

# **GEORGE-LITTLE ROCK HIGH SCHOOL**



## **COURSE DESCRIPTION GUIDE**

## **INTRODUCTION**

Dear Students,

Please take time to read this course description guide carefully with your parents. Your course selections should reflect your careful consideration of the information provided.

Be sure to check all entrance requirements for enrollment in post-secondary institutions as you plan your high school course selections. If you have questions regarding entrance into a technical school, college or university, please consult with our guidance counselor.

The proposed high school schedule will be available on the school website [www.george-littlerock.org](http://www.george-littlerock.org). Courses selected by very few students may be dropped. Courses that do not appear on this tentative schedule may be added pending enough student interest. It is wise to select one or two alternates when choosing electives. Every effort will be made to meet each request. A course planning guide may be found on the final pages to assist students in planning each year of their high school course selections.

To make the most of your high school experience, all students should consider the extra-curricular opportunities in the final pages of this guide. Extra-curricular programs help students apply skills learned in school, build good character traits, and experience personal pride.

Sincerely,

Mr. Munson, Principal

## **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 extra-curricular 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, post-secondary 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**

**Freshman Computer:** 1 semester

**Health:** 1 semester

**English:** 10 semesters

Literature 9 (2 sem)  
Writing 9 (2 sem)  
English II (2 sem)  
American Literature (sem)  
Writing for Everyone (sem)  
One other Literature course (sem)  
One other Eng dept elective (sem)

**Physical Education:** 8 semesters

**Science:** 6 semesters

General Science (2 semesters)  
Biology (2 semesters)  
Science Elective (2 semesters)

**Math:** 6 semesters

**Social Science:** 6 semesters

World History (2 semesters)  
U.S. History (2 semesters)  
American Government (semester)  
One other Social Science department elective (semester)

**Physical Education credit:** 1 credit can be earned each year in P.E., but not toward GPA. Required course.

# **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 APPLICATIONS**

Semester Course-1 credit

Grade Level: 10-12, elective

Prerequisite: Computer I

This course will build computer knowledge by including advanced application programs of Microsoft Word, Microsoft Excel, Microsoft Access, and desktop publishing Microsoft 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 glogs, animation, and movie editing software.

### **INTERACTIVE MULTIMEDIA**

Semester Course-1 credit

Grade Level: 11-12, elective

Prerequisite: Computer I, Computer Applications, Computer Multimedia

This is an upper level class where students will learn computer programming and code through designing and creating video games and animation. This will be done through a variety of programs and will allow students to create, edit, and play their games to be published online for others to play as well.

### **WEB DESIGN**

Full Year Course-2 credits

Grade Level: 11-12

Prerequisite: Computer I, Computer Multimedia, Computer Applications

This is an upper level, hands on computer class where students will learn how to create html code and use web design including Microsoft Expression Web and Adobe Creative Suite 5. Students will also help create athletic videos, as well as the senior graduation video.

## **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 theme, exploring characterization, etc. will be stressed throughout the year. Vocabulary will also be emphasized.

### **WRITING 9**

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 cumulate in a term paper.

### **CREATIVE WRITING**

Semester Course-1 credit

Grade Level: 10-12

Prerequisite: Writing 9

Using the 6+1 traits of writing as its foundation, this course would focus on the creative aspects of writing. Units to be covered include: journalism and its unique writing needs (newspaper, television, and advertising), poetry, fiction, technical writing, and narration. We will focus on writing for a variety of audiences. Included will be an intensive study on the qualities of good writing, including figurative language, content, focus, organization, and style. Vocabulary development in conjunction with good writing will also be emphasized. Chances for publication in various contests around the area are possible.

### **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, writing ability, 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 Native American writings, revolutionary war literature, the Romantic era, poetry, and 20th century authors. Class analysis will emphasize writing, reading checks, participation, listening and reading skills, and exams.

## **WRITING FOR EVERYONE**

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 (ICN 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 (ICN 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*.

## **ADVANCED READING**

Semester Course-1 credit

Grade Level: 11 & 12, elective

Prerequisite: American Literature and one Literature elective

Advanced Reading is a course designed to allow students the opportunity to read a variety of literary genre most commonly requested by universities and colleges. Much reading will be on an individualized basis along with class selections which will be analyzed and discussed as a group. Emphasis will be on techniques of analyzing literature as to literary components, similarities/contrasts with other works, insights into human motives and the complexities of human relations, and an awareness of the author's role in historical, cultural, and social changes. Personal insights, opinions, and ideas which can be effectively explained and supported in spoken and written form will be stressed as a natural outcome of the students' reading. 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 make-up 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-1 credit

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*.

**ENGLISH LITERATURE**

Semester Course-1 credit

Grade Level: 11- 12, elective

Prerequisite: none

This course will follow the chronological history of English literature from Old English to late Nineteenth Century.

Representative samples which may include poetry, plays, essays, short stories, and/or the novel from each of the major periods will be examined. The student will experiment with writing and speaking in Old and Middle English as the influence of cultural changes in the language is traced. Hopefully, the student will gain an appreciation of the ever-changing nature of a living language. This class fulfills the *literature requirement*.

**College Speech (ICN 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 occasion.

**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 2-yr. Applied Algebra Series. Completion of Applied Algebra Courses A & B is equivalent to Algebra I. Topics of study include Patterns, Integers, Functions, Equations & Inequalities

**PRE ALGEBRA II**

Full Year Course-2 credits

Grade Level: 9-12

Prerequisite: Pre Algebra I

This is the second course in the 2-yr. Applied Algebra series. Completion of Pre Algebra I and Pre Algebra II is equivalent to Algebra I. Topics of study include Matrices, Exponents, Transformations, Polynomials & Factoring.

**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 (ICN 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.

### **ELEMENTARY STATISTICS - Polycom (Rock Valley)**

Semester Course-1 credit

Grade Level: 12 elective

Pre-requisite - Algebra II

Statistics are all around us...making an appreciation for, and basic understanding of, the subject area essential. This course will introduce each student to topics of statistics and probability through applications and examples from the world around them. Each chapter includes an article pertaining to the 'uses and abuses' of statistics. Some of the specific topics covered include normal distribution, confidence intervals, hypothesis testing, and correlation and regression graphs.

### **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. The course concludes with a unit on management of natural resources. The course includes laboratory activities, cooperative learning labs, and current societal issues involving science and technology

### **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. Dissection labs of the minor animals studied also receives special emphasis. Ecological relationships, biological advancements and the problems created by these concepts are also discussed.

### **FORENSIC SCIENCE**

Semester Course-1 credit

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-1 credit

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.

### **WILDLIFE BIOLOGY**

Semester Course-1 credit

Grade Level: 11-12

Prerequisite: General Science and Biology

Students study conservation, ecology, wildlife management, and the business behind preserving species. We study topics like hunting, allowing top predators greater territories, urban coyotes, invasive species, the importance of saving species, and what jobs are available to take part in this evolving and growing field. We take a look at specific mammals, birds, and plants of the area, what research is being done, and how we can contribute our own research. The goal of this course is to help cultivate an appreciation for habitats lost, like the prairie and many of our wetlands, and how we can contribute to their re-establishment.

### **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 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 local government and current elections.

### **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. 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 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**

Semester Course: 1 credit

Semester: First

Recommended Grade level: 9-11

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. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers. Students will be study all aspects of animal science, including beef, sheep, swine, horse, poultry, specialty animals, and small animal care and production. Topics such as nutrition, anatomy, genetics, entomology, pathology, and animal behavior are covered in depth. We will also discuss breeding, selection, reproduction and other various management decisions.

#### **HORTICULTURE**

Semester Course: 1 credit

Semester: First

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.

**AGRI-SCIENCE**

Semester Course: 1 credit

Semester: Second semester

Recommended grade Level: 11-12

Prerequisite: Animal Science and/or Crop Science

With its seamless integration of biology, physical science, technology, and agriculture, students will gain a comprehensive introduction to the field of agri-science. We will cover biotechnology, food and fiber technology, energy and power technology, computer-aided management, and environmental technology; as well as topics from genetic engineering to low-input sustainable agriculture.

**CROP SCIENCE**

Semester Course: 1 credit

Semester: Second after Horticulture

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.

**AG BUSINESS MANAGEMENT**

Semester Course: 1 Credit

Semester: First Semester

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. Student 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.

**NATURAL RESOURCES**

Semester Course: 1 Credit

Semester: Second after Animal Science

Recommended grade level: 9-12

Prerequisites: None

This course will provide an opportunity for students to increase awareness of the close ties among living organisms. We will discuss natural and environmental concerns with the interrelationships of living organisms and the world around us. Students will examine all aspects of our natural surroundings. Topics include history of Natural Resources, Concepts in Natural Resource Management, Erosion, Water Resources, Fish & Wildlife Resources, Outdoor Recreation, Waste Management, and Leaf Identification.

**ANIMAL SCIENCE II**

Semester Course: 1 Credit

Recommended Grade level: 12<sup>th</sup> grade FFA members or consent of instructor

Prerequisite: Animal Science I

Students will be involved all aspects of animal science, along with continuing from Animal Science I, this class will be examining Animal Genetics, Reproduction Process, Animal Growth and Development, Animal Nutrition, Meat Science, Animal Diseases, and Animal Welfare. The course will be supplemented by FFA activities and SAE Projects and working at the FFA Farm.

## **FARM MANAGEMENT**

Semester Course: 1 Credit

Recommended Grade Level: 12<sup>th</sup> Grade FFA members or consent of instructor

Prerequisite: Ag Business

Basic economic concepts of agricultural economics; demand and supply; price fixing; concept and scope of farm management; management function; organization of farm setup; farm records and accounting; asset valuation and depreciation schedule; production function and decision making; concept of economic optimum; farm budgeting; personnel management; management decisions under imperfect knowledge; marketing operations and services; marketing agencies and channels; Market information; market regulation; problems of agricultural marketing.

## **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 AND ENTERTAINMENT MARKETING**

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 verses 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.

## **FAMILY AND CONSUMER SCIENCE**

### **SINGLE LIVING**

Semester Course-1 credit

Grade Level: 9-12

Prerequisite: none

This course covers the fundamentals of living alone. Areas covered are clothing maintenance, care and repair, washing machine and dryer use, ironing, nutrition, kitchen basics and food preparation for one.

### **HEALTH**

Semester Course-1 credit

Grade Level: 11

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.

### **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, mealtime etiquette, entertaining, foods of the world (foreign cookery) and careers.

### **CHILD DEVELOPMENT**

Semester Course-1 credit

Grade Level: 11-12, 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, pre-schoolers 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.

### **CHILD DEVELOPMENT II**

Semester Course-1 credit

Prerequisite: Child Development

Grade Level: 11-12

This course covers the physical, emotional, social, and intellectual development of children ages one through six, 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.

### **HUMAN RELATIONS**

Semester Course-1 credit

Grade Level: 11-12, 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.

## **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: blue print 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 cost of project will vary; the first cabinet will cost \$55.00. The students will then

bring home a plan and cost of materials list for parents to approve. Good work and safety habits will be stressed.

### **INDIVIDUAL WOOD TECHNOLOGY**

Full Year Course-2 credits

Grade Level: 11th, and 12<sup>th</sup> 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: blue print 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 paper. 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 coast of materials list for parents to approve.

### **INDIVIDUAL METAL TECHNOLOGY**

Full Year Course-2 credits

Grade Level: 11th, and 12<sup>th</sup> 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 coast of materials list for parents to approve.

### **SMALL ENGINE TECHNOLOGY**

Semester course- 1 credit

Grade Level: 10, 11, and 12. elective

Prerequisite: none

This course introduces students to the workings of two or four cycle engines. Special attentions will be placed on how a carburetor works. The class will overhaul and rebuild a 3 to 10 horse power engine. Each student will be asked to bring their own engine to class, and maintain a Procedure Job Sheet. Once the job sheet is filled out the student will rebuild the engine. Any parts that need to be replaced must be purchased by the student. Students will be working on basic car maintenance toward the end of the semester.

### **SMALL ENGINE TECHNOLOGY II**

Semester course-1 credit

Grade Level: 11 and 12 elective

Students will learn how two and four cylinder engines work. They will then dismantle the engine following a procedure, check various components to their tolerances, and make adjustment as necessary. Some part may be worn out, or broken. In that event a decision will be made as to whether or not the parts will be replaced. Students are responsible to pay for all parts. The student will be graded on how well the engine runs when they have finish putting the engine back together. Students will then

have competition on building a go-kart frame. They will mount their rebuilt engines on to the frame. There will be a race which go-Kart completes the course first.

## **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**

Full Year Course-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.

### **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--no credit for unscheduled activities

Grade Level: 9-12

Prerequisite: Approval by TAG Coordinator and meet TAG Guidelines

The purpose of this program is to provide enrichment opportunities for qualifying students. Areas for giftedness include artistic ability, creativity, intellectual skills, social development and leadership. All TAG students are eligible for dual enrollment in college and GLR utilizing the ICN room. Statewide opportunities includes workshops, advanced placement programs, and comparative SAT and ACT testing.

Candidates must be nominated by instructors and/or peers and have qualifying test scores on the Iowa Tests of Educational Development (ITED) OR THE Iowa Test of Basic Skills (ITBS) for incoming freshman.

Students who were previously in TAG may continue their membership if a high GPA or ITED score is 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 work station 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 fund raiser 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**

	<b>TIMELINE</b>
Football	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**

	<b>TIMELINE</b>
Football	September-November
Basketball	Mid-November - February
Wrestling	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

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 <sup>st</sup> or 2 <sup>nd</sup> 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	PE/Gov't
Academic Elective	Academic Elective
Study Hall or Elective	Study Hall or Elective

Alternates:

Retakes: