

Larned High School

Learning Today-Leading Tomorrow



Course Description Book
2023-2024

815 Corse Avenue
Larned, KS 67550
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 Credits of Social Science (1 World History, 1 American History, ½ Government and ½ Social Studies elective)

3 Credits of Mathematics

3 Credits of Science (1 credit of Laboratory Science)

1 Credit of Consumer and Personal Finance

.5 Credit of Health

.5 Credit of Physical Education

1 Credit of Fine Arts

10 ½ 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,

Dustin Wilson
Principal

Qualified Admissions - Pre- College Curriculum

Students graduating from an accredited Kansas high school, under the age of 21 will be best prepared to enter college level courses if they complete the following:

- Achieve ONE of the following:
 - ACT score of 21 or higher; OR
 - SAT score of 980 or higher; OR
 - Graduate in the top ⅓ of their class; AND
- Achieve a 2.0 GPA or higher on any college credit taken in high school.

English- 4 approved units of English

Natural Science- 3 Approved units of science.

- Physical Science
- Biology
- Chemistry
- Advanced Chemistry
- Human Anatomy and Physiology
- Physics

Math- 3 approved units of math

- Algebra
- Geometry
- Advanced Algebra
- Any course with Algebra II as a prerequisite (Functions, College Algebra, Statistics)

Social Studies- 3 approved units

- American History (1 credit)
- World History (1 credit)
- U.S. Government (½ credit)
- World Geography (½ credit)
- Current Events (½ credit)

Consumer and Personal Finance - ½ credit

Physical Education - ½ credit

Health - ½ credit

Fine Art - 1 credit

Electives - 10.5 approved units

REGENTS RECOMMENDED CURRICULUM SCHOLARSHIP PROGRAM

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

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

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

Social Studies- 3 units

Foreign Language- 2 units. 2 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 GPA of at least 2.0 (on a 4.0 scale) in the core curriculum of at least 16 academic courses which were successfully completed during graded 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 a 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 (.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.

Entrepreneurship (.5 credit)

Acquaints students with the knowledge and skills necessary to own and operate their own businesses or the ability to use the entrepreneurial mindset in an existing organization. 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.

Business Management (.5 credit)

Acquaints 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.

Accounting (1 credit)

Introduces and expands 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 (.5 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. **STUDENTS MUST HAVE THEIR OWN TRANSPORTATION.** A maximum of 2 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.**

Jobs For America's Graduates "JAG" (.5 credit)

JAG-K is an in-school, elective class that is taught by a trained JAG-K Career Specialist. This Career Specialist provides individual and group instruction to students in the classroom using the competency-based JAG National Curriculum. The Career Specialist teaches JAG-K students employability skills, career and leadership development skills and helps with academic remediation. Additionally, JAG-K students complete at least 10 hours of community service each year.

FACS

Career and Life Planning (.5 credit)

A self-management course that introduces students to the skills and strategies helpful in becoming more focused, productive individuals. This course emphasizes goal-setting; decision-making; managing time, energy, and stress; and identifying alternatives and coping strategies. The course will also allow students to explore various career and lifestyle choices, including post-secondary and college options. Course activities depend upon the careers being explored.

Human Growth and Development (.5 credits)

Human Growth and Development provides 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 school age. Course content will provide an overview of life stages, with a strong tie to prenatal and birth processes; fundamentals of children's emotional, social, intellectual, and physical development; and the appropriate care of children.

Family Studies (.5 credits)

The Family Studies course explores the roles and responsibilities of parents 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. Parenting and behavior guidance skills are strengthened through a study of positive family relationships, child abuse and neglect, safety, and health practices. 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.

Culinary Essentials (.5 credit)

These courses provide students with knowledge and skills related to sanitation and safety procedures, nutrition and dietary guidelines, food preparation (and quantity food production) and meal planning and presentation. It may also include skills related to institutional and commercial food service, management and customer service.

Nutrition and Wellness (.5 credit)

This course will examine components of interpersonal and intrapersonal well-being. Students will prepare for careers related to nutrition and wellness concepts by taking an in-depth look at various types of diets, nutrition information, and disease prevention to identify and apply healthy practices for a lifetime of wellness. Additionally, students will explore a variety of physical activities.

Leadership Services (.5 credit)

Leadership Service in Action empowers individuals to assume advocacy roles which support families, communities and consumers by researching social issues, developing and implementing an action plan, and applying decision making through civic engagement and service learning.

FINE ARTS

Choir (.5 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 non-scheduled performance may be added with at least 2 week's notice. Grades are based on participation in the classroom activities, cooperation, attitude, and effort, as well as the 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.

Band (.5 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 the band will also perform as a pep band at home basketball games and will attend tournaments as scheduled. The Symphonic Concert Band will perform in 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 festivals, 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 the beginning band and have successful completion of the prior semester. If a student is interested in joining without consecutive semesters they must audition for the instructor.

Music Appreciation (.5 credit)

This course will include a history of music, group discussions, daily listening exercises, student research, introduction to basic music theory, simple song creation, oral and written presentations and a few formal student debates to provide opportunity for promotion and defense of various genres and musicians. Weekly discussion and review of current music news will be included as newsworthy items arise.

Art Illustration (.5 credit)

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 period related to our class art projects. An introduction to career and techniques used in both traditional and digital illustrations will also be covered.

Art Graphic Design I (.5 credit)

Art Graphic Design 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 design 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, and computer graphics.

Art and Graphic Design II (1 credit)

Art and Graphic Design II continues advanced techniques in both fine art (drawing, painting, printmaking, mixed media, sculptures, etc.) as well as graphic design and builds on skills already learned in previous art pathway classes. This class 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. **Prerequisite: Graphic Design I**

Advanced Art and Media Technology (1 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) vinyl cutter/heat press, 3) dye sublimation, fusing printed designs onto products, and using a 3D printer. Recommended skills for enrolling are working knowledge on both Adobe Illustrator and Adobe Photoshop design software, as well as prior completion of other art pathway classes. This course promotes advanced techniques in all traditional areas of fine art with some self-directed, student choice projects.

Prerequisites: Graphic Design I, Animation I or previous digital knowledge is required.

Recommended pathway classes before taking this course include: Illustration, Graphic Design I or Animation I, Graphic Design II.

Advanced Art and Computer Graphics (1 credit)

This course promotes advanced techniques in all traditional areas of two dimensional (2D) fine art with some self-directed, student choice projects. Photo imaging will also be explored and include use of equipment, software and techniques to take, edit and manipulate digital images. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video and architecture.

Prerequisites: Graphic Design I and II or Animation I and II

Recommended pathway classes before taking this course include: Illustration, Graphic Design I, and Graphic Design II or Animation I.

Animation I (1 credit)

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 animation; perspective drawing and layout, historical and cultural development of animation, and computer art basics and applications.

FOREIGN LANGUAGES

Spanish I (1 credit)

Spanish I focuses on the basic foundations of Spanish. The course will include reading, Writing, Speaking and listening to Spanish. Students will also learn about Spanish speaking countries and culture.

Spanish II (1 credit)

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

Spanish III (1 credit or .5 credit)

Spanish III is a continuation of Spanish II. This course places 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.

INDUSTRIAL ARTS

Woodworking Principals (1 credit) (Formerly Cabinet Making I)

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 hard work. Projects for this course are assigned by the instructor. Projects include, end grain cutting boards, wall shelves, and small boxes. Shop fees 80 dollars to cover materials.

Students who have not completed their OSHA certification will complete OSHA 10 in this course. Students who have not completed the CORE certification through NCCER will complete the certification in this course.

This Course will be provided for Duel Credit for CRFT 1001 through Barton for students who have not completed NCCER core and are sophomores, Jr. or Sr. Students will complete the Woodworking certification through NCCER during this course. .

Furniture and Cabinetry Fabrication (1 Credit) (Formerly Cabinet Making II)

An advanced level application course designed to provide students with experience in constructing cases, cabinets, counters, furniture and interior woodwork. Students will create projects using more advanced joinery. Projects will be assigned by the instructor as well as chosen by the students. Students will need to budget to cover material cost.

Students will complete the Woodworking certification through NCCER during this course if they have not completed.

Carpentry I (1 Credit) (Formerly Residential Carpentry I)

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. In this class students will be constructing a dog house.

Students who have not completed their OSHA certification will complete OSHA 10 in this course. Students who have not completed the CORE certification through NCCER will complete the certification in this course. This Course will be provided for Duel Credit for CRFT 1001 (NCCER Core) first semester and CRPT 1001 (Carpentry Basics) second semester through Barton for students who have not completed NCCER core and are sophomores, Jr. or Sr.

Carpentry II (1 Credit) (Formerly Residential Carpentry II)

In this course we will continue to build upon the Carpentry 1 Class. Students will install windows and doors, lay up rafters and walls. Projects will be assigned by the instructor. Students enrolled in the course will be provided Duel Credit for CRPT 1010 Floors, walls and Ceiling Framing and CRPT 1020 Roof Framing through Barton Community College.

Advanced Materials Technology (1 Credit) (Equivalent to Woods and Carpentry III)

Students will choose their own projects and their own interest areas to pursue in the construction or cabinetry areas. Students must be self starters and be able to show self management skills.

Students will have the opportunity to complete there Carpentry certification through Barton during this class by completing any class they have not duel credited in the past as well as completing CRPT 1030 Windows, Doors, and Stairs.

Comprehensive Workplace Experience in Architecture and Construction (1 credit or .5 credit) (Equivalent to Woods IV or Carpentry IV)

Students will be assigned to various architectural and construction internships in the local area to gain a broader understanding of architectural and construction issues.

CAD (1 credit)

This course will train students in the AutoCAD program.

This class will be offered for Dual Credit through Hutchinson Community college. First semester will be Dual Credit DR100, second semester will be DR211. Students must be a Sophomore, Jr, or Sr. to enroll in the course for Dual Credit.

AGRICULTURE

Ag Mechanics (1 credit)

An introductory level course 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.

Advanced Ag Mechanics (Formerly Ag Mechanics II) (1 Credit)

A technical level course 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.

Advanced Ag Power (Formerly Ag Mechanics III) (1 Credit)

An application level course 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.

Ag Welding (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.

Ag Welding II (1 Credit)

A comprehensive course designed to provide students with knowledge and skills in project construction and management. This course will emphasize shop safety, equipment setup and maintenance and how to build projects.

Ag Fabrication (Formerly Ag Welding III) (1 Credit)

A comprehensive course designed to provide students with knowledge and skills in fabrication and repair. This course will emphasize shop safety, equipment setup and maintenance and how to perform fabrication and repair of projects.

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, 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 and advanced grammar. The six- trait writing skills will be developed when writing MLA essays. Students will read multiple genres with selections featuring a diversity of authors from different countries.

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, totaling approximately 4,000 words (16 pages). They will read extensively in multiple genres, focusing specifically on American literature.

English IV (1 credit)

Students will read both British and World literature, and continue to develop strong writing practices. Professional writings such as resumes, cover letters, scholarship application responses, email correspondences, and audience appropriate texts will be written along with some traditional essays throughout the semester, totaling approximately 3,000 words (12 pages).

College Composition and Literature or English 12 (1 credit)

3 BCC credits possible for Composition I

3 BCC credits possible for Introduction to Literature- students will read extensively in multiple literary genres, focusing specifically on British and World Literature. They will polish their writing and rhetoric and refine their work using a Six-trait approach to composition, developing independent research techniques as they implement MLA formatting throughout essays and Works Cited pages. Emphasis will be placed on attributive tags and internal citations.

Students will complete multiple compositions, totaling approximately 5,000 words (20 pages). Finally, Students will also complete some independent novel reading to be assessed with classroom quizzes and tests.

Debate (.5 credit)

Debate is a course open to all students. This class is designed to improve interpersonal and collaborative skills. 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 in this class will include real numbers, variables, solving equations, proportion and %, inequalities, basic concepts of geometry and data analysis.

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, and quadratic equations, as well as factoring polynomials. Attention is given to application of algebraic principles of solving problems.

Prerequisite: Incoming freshmen must have a "B" or better in their 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.

Prerequisites: Incoming freshman 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 and symmetric, 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

Statistics (1 credit)

This course provides an introduction to statistics and statistical analysis. We will apply different statistical measures across many different settings as well as learn how to set up, read, and manipulate data given. An in-depth look at Sequences and Series is also used in statistical analysis. This course can be taken for college credit through Barton County College.

Prerequisites: Functions

College Algebra (1 credit)

College Algebra is a study of polynomial, rational, exponential, and logarithmic functions and their graphs; complex numbers, systems of equations and inequalities, and an introduction to matrices and determinants. Additional topics may include conic sections, partial fractions, sequence and series, discrete mathematics, probability, and the binomial theorem. This class can be taken as a dual credit course. It is weighted at one high school credit for mathematics. If taken as a dual credit course, it is also weighted as a 3 credit college course through Barton County Community College.

Prerequisite: Advanced Algebra

PHYSICAL EDUCATION

PE I and Health (.5 credit each)

This course will help students to maintain a state of physical fitness and see the value 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.

PE II (.5 Credit)

This course will help students to maintain a state of physical fitness and see the value of exercise and activities throughout life. This class will build on the skills taught in PE 1 for activities such as volleyball, football, softball, basketball, badminton, table tennis, and soccer. The class is offered in 90 minute time increments or 45 minute time increments. Students will earn one full credit if they are enrolled in the 90 minute class and a ½ credit if they are in the 45 minute class.

Prerequisite: PE 1

Weight Training (.5 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, agility, speed development, plyometric training, and weight training. This is an excellent class for student athletes who wish to improve athletic performance.

SCIENCE

Biology (1 credit)

Biology I provides a 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)

A and P 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 structure, functions, and regulation of the 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.

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 students with basic equipment and techniques used in science.

Prerequisite: Algebra

Advanced Chemistry (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 expression, properties of gases and solutions, descriptions of acidity and basicity, chemical equilibria, and the chemistry of oxidation and reduction processes.

Physics (1 credit)

Physics is a course that investigates the relationship between heat, light, sound, mechanics, electricity, and atoms. Applications to everyday living are made whenever possible. Laboratory work is intended to familiarize the student 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

Physical Science (1 credit)

Physical Science is a course that investigates the fundamentals of Physics, Chemistry, Astronomy, and Earth Science. Math skills will be called upon as force, motion, and energy are investigated. The properties of matter, atomic structure, and chemical reactions allow the student to acquire an understanding of the world around them at a microscopic level. Electricity, magnetism, and waves will be discussed as the student learns how these are formed and the features that characterize them. The class also incorporates topics concerning the physical processes on earth, and the motion, characteristics, and forces in space.

Interactive Media (.5 credit) (formerly known as Coding)

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 varieties 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.

World Geography (.5 credit)

World 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, and Pacific and Latin America. Current events will be strongly emphasized throughout the course.

Current Events (.5 credit)

A class that analyzes the news going on at the international, national, state, and local levels.

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 War, WWI, WWII, Vietnam, and war or 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.

U.S. Government (.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.

COMMUNICATION AND AUDIO/VISUAL TECHNOLOGY

Audio/Video Production I (.5 Credit)

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

Audio/Video Production II (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.

Digital Media Project Management (Yearbook I) (.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 understanding the ethical and legal issues related to the field. Students will learn the basic skills to create the school yearbook. Topics may include photography, layout and page design, interviewing, caption writing, data collection, feature stories, and headline creation.

Photo Imaging (Yearbook II) (.5 credit)

Photo Imaging teaches the technical skills needed 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. Students will build upon the basic skills learned in 21st Century Journalism to create the school yearbook. Topics may include photography, layout and page design, interviewing, caption writing, data collection, feature stories, and headline creation.

Digital Media Technology (Yearbook III) (.5 Credit)

Digital Media Technology teaches the technical skills needed to work with electronic media. Topics include exploring the use of digital media and video today and in the future, a study of the relationship of workflow to project planning and completion and the software, equipment and tools used in the industry. This is for students that hope to take a greater leadership role on the yearbook (editor, business manager, etc.). Editors will take a larger role in theme selection, page layout and creation, decision-making, and developing teamwork amongst their fellow students. In addition, students will take a greater role in sales decisions and marketing.

Media and Public Relations (Yearbook IV) (.5 Credit)

This course will build skills needed to communicate messages to the public through advertising and public relations activities. Topics will include conflict awareness, reliability of sources, creating publicity materials, advertising and public relations campaigns and working with the media on behalf of clients This is for students that hope to take a greater leadership role on the yearbook (editor, business manager, etc.). Editors will take a larger role in theme selection, page layout and creation, decision-making, and developing teamwork amongst their fellow students. In addition, students will take a greater role in sales decisions and marketing.

21st Century Journalism (.5 credit)

Students enrolled in 21st Century Journalism will help run *The Tribe Times* student newspaper. Our mission is to write stories and articles which celebrate student and faculty successes, while also searching for areas of improvement across our district. Join 21st Century Journalism and be the voice of Larned High School.

TEACHER AIDE

Teacher Aide (Juniors and Seniors only) (1 credit or .5 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 the 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.

The 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, and 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 (.25 credit)

Summer program only Driver:ds Education enrollment will be announced. Sign up will be in the school office

This course fulfills the state requirement for ¼ 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 on 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 portion 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.

An Equal Employment/ Educational Opportunity Agency,
Fort Larned Unified School District #495
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 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

