in Foods I. Topics covered are wise use of the food dollar, wise use of time, convenience foods, meal planning/management, nutrition throughout the lifecycle, alternative meal plans, meal time etiquette, entertaining, foods of the world (foreign cookery) and careers.

CHILD DEVELOPMENT

Semester Course-1 credit
Grade Level: 9-12, elective
Prerequisite: none

Child development and parenting explores the developmental stages of the child and the challenges of parenting. Topics included are parenting potential, prenatal development, childbirth, baby care, toddlers, preschoolers and understanding the physical, mental, and social/emotional development of children. A look at birth defects, crisis and current issues are also included. In addition, this course includes practical, hands-on experiences with children and parenting simulations.

HUMAN RELATIONS

Semester Course-1 credit
Grade Level: 9-12, elective
Prerequisite: none

This course emphasizes the individual student as he/she strives to understand himself/herself and his/her relationships with others. Areas covered are self-concept; relationships in the family, on the job, and in the community; engagement; love; preparation for marriage; planning a wedding; single living; traditions; family life; and current issues.

ENTREPRENEURSHIP

Semester Course- 1 credit
Grade Level: 9-12, elective
Prerequisite: none

This course examines the qualities and skills essential to successful entrepreneurship. It includes opportunity identification, feasibility analysis, initiation strategies, site location, marketing and financing. Types of ownership, franchising, and development of a business plan are covered. Students will examine and learn critical skills for successful business formation and growth. Regular and prompt attendance is REQUIRED.

INDUSTRIAL TECHNOLOGY

INDUSTRIAL WOOD TECHNOLOGY

Full Year Course-2 credits
Grade Level: 9,10,11,12 elective
Prerequisite: none

Wood Technology introduces students to various kinds of wood processes taken from the wood industry. Students will learn to use hand tools and power tools safely to construct projects. Different types of cabinet construction and wood joints will be studied. Students work with a problem solving situation to plan and design cabinets that will be built. Good work habits, safety, employable skills, along with career exploration will be emphasized. The approximate costs for the course projects will \$15- \$30 for the first semester, For additional projects students will then bring home a plan and cost of materials list for parents to approve..

CONSTRUCTION TECHNOLOGY

Full Year Course-2 credits
Grade Level: 10, 11, and 12 elective
Prerequisite: Industrial Wood Technology

Building techniques used in cabinet construction and house construction will be studied. The following information will be covered: blueprint reading, planning, cabinet construction methods, and house construction methods. The class will build a 8' x 12' shed. Good work habits, safety, employable skills, along with career exploration will be emphasized. . Good work and

safety habits will be stressed.

ADV WOOD TECHNOLOGY

Full Year Course-2 credits

Grade Level: 11th, and 12th elective

Prerequisite: Industrial Woods Technology, and Construction Technology

Building techniques used in cabinet construction and house construction will be studied. The following information will be covered: blueprint reading, planning, cabinet construction methods, and house construction methods. The class will build a cabinet as an individual project, and work together on a 8' x 12' shed. Good work habits, safety, employable skills, along with career exploration will be emphasized. The costs will vary depending upon the project. Parents will be informed of the cost before the student starts.

CAD DRAWING

Semester Course-1 credit

Grade Level: 10, 11, and 12, elective

Prerequisite: Geometry

CAD introduces students to the technical drawing skills, using a computer. Students will learn about lines and how they are used to draw sketches, multiviews, isometric, oblique views of objects. They will learn the importance of being accurate with measurements, and expressing ideas neatly on computer drawings. The second semester Auto CAD will allow students to use new technology to help them draw. Absolute, Relative, Polar coordinates, and 3-D solid modeling will be taught. Good work habits, employable skills, along with career exploration will be emphasized.

METAL TECHNOLOGY I

Full Year Course- 2 credits

Grade level: 9,10,11,12 elective

Prerequisite: None

This metal working course introduces students to metal applications, and the tools used to form them into a product. Students will use problems solving techniques to build projects. Skills will be developed in the following metal fabrication areas: sheet metal work, forging, heat treating, welding, cutting, grinding, and metal forming. Good work habits, safety, employable skills, along with exploration will be emphasized. The approximate cost for the course projects is \$20 - \$35.

METAL TECHNOLOGY II

Full Year Course -2 credits

Grade level: 10, 11, 12

Prerequisite - Metal Technology I

This course allows students to use the metal lathe, vertical milling machine, CNC milling machine, mig welder, and plasma-cutting torch. They will use this machinery to fabricate projects. Students will learn the proper construction techniques for metal fabrication. Good work habits, safety, employable skills, along with career exploration will be emphasized. The cost of projects will vary. Students will bring home a plan and cost of materials list for parents to approve.

ADV METAL TECHNOLOGY

Full Year Course-2 credits

Grade Level: 11th, and 12th elective

Prerequisite - Metal Technology I, and Metal Technology

This course allows students to use the metal lathe, vertical milling machine, CNC milling machine, mig welder, and plasma-cutting torch. They will use this machinery to fabricate projects. Students will learn the proper construction techniques for metal fabrication. Good work habits, safety, employable skills, along with career exploration will be emphasized. The cost of projects will vary. Students will bring home a plan and cost of materials list for parents to approve.

OTHER COURSE OFFERINGS

DRIVER'S EDUCATION

Summer course-no credit

Grade Level: 9-10, elective

Prerequisite: Student must be 14 years of age

To receive a license before age 18, an Iowa approved driver's education course must be completed. This class consists of a minimum of 30 hours of classroom instruction and 6 hours of behind-the-wheel driving. These are requirements of the State Department of Public Instruction. Students are given credit on their transcript for completion of this course, but no credit toward graduation from high school is given. This class is offered during the school year.

PHYSICAL EDUCATION

Semester Course (offered each semester)-1 credit

Grade Level: 9-12

Prerequisite: none

Physical Education is required of all students in high school. It consists of stretching and conditioning exercises, individual and team sports. Emphasis is put on physical fitness and included in the program are a number of lifetime sports and wellness activities. The student will be able to improve their physical, motor, mental and social development in physical education classes. The total educational development of the individual involves both physical and intellectual growth. Our physical education program is designed to develop the students through physical growth and provide knowledge for the individual to

continue lifelong fitness.

Strength Training

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardio Strength Training

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardio respiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, and overall fitness training and conditioning. Students will meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

Fitness For Life

This course is designed to give students become informed, independent decision makers capable of planning for enjoyable lifetime fitness and physical activity while at the same time achieving personal fitness and activity goals for the present. The units will include cardiovascular fitness, aerobics, flexibility, body composition along with nutrition.

Lifetime Sports

This course is designed for students interested in learning skills and strategies of team sports. This course will include daily skill instruction and implementation of those skills into a competitive game setting. A wide arrange of units will be taught. respiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, and overall fitness training and conditioning. Students will meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

SAT (STUDENT ASSISTANCE TEAM)

Semester or full year course--no credit

Grade Level: 9-12

Prerequisite: Approval by Principal

Students are selected for SAT to serve as peer tutors or peer helpers. Peer tutor/helper activities may be scheduled in the high school or elementary. SAT may be used to meet the six course requirement for students during their senior year with the administration's consent.

Grade level 9-12 students apply with the Guidance Office. Students are selected for SAT using an interview process. Students approved for SAT will be assigned to an adult supervisor. Grades are pass/fail only.

TAG (TALENTED AND GIFTED)

Semester or full year course--Course which meets TAG Guidelines will be designed individually and determined under the advisement of the TAG Coordinator.

Grade Levels: 9-12

Involvement Prerequisite: Approval by TAG Coordinator and meet TAG Guidelines

The purpose of this program is to provide extension, refinement, and enrichment opportunities for qualifying students. Gifted and talented children include those children with demonstrated achievement or potential ability, or both, in any of the following areas or in combination: General intellectual ability; Creative thinking; Leadership ability; Visual and performing arts ability; Specific ability aptitude.

All TAG students are eligible for dual enrollment in college and GLR HS Classes Other opportunities may include workshops, advanced placement programs, and SAT and ACT testing/preparation.

Students who were previously in TAG may continue their membership if a high GPA and/or Iowa Assessments are maintained.

WORK STUDY

Semester or full year course - 1 credit

Work study allows juniors or seniors to work two consecutive periods a day at a workstation in the community. This provides an opportunity for the students to explore an occupational area they may want to pursue following high school or college graduation. There is no pay for their work experience other than the chance to gain valuable on-the-job training from experts in the field.

EXTRA-CURRICULAR ACTIVITIES

DRAMA

Purpose: The drama department provides students with the opportunity to experience the energy and enthusiasm of the theater. Students are provided a wide range of activities revolving around the production of the fall play/musical. Students can participate as actors, the assistant director, backstage hands, make-up artists, costume designers, and stage crew. The production of play allows students to work together toward an ultimate goal and emphasizes the importance of teamwork.

Membership: Open to all G-LR students.

Timeline: September through November.

LARGE GROUP SPEECH

Purpose: The large group speech team provides students with the opportunity to perform as a team in a competitive

atmosphere. Eight separate categories accommodate the interests of any student. This team allows students the safety of performing as a group, while at the same time teaching the fine art of communication, a skill that will follow them throughout their lifetimes.

Membership Requirements: Open to all G-LR students.

Timeline: November through February.

INDIVIDUAL SPEECH

Purpose: The individual speech team is the final opportunity for students to perform, but on an individualized basis. Students can select from 13 distinct categories, allowing versatility in participation. Individual speech teaches that communication is a vital skill that will accompany them throughout their lives.

Membership Requirements: Open to all G-LR students.

Timeline: End of January through April.

FFA

Purpose: The primary aim of the FFA organization is the development of agricultural leadership, cooperation and citizenship. FFA members are challenged with many opportunities that range from livestock evaluation, officer positions, public speaking, leadership camps, participation in SAE program and many more agriculture related contests. FFA members receive travel opportunities for education and social enrichment.

Membership Requirements: Students must be enrolled in an agriculture education class. Students are encouraged to participate in and cooperate with an individual SAE program.

Timeline: September through May.

JAZZ BAND

Purpose: To teach students another style of music in a smaller group situation. Jazz offers students the opportunity to explore the world of improvisation and experiment with the capabilities of their instrument. It will build confidence through solo playing and responsibility from contests and other performances.

Membership Requirements: Must be a member of the concert band and will be chosen by auditions.

Timeline: October through May.

SPANISH CLUB

Purpose: To provide students with cultural experiences related to Spanish speaking people. Members participate in annual activities to experience Spanish cuisine and/or Spanish cultural programs available to the local area. On alternating years, Spanish Club members travel to Mexico to practice their Spanish speaking skills while mixing with our international neighbors.

Membership Requirements: Must be enrolled in Spanish class.

Timeline: September through August.

STUDENT COUNCIL

Purpose: To represent the student body in various school activities and to encourage student input in school policy and government affairs. The student council is responsible for various school activities such as student dances and pop/candy machine supervision. Primary emphasis is put on homecoming activities, but the student council also participates in other special projects throughout the year.

Membership Requirements: Eligible students are elected by class or club members and/or the entire student body.

Timeline: September through May.

SWING CHOIR

Purpose: To provide vocal music students possessing outstanding rhythm and singing ability a chance to perform with choreography in a small group atmosphere. The group serves as an excellent public relations instrument through its participation in church and area social events. They are responsible for presenting part of a major fundraiser for our music department; that being the annual swing show.

Membership Requirements: Must be an active member of mixed chorus.

Timeline: September through May.

YEARBOOK STAFF

Purpose: This organization is responsible for the coverage of all school activities involved in a school annual. Students construct yearbook pages, take pictures, and work on the computer.

Membership Requirements: Open to all G-LR students.

Timeline: September through May.

SPORTS PROGRAM

The list of athletic seasons listed below may assist the student in managing their time properly for achieving academic goals while participating in sports. The seasons listed below are for regular seasons and could be extended for varsity teams that enter post-season tournament play.

ATHLETIC
Football

TIMELINE
Mid-May - Late October

Volleyball	Mid-August - Mid-October
Cross Country	Mid-August - Late October
Wrestling	Mid-November - Mid-February
Girls Basketball	Early November - Mid-February
Boys Basketball	Mid-November - Late February
Girls Golf	Late March - Mid-May
Boys Golf	Late March - Mid-May
Girls Track	Mid-March - Late May
Boys Track	Mid-March - Late May
Softball	Mid-May - Mid-July
Baseball	Early May - Mid-July

CHEERLEADING

Football
Basketball
Wrestling

TIMELINE

September-November
Mid-November - February
Mid-November - Mid-February

HIGH SCHOOL PLANNING CHART

Grade 9	
1st Semester	2nd Semester
Literature 9	Literature 9
English I	English I
General Science	General Science
Math	Math
PE/Computer I	PE/Computer I
Any Academic Elective	Any Academic Elective
any Academic Elective	Any Academic elective
Any Academic Elective	Any Academic Elective

Study Hall or Academic Elective	Study Hall or Academic Elective
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Alternates:

Retakes:

Grade 10

1st Semester	2nd Semester
English II	English II
World History	World History
Biology	Biology
P.E./Health	P.E./Health
Math	Math
Academic Elective	Academic Elective
Academic Elective	Academic Elective
Study Hall or Elective	Study Hall or Elective

Alternates:

Retakes:

Grade 11

1st Semester	2nd Semester
Writing (1 st or 2 nd sem)-----	-----
U.S. History	U.S. History
Health	Health
PE/American Lit	PE/American Lit
Math and/or Science Elective	Math and/or Science Elective
Academic Elective	Academic Elective
Academic Elective	Academic Elective
Study Hall or Elective	Study Hall or Elective

Alternates:

Retakes:

Grade 12

1st Semester	2nd Semester
English Elective	English Elective
Social Studies Elective	Social Studies Elective
PE/Gov't	Academic Elective
Academic Elective	Academic Elective
Academic Elective	Academic Elective
Academic Elective	Academic Elective
Personal Finance or Government	Personal Finance or Government
Study Hall or Elective	Study Hall or Elective

Alternates:

Retakes: