

Larned High School
Learning Today – Leading Tomorrow



Course Description Book
2019-2020

815 Corse Avenue
Larned, Kansas 67550-2496

Ph (620) 285-2151 Fax (620) 285-2151

Faculty and Students:

The purpose of this course description booklet is to assist students plan a meaningful high school education. This booklet includes descriptions of all classes that may be offered. However, due to availability of qualified faculty and time, all of these courses may not be offered.

Parents need to be involved in education planning. If students have questions or special problems, they should consult the counselor or their seminar teacher for help.

The Board of Education requires 26 credits to graduate from Larned High School. To earn a diploma a student must have the following credits:

4	Credits of Language Arts (3 English; English 12 or English IV).
3	Credits of Social Science (1 World History; 1 American History; 1/2 Government; and 1/2 Social Studies elective).
3	Credits of Mathematics
3	Credits of Science (1 credit of Laboratory Science).
1	Credit of Physical Education/Health
1/2	Credit of Consumer & Personal Finance
1	Credit of Fine Arts
<u>10 1/2</u>	Credits of Electives.
26	Credits for Graduation.

A student course preference worksheet will be completed in the spring of each school year. This aids in developing the class schedule for the next year.

Sincerely,

Troy Langdon
Principal

OPHOMORE: Must have 6 credits
JUNIOR: Must have 12 credits
SENIOR: Must have 18 credits

Qualified Admissions - Pre-College Curriculum

- Complete the precollege or Kansas Scholars Curriculum with at least a 2.0 GPA; AND
- Achieve ONE of the following:
 1. ACT score of 21 or higher; OR
 2. SAT score of 980 or higher; OR
 3. Graduate in the top one-third of their class; AND
- Achieve a 2.0 GPA or higher on any college credit taken in high school.

- Biology
- Biology II
- Chemistry
- *Intro to Chemistry

Physics

Adv. Chemistry

Adv. Biology

*Ecology (the * classes do not count)

- Algebra I
- Geometry
- Algebra II
- Any course with Algebra II as a prerequisite

AND students must meet the ACT college readiness math benchmark

Must have 22.

The fourth unit may be prescribed by the school district and must be designed to prepare students for college.

- American History (1)
- World History (1)
- U.S. Government (.5)
- World Geography (.5)

- English Foreign Languages
- Math Personal Finance
- Natural Science Speech, Debate, Forensics
- Social Science Journalism
- Fine Arts Career and Technical Educ.
- Computer/Information Systems

REGENTS RECOMMENDED CURRICULUM SCHOLARSHIP PROGRAM

English -- 4 units. English 9, English 10, English 11, English 12

Mathematics -- 4 units. Algebra I, Geometry, Advanced Algebra and one unit of advanced math such as Functions, Stats/Trig/Analytical Geometry, or PDM

Science -- 3 units. One unit each in Biology, Chemistry, and Physics

Social Studies -- 3 units.

Foreign Language -- 2 units. Two units of one language.

NCAA CLEARINGHOUSE INFORMATION

If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II intercollegiate athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. It is your responsibility to make sure the Clearinghouse has the documents it needs to certify you. To be certified by the Clearinghouse, you must:

1. Graduate from high school. You should apply for certification before graduation if you are sure you wish to participate in athletics as a freshman at a Division I or II institution.
2. Earn a grade-point average of at least 2.0 (on a 4.0 scale) in a core curriculum of at least 16 academic courses which were successfully completed during grades 9 through 12. Only courses that satisfy the NCAA definition of a core course can be used to calculate your NCAA GPA.
3. Earn a combined ACT or SAT score and core course grade point average on the sliding scale as printed in the NCAA Clearinghouse handbook.

For more information regarding these rules, please go to www.ncaaclearinghouse.net.

NAIA CLEARINGHOUSE

MUST MEET TWO OF THE THREE:

1. A minimum of 16 on the ACT
2. A minimum of 2.0 GPA on a 4.0 scale
3. Be in the top half of your graduating class.

BUSINESS DEPARTMENT

Consumer & Personal Finance (22210 .5 credit)

Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also provide an overview of the American economy.

Business Essentials (12050 – 12050G0.501114GX .5 credit)

This is a core course designed to give students an overview of the business, marketing and finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibilities.

Business Economics (12105 – 12105G0.501114GGF .5 credit)

Business Economics courses integrate economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk).

Entrepreneurship (12053 – 12053G0.501114GGF .5 credit) and Business Management (12052G0.501114GGF .5 credit)

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

Business Management (12052 .5 credit)

Business Management courses acquaint students with management opportunities and effective human relations. These courses provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

Marketing (12152 1 credit)

Marketing—Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are often covered as well.

Accounting (12104 – 12104G1.001114GGF 1 credit)

(Full Year 12104G0.502214GGF/12104G0.501214GGF)

Accounting courses introduce and expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets,

or other automated tools are usually used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

Applied Business Development (32200 – 32200G1.001115GGF/32200G0.501215GGF/32200G0.502215GGF 1 credit) (Business Training I & II)

1 credit

Business Training is a Junior or Senior level course designed for exploration and work experience. Students will develop entry level working skills with local businesses. Assignments are made in coordination with the instructor based on the student's abilities and work habits. Each student is responsible for checking in with the coordinator on a regular basis, and the coordinator also checks with the businesses involved. Students will not be paid for their work; their compensation will be the experience they gain working with the local businesses. **MUST HAVE OWN TRANSPORTATION.** A maximum of two credits may be earned. Because of the difficulty it creates in placing students pre-enrollment is necessary.

Prerequisite: approval is based on attendance and GPA of at least a 2.75

FACS

Career and Life Planning (22207 .5 credit)

Human Services Career Exploration courses introduce and expose students to the career opportunities pertaining to the provision of personal and consumer services for other human beings. Course topics vary and may include (but are not limited to) caring for other, independence life literacy skills, education, post-secondary opportunities, and career readiness skills. Human Services industries such as cosmetology, apparel/textiles, entrepreneurship, caring industries, food service, real estate, and customer service may be explored. Self-Management courses introduce students to the skills and strategies helpful in becoming more focused, productive individuals. These courses typically emphasize goal-setting; decision-making; managing time, energy, and stress; and identifying alternatives and coping strategies. They may also allow students to explore various career and lifestyle choices.

Human Growth and Development (45004 .5 credit)

Human Growth and Development provide students with knowledge about the physical, mental, emotional, and social growth and development of humans from conception to old age, with a special emphasis on birth through adolescence. Course content will provide an overview of life stages, with a strong tie to prenatal and birth processes; fundamentals of children's emotional and physical development; and the appropriate care of children.

Family Studies (22208 .5 credit) and Leadership Studies (22255 .5 credit)

The Family Studies/Leadership Service course explores the roles and responsibilities of individuals as a member of a family and society. Topics could include issues such as how society, media, technology and diversity impact their ability to balance work and family. It also includes the development of children and parents as their earliest teacher. Parenting styles and family stages are explored as is the changing demographics which will change the face of the US family. Occupations related to meeting the needs of families will be analyzed. This course will promote the creation of healthy and sustainable families be they their own or those they work with. Additionally, this course will explore life literacy skills promoting independence and providing skills to be productive members of society. These skills include leadership skills and the importance of leadership service that will aid students in navigating through independent life.

Nutrition and Wellness (4713 .5 credit) and Culinary Essentials (16052 .5 credit)

Nutrition and Wellness explores the relationship of basic nutrition and wellness across the lifespan. It includes an in-depth look at special dietary needs, regulations, technology and the global impact on nutrition and food choices. How to make wise nutritional and wellness choices to develop a healthy self will be a major component of this course as well as an introduction to the occupations related to the field, including possible catering experience. Additionally, students will look at all aspects of wellness, including mental, physical, and emotional wellness, by covering topics such as sleep and stress. This class offers an integrated and hands-on approach to wellness necessary for self care and daily living.

Students will utilize information learned in the classroom by practicing hands-on learning through basic cooking skills.

Community Connections (22270 .5 credit) and Career Connections (22275 .5 credit)

Career and Community Connections is the application level course for the learner to apply technical skills in a professional learning experience, outside or within the school environment. Included will be continued development and finalization of the student's portfolio and career readiness skills. Career and Community Connections provides the opportunity for learners to focus on career related topics, team building and effectiveness in the world of work, and acquiring job-seeking skills and retention needed to advance within the workplace. This class is the capstone class for the FACS courses offered at LHS and should be taken as the final FACS class.

*Prerequisite – Students must be a junior or senior with at least a 2.75 GPA to be eligible for this class.

FINE ARTS

Music Appreciation

1 credit

According to the Webster's Dictionary, Appreciation in regards to the arts has to do with a sensitive awareness. In music appreciation, all students will be educated in the basic fundamentals of music and how to be aware of them in the music of today's (and yesterday's) world. Students DO NOT need to have a musical background in order to succeed in class; however, all students must have a general interest in the topic and a desire to learn.

Choir

1 credit

Choir is a performance-based class where attendance is always of utmost importance. Each student is expected to contribute in a positive way to the overall group's work. Attendance is expected each day in the classroom as well as at every required performance. A list of required performances will be distributed at the beginning of each school year. Other nonscheduled performances may be added with at least two week's notice. Grades are based on participation in classroom activities, cooperation, attitude, and effort, as well as required performances. Choir focuses on the basics of vocal production and fundamentals of choral singing. A variety of choral literature will be presented during each term.

Vocal ensemble members will be selected from the Choir. These vocal ensembles will rehearse outside of the school day.

Prerequisite: None

Band

1 credit

Band is a performance-based class. Attendance is of utmost importance and will affect your grade. The band will perform at home football games, Veterans Day Parade, and may perform at the Christmas Parade. Students from band will also perform as a pep band at home basketball games and will attend tournaments

as scheduled. The Symphonic Concert Band will perform on the Christmas concert as well as a Spring Concert. Other performances may also be scheduled for these groups. Band members will perform at state music festival, and each member may perform in an ensemble or solo situation at regional and state music festivals.

Prerequisite: Students must be in band consecutively from beginning band and have a successful completion of prior semester. If a student is interested in joining without consecutive semesters they must audition for the instructor.

FOREIGN LANGUAGES

SPANISH

1 credit

Spanish 1 focuses on the basic foundations of Spanish. The course will include reading, writing, speaking, and listening in Spanish. Students will also learn about Spanish speaking countries and culture.

SPANISH II

1 credit

Spanish 2 is the continuation of Spanish 1. Students continue learning the basic foundations of Spanish. They will also learn about Spanish speaking countries and culture.

Prerequisite: Spanish I

SPANISH III

1 credit

Spanish III is a continuation of Spanish II. This course places a greater emphasis on the study of Spanish culture, literature, history, and art. Students will be challenged to demonstrate greater proficiency in written and oral expression, and to develop a deeper understanding and appreciation of Spanish culture. Grammar skills will be emphasized.

Prerequisite: Spanish

SPANISH IV

1 credit

Spanish IV is a continuation of Spanish III. This course includes short stories and skits. Grammar skills will be emphasized.

Prerequisite: Spanish III

INDUSTRIAL ARTS

Automotive Services 1 – 1.0 credit

An introductory level course to ideally suited for all students who own or intend on owning an automobile. The course will instruct students on basic vehicle inspections, useful when purchasing a vehicle or preparing for a road trip. Students will gain an understanding of basic vehicle functions and components. Students will check and replace oil, transmission fluid, and brake fluid. Students will learn shop safety procedures.

Automotive Services 2 – 1.0 credit

An intermediate level course in which students will learn more extensive automotive maintenance procedures to include brake pads and rotors, fuel injector systems, electrical systems and more. Students will begin to troubleshoot and repair common automotive ailments. Students will learn where to seek out information on their automobile and begin to understand troubleshooting procedures on a more independent level. Students will demonstrate shop safety understanding.

Automotive Services 3 – 1.0 credit

Advanced level application course designed to allow students independence in working on customer vehicles. Students will learn about internal components and diagnostics. Students will remove engines from vehicles when necessary and complete internal maintenance to include timing chain/belt, head gaskets, valve repairs, and possible complete rebuilds. While not required, students are encouraged to procure their own semester long project vehicles. Students will tour and report on professional automotive shops and automotive programs available to college/tech-ed students. Student will demonstrate shop safety understanding.

Intro to Industrial Technology (38001 .5 credit) & Drafting (21102 .5 credit)

An introductory Level course designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing and Transportation areas.

Drafting—General course to introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Drafting—General courses use exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multi-view projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives.

Cabinetmaking & Furniture Design I (17007 1 credit)

Cabinetmaking courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Initial topics may resemble those taught in Woodworking courses; more advanced topics may include how to install plastic laminates on surfaces and how to apply spray finishes.

Cabinetmaking & Furniture Design II (38007 1 credit)

An advanced level application course designed to provide students with experience in constructing cases, cabinets, counters, furniture and interior woodwork.

Residential Carpentry I (17002 1 credit)

Construction—Comprehensive courses provide students with basic knowledge and skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance.

Production Welding Processes I (39207 1 credit)

A comprehensive course designed to provide students with knowledge and skills in basic welding theories and terminology. This course will emphasize shop safety, equipment setup and maintenance and how to perform basic welds with oxy-fuel, ARC and mig.

Production Welding Processes II (39208 1 credit)

An application level course designed to instruct students in the knowledge and skills needed for fabrication problem solving. Students will use oxy-fuel, arc, mig, tig and the plasma torch in the fabrication process.

Drafting/CAD (21107 1 credit)

Frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course), CAD Design and Software courses introduce students to the computer-aided drafting systems available in the industry.

LANGUAGE ARTS

ENGLISH 9

1 credit

Ninth grade English is a study of literature, composition, grammar, vocabulary, and spelling. The study of literature includes nonfiction, short stories, a novel, mythology, drama, and poetry. Composition includes writing four types of paragraphs: expository, narrative, descriptive, and persuasive. In addition, one full-length paper incorporating six-trait analytical writing is also required. Library, research, and dictionary skills are also emphasized.

ENGLISH 10

1 credit

The course will review basic grammar while some more advanced grammar will be studied. The basic six-trait writing skills will be developed in a proper essay format. Students will study the development and highlights of both American and English literature from 1800 to the present.

ENGLISH 11

1 credit

Students will continue to develop strong essay writing practices and valid research techniques as they implement MLA formatting when completing multiple compositions; they will also read extensively in Glencoe's British Literature Anthology and from multiple novels during the semester.

ENGLISH 12

1 credit

Students will read extensively in Glencoe's American Literature Anthology and from multiple novels during the semester; they will also continue to develop strong essay writing practices and valid research techniques as they implement MLA formatting when completing multiple compositions.

ENGLISH IV

1 credit

This course is a senior's only level, which includes various reading and writing of technical and expository pieces. Vocabulary, grammar, and various reading exercises are also used to prepare students for post secondary education and workforce applications.

DRAMA

Students will explore the craft of acting through exercises, scene work, and theatre games designed to develop performance skills and technique; students will also have the opportunity to learn additional skills necessary for staging a successful production.

PUBLIC SPEAKING

.5 credit

This class is designed to introduce the students to a variety of speaking situations. Elements of enunciation, gestures, clarity, logical organization, and appropriate conduct will be explored through such things as interviews, presentations, persuasion, and technical instruction. While some written work is required, the majority of the class will be spent on the art of oral communication.

DEBATE

5 credit

Debate is a course open to all students. This class is designed to improve interpersonal and collaborative skill. Also, it introduces the basics of policy debate, writing affirmative cases, composing negative blocks, and giving extemporaneous speeches. In addition, it builds teamwork skills that will transcend into their adult lives. Students will develop and maintain files on the debate resolution. Furthermore, it requires intense research and library skills that will be used in many facets of the students' lives.

MATHEMATICS

PRE-ALGEBRA

1 credit

This course is designed to prepare the students to take Algebra. The concepts covered in this class will include real numbers, variables, solving equations, proportion and %, inequalities, basic concepts of geometry and data analysis. This course does not meet Qualified Admissions standards for math.

ALGEBRA

1 credit

The first year algebra course emphasizes the basic properties of real numbers through the use of variables. The student will also work with the solution and graphs of linear equations, inequalities, and quadratic equations, as well as factoring polynomials. Attention is given to application of algebraic principles of solving problems.

Prerequisite: Incoming freshmen must have “B” or better in previous math course.

GEOMETRY

1 credit

This course is designed to help students understand the nature of deductive and inductive proof -- the role of definitions, the undefined terms, meaning and use of axioms, meaning of logical sequence, and the requirements of necessary and sufficient conditions. Attention is given to helping pupils see how experimentation, induction and deduction must supplement each other in scientific reasoning. How geometry plays a role in our physical environment and the interrelationships which exist between plane geometry and the other fields of mathematics such as arithmetic, algebra, trigonometry and analytic geometry will be explored.

Prerequisite: Incoming freshmen must have a “B” or better in 8th grade Algebra.

ADVANCED ALGEBRA

1 credit

Advanced Algebra is an extension of Algebra and will include a systematic development from rational to irrational, to complex numbers. Items covered will include relationships between direct and inverse variations and graphs and equations of linear, quadratic, exponential and logarithmic equations. More emphasis is placed on setting up these equations as well as discovering methods to finding solutions for these equations.

Prerequisites: Algebra and Geometry

FUNCTIONS

1 credit

This course is designed to take an in-depth look at functions and develops the ability to analyze those functions. A deeper understanding of the concepts of Domain, Range, symmetries, end behavior, and other special properties of functions will be covered. A more advanced level of analysis of composite, exponential, logarithmic, rational and irrational functions will be covered. Special emphasis will be placed on the discovery of solutions for each of these types of problems.

Prerequisite: Advanced Algebra

STATS/TRIG/ANALYTICAL GEOMETRY

1 credit

This course is designed to cover statistics at an introductory level. It will look at trigonometry in depth and also include analytical geometry on a more in-depth level. This will be a comprehensive study of advanced math topics.

Prerequisite: Functions.

PRE-CALCULUS

1 credit

This advanced level math course will focus on the logistics of mathematics, the properties used and a systematic analysis of the logic of problem solving. This course will further develop the concepts of Functions and Trigonometry as well as develop more of the concepts used in college level Calculus. The concepts of derivatives, vectors and integrals will be explored and examined.

Prerequisites: Stats/Trig/Analytical Geometry

Offered 2014-2015

PHYSICAL EDUCATION

PE I

1 credit

This course will help students to maintain a state of physical fitness and see the values of exercise and activities throughout life. Skills for living, chemical abuse, and health components are integrated in the class. Written tests will be used along with the activities covered in class. Activities include: physical fitness testing, volleyball, football, softball, basketball, badminton, table tennis, and soccer.

WEIGHT TRAINING

1 credit

This class will emphasize the development of flexibility, strength, speed and endurance. In addition to a program of instruction on the values of personal health and development, each student will be involved in designing a program of individual development. The class will use a variety of techniques to ensure a proper balance in growth, including flexibility, agilities, speed development, plyometric training, and weight training. This is an excellent class for student/athletes who wish to improve athletic performance.

SCIENCE

GENERAL SCIENCE

1 credit

General Science is a brief, general introduction to physical, earth, space and life sciences. The objective is to give students a wide background to better understand the world around them, and stimulate further interest in these areas.

BIOLOGY

1 credit

Biology I provides general introduction to the study of life. There will be topics presented on ecology, genetics, botany, zoology, microbiology, evolution, taxonomy, cell physiology, and human biology. Besides students learning and practicing laboratory techniques, the instructional methods will include class discussion, higher level questioning, applied biology, individual projects and reports, computer and audiovisual materials.

ANATOMY AND PHYSIOLOGY

1 credit

Biology II is a college preparatory course. Human Anatomy and Physiology of the human body will be the main topic during this class. Students will learn the structures, functions, and regulation of human body systems. During all topics, biological applications will be emphasized. Practices and theories learned, this is a preparatory course for future studies in the life sciences. (This class will be offered opposite years of Advanced Biology)

CHEMISTRY

1 credit

Chemistry deals with the structure, composition, and the changes in structure and composition of matter. Applications to everyday living are made whenever possible, but the primary emphasis is upon obtaining a background of fact and theory applicable to a preparatory course for further study in chemistry, biology, medicine, home economics, agriculture, physics and engineering. Laboratory work is intended to familiarize the student with basic equipment and techniques used in science.

Prerequisite: Algebra

CHEMISTRY II

1 credit

This course in Organic Chemistry builds on students' understanding of fundamental principles developed in General Chemistry, including descriptions of chemical bonding, the significance and quantitative analysis of chemical thermodynamics, chemical kinetics including reaction rate expressions, properties of gases and solutions, descriptions of acidity and basicity, chemical equilibria, and the chemistry of oxidation and reduction processes.

INTRODUCTION TO PHYSICS

1 credit

Course Description: This course covers an introduction to basic physics for students who have successfully completed two other science courses (ex. biology & chemistry). Topics to be covered will include, but not be limited to, scientific method, mathematics of science, measurement, experimental design, kinematics, mechanics, work, gravity, energy, and historical figures of physics (ex. Newton & Galileo). This course is not recommended as a prerequisite for Physics and does not meet the State Scholar Physics requirement.

PHYSICS

1 credit

Physics is a course that investigates the relationships between heat, light, sound, mechanics, electricity and atoms. Applications to everyday living are made whenever possible. Laboratory work is intended to familiarize the students with equipment and techniques used in physics. Problem solving is used to help students to think. Teaching how to think means providing students first with a knowledge of the principles and techniques of creative and critical thinking, and second with regular guided practice in applying those

principles and techniques to problem-solving and decision-making situations.

Prerequisite: Algebra

CODING COURSE DESCRIPTION

1 credit

This is the beginning course in computer coding and robotics. Students will develop an understanding of coding, be able to implement, and understand how it relates to technology around them. Students will be utilizing robotic kits, coding, and various of other hardware accessories to design, develop, build, and program functional robots that will be able to perform specialized functions and tasks. Topics may include servos, motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems, and binary number systems.

SOCIAL SCIENCE

WORLD HISTORY

1 credit

The object of this course is to give the student a general knowledge of the history of mankind, beginning with the **Renaissance Period** and continuing to the present. Emphasis will be placed on the development of Western Civilization in the areas of social, political, and Economic advancement through the centuries.

GEOGRAPHY

5 credit

Geography emphasizes the contemporary world in a geographic setting. The economic, political and social arrangement of the current world will be the main topics of the curriculum. Students will examine the current geographic aspects of Europe, Asia, Africa, the Pacific and Latin America. Current events will be strongly emphasized throughout the course.

GOVERNMENT (12)

5 credit

This course will concentrate on the U. S. Constitution and the functioning of the federal government. Units of study will include: political parties and elections, the legislative, the executive, and the judicial branches.

AMERICAN HISTORY

1 credit

The course is designed to cover 15th and 16th Century History as related to colonial America, through the Revolution, Civil War, Spanish American War, WWI, WWII, Vietnam, and war on terrorism and the Middle East including Bush's administration. It deals with Presidential elections, party formation, constitution, and democratic involvement in the world. It also deals in U.S. militarism, imperialism, and nationalism.

COMMUNICATION AND AUDIO/VISUAL TECHNOLOGY

FOUNDATIONS IN ART (30005 – .5 credit)

Foundations in Art is the introductory level class for all other LHS art classes. Students will study the basic fundamentals of drawing, painting, how to apply the elements and the principles of design, color theory and be introduced to the major periods of art history.

**Foundations in Art is recommended for incoming Freshmen.*

ART*ILLUSTRATION (30101 - 30101G00501114GGF .5 credit) Art Illustration & Art Graphic Design are typically taught together.

Principles of Illustration explores more advanced techniques in both traditional and digital drawing, and a variety of media and tools on flat artwork in the areas of painting, printmaking and mixed media. Art history and appreciation will be included specifically regarding artists and art periods related to our class art projects. An introduction to career and techniques used in both traditional and digital illustration and animation will also be covered.

ART*GRAPHIC DESIGN I (30102G0.501114GGF – .5 credit)

Graphic Design 1 explores both traditional fine art and graphic design fundamentals. The graphic design unit emphasizes the design of business art products such as logos, marketing materials, product designs and advertising and learning how to use the computer to create them. Graphic design courses teach students to use artistic techniques to effectively communicate ideas and information via illustration and other forms of digital or printed media. Topics covered may include concept design, layout, paste-up and techniques such as drawing and cartooning, painting, collage and computer graphics.

**Foundations in Art is recommended for incoming Freshmen.*

*** Upperclassmen will be grandfathered into this class, if not able to first complete Foundations in Art.*

ART AND GRAPHIC DESIGN 2 (05162 – 05162 G1.001115GGF 1.0 credit)

Art and Graphic Design 2 course teaches students to use artistic techniques to effectively communicate ideas and information to business and customer audiences via illustration and other forms of digital or printed media. This class continues advanced techniques in both fine art (drawing, painting, printmaking, mixed media, sculpture, etc.) as well as graphic design for business usage (brochure design, magazine layout, etc.) and builds on skills already learned in previous art pathway classes.

**Graphic Design 1 is required as a prerequisite before taking this class.*

(Recommended pathway classes before taking this course include: Foundations in Art, Illustration and Graphic Design 1, or Animation 1)

ADVANCED ART AND MEDIA TECHNOLOGY (10248 – 1.0 or .5 credit)

The Media Tech course will provide students with experience in graphic design using media technology. Projects will be created using several forms of technology including 1) digital design on the computer, 2) dye sublimation – fusing printed designs onto products such as phone cases, key chains, t-shirts, socks, etc. and 3) design and fabrication of products using a 3D printer. Recommended skills for enrolling are working knowledge of both Adobe Illustrator and Adobe Photoshop design software, as well as prior completion of other art pathway classes. **Graphic Design 1, Animation 1 or previous digital knowledge is required as a prerequisite before taking this class.*

(Recommended pathway classes before taking this course include: Foundations in Art, Illustration, Graphic Design 1 or Animation 1)

ANIMATION 1 (10210 – 10210.001114GGF – 1.0)

Animation is a course in which students express their visual creativity through drawing, storytelling, and other visual mediums. Throughout the course students will explore the history and evolution of animation.

Students will demonstrate creative self-expression as they learn basic drawing skills, techniques for original character design, the natural flow and movement of objects, and background development which includes an in depth study of perspective drawing and layout. Instruction will be given in the following areas: Elements of art and principles of design; perspective drawing and layout, historical and cultural development of animation, and computer art basics and applications.

*Foundations in Art is recommended for incoming Freshmen.

**Upperclassmen will be grandfathered into this class, if not able to first complete Foundations in Art.

Digital Applications I(30104) Digital Applications D (30105 1 credit)

Digital Media Technology teaches the technical skills needed to work with electronic media. Topics include exploring the use of digital imaging and video today and in the future, a study of the relationship of work flow to project planning and completion and the software, equipment and tools used in the industry. Photo Imaging teaches the technical skills need to produce quality images for use in a variety of applications. Topics include use of equipment, software and techniques to take, edit and manipulate digital images.

Audio Video Production I (30103 .5 credit) Broadcasting

Audio Video Production Fundamentals provides a basic understanding of producing video for a variety of uses. Topics include analyzing the pre-production, production and post-production process, as well as explore the equipment and techniques used to develop a quality audio video product.

Audio Video Production II (30150 1 credit)

Video Production applies the technical skills learned in Audio Video Production Fundamentals by allowing students to orchestrate projects from setting the objectives to the post-production evaluation.

21st Century Journalism (30100 .5 credit)

21st Century Journalism promotes the development of the skill set needed today and in the future. Topics include an exploration of the role media and the communications industry has in society, the development of the technical skills related to journalistic writing and interviewing, as well as understand the ethical and legal issues related to the field.

Digital Media Production (301511 credit) Yearbook

Digital Media Design and Production will provide students with the opportunity to apply the fundamental techniques learned in the Digital Media Technology course through the production of a multi-media project for public presentation. Topics include developing a production schedule, working as a team, utilizing composition principles, and embedding audio, video or other content in digital formats.

Digital Media Relations (43115 .5 credit) IHT

This course will build skills needed to communicate messages to the public as it relates to topics of concern. Topics will include conflict awareness, reliability of sources, creating publicity materials, public relations campaigns and working with media.

TEACHER AIDE

TEACHER AIDE (11-12)

1 credit

This program is open to juniors and seniors who may want to enter the educational field. The aide will get the opportunity to observe and help a primary, elementary, or secondary teacher. A maximum of 2 credits may be earned. To become an aide, the student must have at least a cumulative GPA of 2.75, good attendance and punctuality record.

Teacher Aide Coordinator will make the placement.

COLLEGE-LEVEL CLASSES

VIRTUAL CLASSROOM

Students interested in post-secondary instruction may choose from a variety of post-secondary on-line classes offered through Kansas colleges. Students will be responsible for all fees, books and enrollment, required by the post-secondary school. Supervision, proctoring, & some hardware will be provided through the Virtual Classroom. High school credit will be issued as Virtual class on the H.S. transcript. Grades will be based on cooperation, participation, time management and behavior. Because students are required to enroll in college classes to take Virtual Classroom, deadlines may be earlier than other classes. Typically, students must be enrolled in their college courses before the end of the prior semester.

***Details may change pending legislative action.**

DRIVER EDUCATION

DRIVER EDUCATION

Summer Program Only 1/4 credit - Driver's Education enrollment will be announced. Sign up will be in the school office.

This course fulfills the state requirement for 1/4 unit of credit. It consists of a minimum of 7 classroom instruction days and behind the wheel driving instruction. Emphasis will be placed in developing a good driver attitude. In the classroom, rules of the road, state regulations, and a defensive driving strategy will be developed. Emphasis will be placed in developing a good driver attitude. The steps in starting, moving and stopping the car plus other maneuvers will be taught in class. In order for a student to pass the class the student must score an 80% or better on classroom tests. The behind the wheel part of the class will put the student in the car to practice the knowledge acquired in class. Successful completion of the behind the wheel portion of the class is determined when students can consistently and correctly perform maneuvers without instructor prompt.

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does not discriminate
on the basis of sex, race, color, national origin, disability, or age
in admissions or access to, or treatment, or employment in,
its programs or activities.
Any questions regarding
the district's compliance with Title VI, Title IX, or Section 504
may be directed to the Title IX Coordinator and 504 Coordinator
who can be reached at
(620) 285-3185,
120 E. 6th
Larned, KS 67550