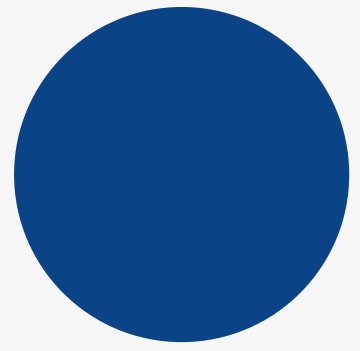
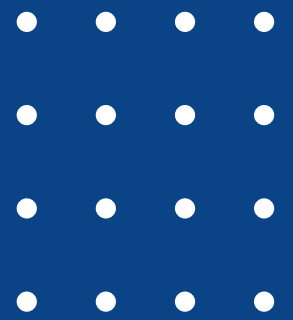


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Leavenworth
Pioneers



Junior
Options

Suggested Advanced Sequence

College-bound students and student athletes wanting to meet NCAA eligibility should consider taking four years of English, Social Studies, Science, and Math, as well as two years of a world language.

English

- Freshman Honors English (9th)
- Sophomore Honors English (10th)
- AP Language & Composition (11th)
- AP Literature & Composition or English Composition I/II (12th)

History

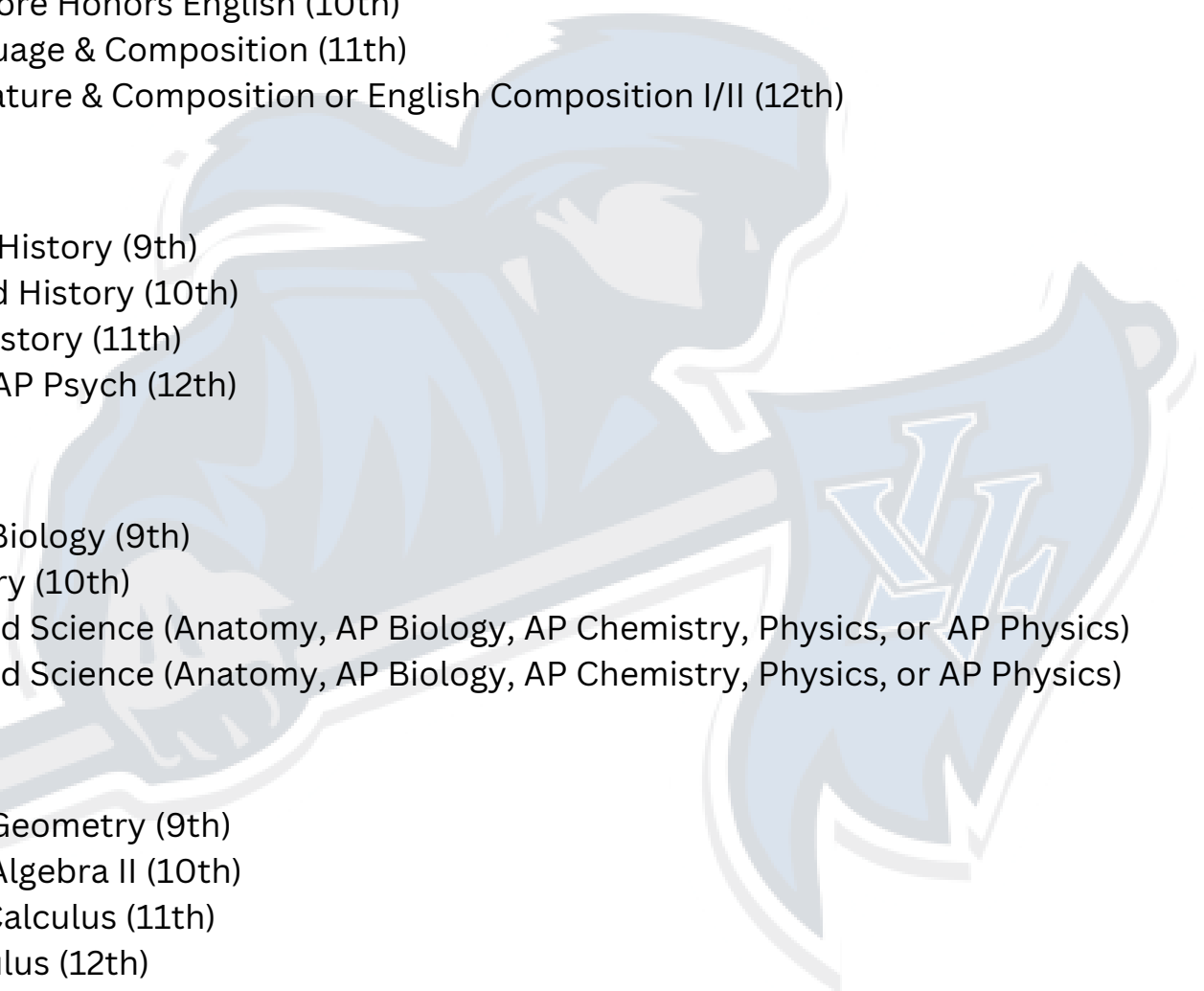
- AP Euro History (9th)
- AP World History (10th)
- AP US History (11th)
- AP Gov/AP Psych (12th)

Science

- Honors Biology (9th)
- Chemistry (10th)
- Advanced Science (Anatomy, AP Biology, AP Chemistry, Physics, or AP Physics)
- Advanced Science (Anatomy, AP Biology, AP Chemistry, Physics, or AP Physics)

Math

- Honors Geometry (9th)
- Honors Algebra II (10th)
- AP Pre-Calculus (11th)
- AP Calculus (12th)



Junior Options

Required Courses

English

- **Junior English [EN360](#)**
 - In this year-long course, students will study American literature. They will become familiar with authors, themes, and specific works of American literature. Students will write essays, create research projects, and use the six trait model to evaluate and improve their writing in multiple genres. Students will conduct oral presentations, participate in group work, and use analytical thinking skills. Students must pass both semesters of Junior English in order to graduate.
- **Creative Writing [EN370](#)**
 - Students will read writing samples of classical and contemporary literature and poetry, and will study literary devices used by a variety of authors. Emphasis will be on the writing process, especially in the following areas of creative writing: short story, poetry, children's literature and drama. Students will research different aspects of writing, including genre, manuscript form, and publishing. Students will also research and study different authors. Students will publish the school's literary magazine, Graffiti.
- **AP English Language & Composition [EN505](#)**
 - **Prerequisite: B or better in previous English classes or instructor consent**
 - This course is open to any Junior who desires a literary/linguistic challenge. The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. Students enrolling in this course are strongly encouraged to take the Advanced Placement Language and Composition exam which provides the opportunity to earn college credit. Students must pass both semesters of Junior English in order to graduate.

Mathematics

- **Geometry [MA235](#)**
 - **Prerequisite: Algebra I**
 - In this course, students develop inductive and deductive reasoning skills. The goal of this course is to extend and formalize students' geometric experiences by exploring more complex geometric situations and to improve their explanations of geometric relationships, moving toward formal mathematical arguments. Critical areas include geometric vocabulary, transformations, triangle congruence, similarity, and geometric relationships such as right triangle trigonometry; properties of special triangles and quadrilaterals; and theorems involving circles, segments, and angles.
- **Honors Geometry [MA240](#)**
 - **Prerequisite: B or better in Algebra I**
 - This course covers the topics in the Geometry course in greater depth, and adds 3-D views and cross-sections of solids, geometric probability, and coordinates in 3-D. Emphasis is given to theory underlying mathematical concepts and more challenging problems are included. The course is designed for students who possess a high interest in mathematics and plan to enroll in advanced mathematics courses. We are developing the skills needed to be successful in AP or college mathematics courses, so students can expect homework assignments to require work outside of class time after every class.
- **Consumer Mathematics [MA303](#)**
 - **Prerequisite: Geometry**
 - This course is designed to improve the math skills needed to be an effective and efficient consumer in today's society. Topics will include the mathematics of personal income, buying a car and related expenses, purchasing various types of insurance, housing, unit pricing, discounts and mark-ups, banking, budgeting, investments, and taxes.
- **Algebra II [MA345](#)**
 - **Prerequisite: Geometry**
 - This course extends geometric and algebraic concepts, and introduces topics in probability and statistics. Topics such as polynomial, quadratic and exponential functions and their application, second-degree equations and systems, and matrices are also presented. Objectives from the Kansas Assessment Test will be targeted. Homework assignments require work outside of class time.
- **Honors Algebra II [MA355](#)**
 - **Prerequisite: B or better in Hon Geometry or A in Geometry**
 - This course covers the topics in the Algebra II course in greater depth and explores some topics of trigonometry. Emphasis is given to theory underlying the mathematical concepts and more challenging problems are included. This course is designed for students who possess a high interest in mathematics who plan to enroll in advanced mathematics courses during subsequent high school years. We are developing the skills needed to be successful in AP or college mathematics courses, so students can expect homework assignments to require work outside of class time after every class.

Junior Options

- **College Algebra** [MA401](#)

- **Prerequisite:** C or better in Hon Algebra II -OR- Algebra II and Teacher Recommendation
- College Algebra includes analysis and graphing of functions, including constant, linear, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; and solving equations and inequalities, including polynomial equations, exponential equations, logarithmic equations, and systems of linear equations and inequalities. Students will be expected to use appropriate technology as one tool to achieve competency in College Algebra. **Students may earn college credit through KCKCC if they meet the admission requirements. Fees will be paid to the college for three hours of credit in College Algebra in the spring.**

- **AP Precalculus** [MA436](#)

- **Prerequisite:** C or better in Hon Algebra II -OR- Algebra II and Teacher Recommendation
- **MODELING REAL-WORLD DATA** Students will apply the mathematical tools they acquire in real-world modeling situations. By examining scenarios, conditions, and data sets and determining and validating an appropriate function model, they gain a deeper understanding of the nature and behavior of each function type. **EXPLORING MULTIPLE REPRESENTATIONS** Students will examine functions through multiple representations. They will gain a deeper understanding of functions by examining them graphically, numerically, verbally, and analytically. **MASTERING SYMBOLIC MANIPULATION** Students will develop rigorous symbolic manipulation skills needed for future mathematics courses. They learn that a single mathematical object can have different analytical representations depending on the function type or coordinate system, and that the different analytical representations reveal different attributes of the mathematical object. **HARNESSING A DYNAMIC WORLD** Students will engage in function building that reflects not a static view of things but one that embodies how things change. Every function representation characterizes the way in which values of one variable simultaneously change as the values in another variable change. This understanding of functions and their graphs as embodying dynamic covariation of quantities prepares students to tame an ever-changing world.

- **AP Calculus AB** [MA505](#)

- **Prerequisite:** AP Precalculus
- This course is designed to develop the student's understanding of the concepts of calculus and provides experience with its methods and applications. The courses emphasize a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Students completing this course will study the conceptual foundation of limit, slope of a tangent line, and rate of change; derivatives of algebraic, trigonometric, exponential and logarithmic, and inverse functions; maximum and minimum values; definite and indefinite integrals; applications of integration to determine areas between curves and volumes of solids, solving separable differential equations. Students will be prepared to take the Advanced Placement Calculus AB Exam given during the spring semester.

- **AP Statistics** [MA515](#)

- **Prerequisite:** B or better in Hon Algebra II or C or better in AP Precalculus
- The AP Statistics course is a non-calculus based introduction to statistics, which exposes students to four broad conceptual themes:
 1. Exploring Data: Describing patterns and departures from patterns
 2. Sampling and Experimentation: Planning and conducting a study
 3. Anticipating Patterns: Exploring random phenomena using probability and simulation
 4. Statistical Inference: Estimating population parameters and testing hypotheses
- Group projects will provide an opportunity to apply the statistical techniques studied. An interdisciplinary approach will be cultivated as students apply statistical models to other disciplines, while learning to effectively communicate with appropriate statistical language through both oral and written expression. Students will be prepared to take the Advanced Placement Statistics Exam given during the spring semester.

Junior Options

Science

- **Integrated Science-Natural Disasters /Meteorology SC306**
 - Prerequisite: Biology or Hon Biology -AND- 1 semester of Int Sci-Chem or Int Sci-Physics
 - This course will explore the science of and relationship between Meteorology and Natural Disasters. Students will learn the scientific concepts of Meteorology, such as the physical state of the atmosphere, heat, pressure, wind, clouds and precipitation. Students will then look at how meteorology is directly tied to specific types of natural disasters, such as earthquakes, volcanoes, landslides, avalanches, floods, wildfires, blizzards, ice storms, hurricanes, tsunamis, and tornadoes. Students will assess the underlying cause and the general effects of each disaster, as well as locations in the U.S. and around the world where each type of disaster is most likely to strike.
- **Chemistry SC321**
 - Prerequisite: Biology or Hon Biology -AND- Algebra I with a C or better; currently enrolled in Geometry, Hon Geometry or better-level math
 - This is a one year course in chemistry. Students who successfully complete this course will have an adequate background to enroll in a college level chemistry course. Labs are used to enhance the student's understanding of the content of the course. (Satisfies the physical science requirement.)
- **Comparative Anatomy & Morphology SC401**
 - Prerequisite: C or better in Biology or Hon Biology and Chemistry
 - This is a college preparatory course designed to give the student a greater understanding of anatomy, physiology, and dissection skills as they relate to the field of life science. This course consists of the study of the biological concepts of the cat, chicken, pig, and human anatomy and morphological development. The student is required to do hands-on dissections.
- **Forensic Science SC405**
 - Prerequisite: C or better in Biology or Hon Biology and Chemistry or Int Sci-Chem & Int Sci-Physics
 - Forensic Science focuses on the skills and concepts behind physical aspects of crime scene investigation and forensic science. Whether students desire to be a crime scene investigator, forensic pathologist, or some other medical scientist, this course will help them hone their investigative skills and review a wide range of science concepts. Students will review physics, chemistry, anatomy, biology, environmental science and computer science in the process of learning about forensic science.
- **Physics SC411**
 - Prerequisite: Chemistry and C or better in Geometry or Hon Geometry; currently enrolled in Algebra II or Hon Alg II
 - This is a one year course in Physics. Students who successfully complete this course will have enhanced problem-solving skills typical of those needed to begin a college freshman level Physics course. Students will also have an understanding of the application of trigonometry to physics and will increase their facility at research and reporting.
- **AP Biology SC501**
 - Prerequisite: C or better in Biology or Hon Biology and Chemistry
 - This course is designed as a college preparatory course. It is also designed for able and motivated students who would like to pursue college level biological studies while still at the high school level. This course will consist of study in four general areas: molecules and cells, genetics and evolution, organisms and population, anatomy and physiology. Dissections, biochemical investigations, and microscope use are a major part of instruction. The textbook used will be a college level text. The student will be required to do independent readings outside the text assignment. Use of the scientific method of problem solving will be emphasized. Students enrolling in this course are strongly encouraged to take the Advanced Placement Biology exam which provides the opportunity to earn college credit.
- **AP Chemistry SC511**
 - Prerequisite: B or better in Chemistry
 - This is a one year course beyond regular chemistry. Students who successfully complete the course will have covered topics typical of those covered in a college level freshman chemistry course. Considerable out of class preparation is required. Labs are used to enhance the student's understanding of the content of the course. The national AP Central website strongly suggests that to be successful, students should study a minimum of five hours outside of class per week. Students enrolling in this course are strongly encouraged to take the Advanced Placement Chemistry exam which provides the opportunity to earn college credit.
- **Principles of Biomedical Science SC205**
 - Prerequisite: Biology or Hon Biology
 - Principles of Biomedical Science (PBS) is a full-year high school course in the PLTW Biomedical Science Program. This course serves to provide foundational knowledge and skills in fields such as biology, anatomy & physiology, genetics, microbiology, and epidemiology as well as engage students in how this content can be applied to real world situations, cases, and problems. Through both individual and collaborative team activities, projects, and problems, students will tackle real-world challenges faced by biomedical professionals in the field. They will work with the same tools and equipment used in hospitals and labs as they engage in relevant hands-on work. Students will develop skill in technical documentation to represent and communicate experimental findings and solutions to problems. In addition, students will explore how connections to other disciplines such as computer science and engineering shape the future of medicine and practice collaboration techniques that will help them connect with professionals across any field.

Junior Options

Social Studies

One of the following courses must be taken in either 10th or 11th grade:

- **United States History [SS305](#)**
 - This course engages students in the active study of political, economic, and social forces behind the development of the United States. Twentieth century American history will be a major emphasis of the course. A variety of instructional methods will be employed such as lectures, discussions, small group work, simulations and research projects.
- **AP US History [SS525](#)**
 - **Prerequisite: B or better in AP World History or instructor consent**
 - **Four years of advanced social studies courses recommended if student is college-bound**
 - The AP program in United States History is designed to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. Students will be prepared to take the Advanced Placement US History exam given during the spring semester. **Students may earn college credit through KCKCC if they meet the admission requirements. Fees will be paid to the college for three hours of credit in United States to 1877 in the fall and three hours of credit in United States since 1877 in the spring.**

One of the following courses must be taken in either 11th or 12th grade:

- **United States Government (semester) [SS405](#)**
 - **Prerequisite: US History or AP US Hist**
 - This course uses the study of American government to develop critical thinking and responsible citizenship. It begins with a strong focus on the U.S. Constitution and continues with an examination of the Congressional, the Executive, and the Judicial Branches of the federal government. This course includes individual and group work.
- **United States Law (semester) [SS415](#)**
 - **Prerequisite: US History or AP US History**
 - This course uses the study of law to develop critical thinking and responsible citizenship with a significant amount of independent reading and study. Additionally, the course requires individual and group work, out of class research, analysis and oral presentations. The course opens with a strong focus on the U.S. Constitution and continues with an examination of the law making process/enforcement/adjudication process through the Congressional, the Executive, and the Judicial Branches of the federal government. The balance of the course involves a closer look at criminal law, civil law, and court procedures. Several mock trials are highlights of the course.
- **AP United States Government & Politics [SS534](#)**
 - **Prerequisite: B or better in US History or AP US History**
 - **Four years of advanced social studies courses recommended if student is college-bound**
 - This course explores the political theory and everyday practice that direct the daily operation of our government and shape our public policies. The express purpose of this course is to prepare students to take the AP Exam for US Government and Politics. The course is for all intents and purposes taught on a college level and it requires a substantial amount of reading and preparation for every class. The objectives of this course go beyond a basic analysis of how our government “works.” Students will develop a critical understanding of the strengths and weaknesses of the American political system, as well as their rights and responsibilities as citizens. Students will be prepared to take the Advanced Placement US Government & Politics exam given during the spring semester. Summer reading may be required and, if so, will be posted on the LHS website under the Student>Summer Assignments tab. Students enrolling in this course are strongly encouraged to take the Advanced Placement US Government & Politics exam which provides the opportunity to earn college credit.

Social Studies Elective

- **Sociology (semester) [SS435](#)**
 - Sociology is the scientific study of human interaction in groups - how people relate to one another and influence each other’s behavior. The goal is to understand social situations and look for repeating patterns in society. Students will be challenged to develop a sociological perspective so that they might see the world as it really is and not like they assume it to be. Topics covered will be the major social institutions (family, education, economy, government, religion) as well as important concepts including socialization, culture, adolescence, deviance, and social change. Important social problems such as discrimination, poverty, and crime will be studied.
- **Psychology (semester) [SS445](#)**
 - This course is designed to introduce students to the scientific study of behavior and thinking. Emphasis will be placed on those areas of daily living where we knowingly, and unknowingly, use and are affected by the principles of psychology. The course will cover basic learning theories and methods of behavior modification; how we are physically equipped to perceive our environment; the ways people adjust to their society; and study of the definitions, identification, and treatment of various types of mental illness. Students will be given opportunities to research topics from various areas of psychology.

Junior Options

- **AP Psychology** [SS533](#)

- Prerequisite: A or B student overall or instructor consent
- Following the College Board's suggested curriculum designed to parallel a college-level psychology course, AP Psychology courses introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, expose students to each major subfield within psychology, and enable students to examine the methods that psychologists use in their science and practice. No summer reading is required. Students enrolling in this course are strongly encouraged to take the Advanced Placement Psychology exam which provides the opportunity to earn college credit.

- **AP European History** [SS505](#)

- Prerequisite: "A" student overall or AP instructor consent
- Four years of advanced social studies courses recommended if student is college-bound; recommend taking prior to AP World History
- This course studies the significant social, economic, and political movements and events in Europe during the period 1200-1990. Students will study the dynamics of continuity and change, the links between the past and the present, the importance of historical literacy, and the use of history as a form of critical thinking. Advanced Placement classes are college-level courses, which prepares students to take the AP exam in the spring. Students enrolling in this course are strongly encouraged to take the Advanced Placement European History exam which provides the opportunity to earn college credit.

Electives

****You have room for two year-long electives. If you choose to take semester classes, you must choose two semester classes to fill one year-long spot.**

*****Scholastic Eligibility: To participate in a LHS activity (band, choir, debate, or forensics), team or group, each participant must have satisfied all the scholastic eligibility requirements prior to participation. KSHSAA requires that all students have passed at least five new subjects (those not previously passed the last semester.) They also must be enrolled in at least five new subjects (those not previously passed) or unit weight this coming semester. Office helpers and teacher helpers are not credit courses.**

Physical Education

- **Lifetime Fitness & Wellness (semester)** [PE201](#)

- This course is designed for students who would like to learn how to stay fit after high school. Students will learn the importance of staying active and how to avoid a sedentary lifestyle because obesity is an American epidemic. Activities will include: aerobics, weight lifting, short and long-distance running, cardiovascular equipment, strength bands, exercise balls, core strength, upper and lower body strength, circuit training, etc.

- **Walking for Fitness (semester)** [PE203](#)

- Walking for Fitness is designed to stress the importance of cardiovascular, muscular, and mental fitness development for maintaining a healthy lifestyle which will include the State and National components of fitness. The course is appropriate for students of varying fitness abilities and to acquire the knowledge, skills, and attitudes necessary for physical fitness through participation in a carefully monitored walking program. A variety of instructional information and teaching strategies adaptable for classroom use is also provided. Course assignments encourage participants to integrate specific national standards and state standards for physical education. Objectives for each lesson are modeled around standards-based learning as identified by the Kansas State Department of Education. Personal fitness and nutrition assessments will guide students to design programs to meet their individual fitness goals.

- **Racket & Individual Sports (semester)** [PE211](#)

- Racquet and Individual Sports will target students who prefer individual sports to team sports. Activities may include lifelong sports, such as badminton, tennis, golf/ Frisbee Golf, archery, pickleball, horseshoes, orienteering, bowling, and ping pong.

- **Team Sports (semester)** [PE221](#)

- Team Sports is offered for those students who enjoy participating on a team. This class focuses on teamwork, strategy, problem solving, rules of the game, and etiquette. Activities may include volleyball, basketball, softball, flag football, soccer, team handball, speedball, Ultimate Frisbee, and hockey.

- **Sports Conditioning (semester)** [PE241](#)

- Prerequisite: Life Fit & Well -OR- participation in a sport, cheerleading, JROTC Raiders, or powerlifting team
- This course emphasizes aspects of fitness that relate to improving athletic performance for highly motivated students. Improvement in speed, power, and strength will be a priority. Use of free weights and explosive Olympic-style lifting will be employed. Reducing the risk of athletic injury will also be emphasized. Participation in after-school workouts (for out-of-season students) will be expected.

- **Advanced Sports Conditioning (semester)** [PE245](#)

- Prerequisite: Sports Conditioning
- Advanced Sports Conditioning is designed to continue the strength and athletic development of our junior and senior varsity athletes. This course emphasizes aspects of fitness that relate to improving athletic performance for highly motivated students. Improvement in speed, power, and strength will be a priority. Use of free weights and explosive Olympic style lifting will be employed. Reducing the risk of athletic injury will also be emphasized. Participation in after school workouts (for out of season students) will be expected.

Junior Options

Electives

****If you choose to take semester classes, you must choose two semester classes to fill one year-long spot.**

*****Scholastic Eligibility: To participate in a LHS activity (band, choir, debate, or forensics), team or group, each participant must have satisfied all the scholastic eligibility requirements prior to participation. KSHSAA requires that all students have passed at least five new subjects (those not previously passed the last semester.) They also must be enrolled in at least five new subjects (those not previously passed) or unit weight this coming semester. Office helpers and teacher helpers are not credit courses.**

Fine Arts

- **Intro to Two Dimensional Art (semester) [FA102](#)**
 - This course introduces students to two dimensional media and methods used to produce art, i.e. drawing, painting, and printmaking. Emphasis will be given to the elements and principles of design as they apply to the two dimensional format. Students will create a foundation of artistic thinking and problem-solving.
- **Intro to Three Dimensional Art (semester) [FA103](#)**
 - This course introduces students to three dimensional media and methods used to produce art, i.e. sculpture, ceramics, and installation work. Emphasis will be given to the elements and principles of design as they apply to the three dimensional format. Students will create a foundation of artistic thinking and problem-solving.
- **Advanced Two Dimensional Art [FA201](#)**
 - **Prerequisite: B or better in Intro to 2D -OR- Portfolio of 10 images with artist statement and instructor consent**
 - This class will build upon the skills obtained in Intro to 2D Art. Students will strive to create gallery worthy work in a more independent direction. Coursework will emphasize participation/effort/time management, craftsmanship/use of materials, creative expression, planning/reflecting, project visual outcome and portfolio development.
- **Advanced Three Dimensional Art [FA301](#)**
 - **Prerequisite: B or better in Intro to 3D -OR- Portfolio of 10 images with artist statement and instructor consent**
 - This course introduces students to three dimensional media and methods used to produce art, i.e. sculpture, ceramics, and installation work. Students will be assessed on participation, effort/time management, craftsmanship/use of materials, creative expression, planning/reflecting, project visual outcome and portfolio development.
- **AP Art History [FA501](#)**
 - This course is designed for the student who has a particular interest in art and the historical evolution of art. This course will cover the historical development of art from prehistory to contemporary time. Topics such as cultural influences, iconography, and style as well as material and methods will be discussed. Students enrolling in this course are strongly encouraged to take the Advanced Placement Art History exam which provides the opportunity to earn college credit.
- **AP Art & Design [FA502](#)**
 - **Prerequisite: B or better in Intro to 2D, Intro to 3D, Adv 2D & Adv 3D -OR- Portfolio of 15 images with artist statement and instructor consent**
 - This year-long course is designed for the student who has an exemplary interest in art. Emphasis will be on the personal growth as an artist through research, experimentation, discovery, inventive thinking and art-making, and problem solving in their work. Students will build their portfolio for review of college-level art programs. Students enrolling in this course are strongly encouraged to take the Advanced Placement Art & Design exam which provides the opportunity to earn college credit.
- **Acting I (semester) [FA111](#)**
 - This active course is an introduction to the art of acting. Students will be exposed to a variety of theater based activities that will promote both confidence, self-awareness, and collaboration with peers. Units will be taught on: creative drama, monologue, duet scene, history of drama, stage terminology, and more!
- **Forensics (2nd semester) [FA121](#)**
 - **Prerequisite: ***Must be KSHSAA eligible (see above)**
 - Interscholastic competition is a part of this course. Individual preparation of various phases of speech and drama work is required. The goal of the course is to develop skills in acting; enhance presentation skills, research skills, organization, public speaking skills, and build self-confidence. There will be some emphasis on dramatic interpretation of duet acting, prose, poetry, and improvisation. Students must attend at least two Saturday tournaments.
- **Stagecraft (semester) [FA221](#)**
 - This hands-on & project based course focuses on behind-the-curtain aspects of designing, creating, and presenting a theatrical production. The students will learn technical theater techniques in set design and construction, scenic painting techniques, stage lighting, sound design, and more! Students will utilize their knowledge learned throughout the course to assist with the school's current theatrical production.

Junior Options

- **Repertory Theater FA411**

- Prerequisite: Advance Drama, audition, and instructor consent

- LV Repertory Theater is an audition class that forms a production company. This class provides students opportunities to master the arts of acting, directing, and designing. Students will be expected to perform at high levels of professionalism as they perform multiple shows throughout the year that are presented to the general public in evening performances. This class also includes mastery of improvisational skills with students competing with our Improv Team.

- **Mixed Choir (semester) FA131**

- Prerequisite: B or better in previous semester AND instructor consent if enrolling in additional semesters

- The aim of this course is to stress proper techniques, vocal score interpretation, and performance disciplines. The course is designed to familiarize the student with performance in a choral setting. Emphasis is placed on choral reading skills, part-singing, and musical interpretation.

- **Mixed Choir - Concert Choir (year) FA231**

- Prerequisite: Audition only; ***Must be KSHSAA eligible (see above)

- The aim of this course is to stress proper techniques, vocal score interpretation, and performance disciplines. The course is designed to familiarize the student with performance in a choral setting. Emphasis is placed on choral reading skills, part-singing, and musical interpretation. The Mixed Choir performs in a minimum of two concerts each year. Attendance is required at performances.

- **A Cappella Choir FA331**

- Prerequisite: Audition only; ***Must be KSHSAA eligible (see above)

- This class performs traditional choral literature. Studies in musical styles of the Renaissance, Baroque, Classical, Romantic, and Contemporary Periods are included. Some foreign language diction is studied including Latin, Italian, French, and German. There will be at least one major public performance each semester. Attendance is required at performances. A significant amount of literature studied will be unaccompanied. This course seeks to develop the most refined possible musical skills in the individual.

- **Show Choir FA431**

- Prerequisite: Audition only; ***Must be KSHSAA eligible (see above)

- Show Choir, also known as the Leavenworth High School Power and Life Company, emphasizes public performance. Students are expected to be highly motivated in singing and dancing and personality projection. Modern music in popular styles is studied and performed, with special emphasis given to Broadway and show music. The Power and Life Company is highly visible in the community through its numerous performances. Attendance at performances is required.

- **Senior High Band FA141**

- Prerequisite: ***Must be KSHSAA eligible (see above)

- First semester is Marching Band, which is a performance-oriented course that allows students to study music and movement. The band supports the football team through performances at home football games and the community in local parades. Students also have the opportunity to perform at several marching competitions. After marching season is complete, marching band students will give one concert as a Concert Band and students will perform at first semester basketball games. Attendance at all performances is mandatory and is an important factor in grading. Second semester Concert Band is a performance-oriented course that allows students to study music in several capacities. Included are pep band, solos, and large and small ensembles. Students will be asked to perform at basketball games during the second semester, and band concerts and festivals. Attendance at all performances is mandatory and is an important factor in grading.

- **Jazz Band FA241**

- Prerequisite: Audition only/dual enrollment in Sr. High Band

- Jazz Band is a performance oriented course. Students will study various styles of jazz literature and perform at several events throughout the year. Attendance at all performances is mandatory and is an important factor in grading.

- **Music Appreciation (semester) FA251**

- Music Appreciation is the study of the history and literature of music. Great composers and their music are studied; musical styles of the past and present are examined. This course is highly recommended for students planning to pursue a career in music.

- **Digital Media Technology (semester) FA272**

- Prerequisite: C or better in Intro to Web & Digital Media

- Digital Media Technology teaches the technical skills needed to work with electronic media. Topics include the study of typography, photography, color theory, podcasting and design principles. Students will create multimedia projects while learning workflow, time management and essential communication skills. (This class is a prerequisite for Media Design & Production (Yearbook).)

- **Audio/Video Production II FA382**

- Prerequisite: A in Digital Media Technology OR Journalism & Media Communications AND Consent of Instructor

- Audio/Video Production II is an advanced level course in journalism and requires approval from the instructor for enrollment. Students will use what they learned in Video Broadcasting I to create the school video broadcast program, Pioneer TV. Students will be held accountable for meeting deadlines and working as part of a production team. Students will take part in interviewing, capturing audio and video, editing, and producing. This class requires a significant contribution outside of the scheduled class time to attend school events for assignments.

Junior Options

Communication

- **Argumentation & Debate (1st semester) [LA112](#)**
 - Prerequisite: ***Must be KSHSAA eligible (see above)
 - Argumentation & Debate develops communication skills, critical thinking, and the ability to serve as an advocate in a democratic society. Students research a topic and will learn the processes of creating an effective argument for and against a resolution. Students will learn in-depth critical thinking. This class will prepare students for competitive debate. Some aspects of the class include independent research to prepare debate arguments. (This course does NOT satisfy an English credit. Satisfies one half Language Arts or Communications credit.)
- **Speech (semester) [LA121](#)**
 - This course is designed to offer the novice speaker a number of opportunities to organize and prepare public speaking assignments. Students will have the opportunity to speak one on one, to themselves (intrapersonal Communication), and to a live audience. Students will learn about the important role of Communication in our lives, the communication model, spatial relationships, delivery styles, interviewing styles, and the effectiveness of language, gestures, and organization techniques. (This course does NOT satisfy an English credit. Satisfies one half Language Arts or Communications credit.)
- **Business Communications (semester) [BU210](#)**
 - Prerequisite/Corequisite: [Business Essentials](#)
 - Business Communications helps students to develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communication non-verbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and real-world applications. (Satisfies the Communications graduation requirement.)
- **Journalism & Media Communications (semester) [FA261](#)**
 - Prerequisite: [B or better in prior year ELA course](#)
 - Journalism & Media Communications is a technical level course in journalism. Topics include the study of communications and media, interviewing, writing, and storytelling using the Associated Press style. Students also study ethical and legal issues related to mass media. Students will research topics, interview peers and staff, and write news and feature stories. (This class is a prerequisite for Media Design & Production (Yearbook). Satisfies the Communications graduation requirement.)
- **Media & Public Relations (semester) [FA285](#)**
 - Prerequisite: [B or better in prior year ELA course](#)
 - Media & Public Relations builds 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. (Satisfies the Communications graduation requirement.)

Language Arts

- **Media Design & Production (Yearbook) [LA316](#)**
 - Prerequisite: [B or better in Journalism & Media Comm or Dig Media Technology and instructor consent](#)
 - Media Design & Production (Yearbook) is an advanced level course in journalism and requires pre-approval from the instructor for enrollment. Students will use what they learned in Journalism & Media Communications to create the school yearbook. Students will be held accountable for meeting deadlines and working as part of a production team and take part in interviewing, researching, photography, page design activities, and writing using the Associated Press style. This class requires a significant contribution outside of the scheduled class time to attend school events for assignments.

Junior Options

Practical Arts

- **Financial Literacy (semester) [BU305](#)**

- [Required for graduation](#)

- This course is designed to equip students with essential financial skills and practical knowledge necessary for successful money management. Throughout the year, students will engage in a variety of instructional methods—including lectures, multimedia presentations, collaborative group work, simulations, projects, and presentations—to explore critical financial topics such as job readiness, budgeting, income taxes, life management and philosophies, and investing in a hands-on, real-world context.

- **Business Essentials (semester) [BU103](#)**

- This introductory semester-long course introduces students to the world of business and helps set a foundation for high school, college, and career. The study skills aspect of the course covers organization, time management, improving reading for comprehension, note-taking skills, and more. The business units help students acquire sound values and acceptable attitudes regarding their personal lives and on-the-job success. Students will be engaged in teamwork, presentations, computer-related activities, and current events while learning the following topics: today's economy, business ownership, career exploration, getting and keeping a job, how to be a wise consumer, managing money, understanding banking and credit, and types of insurance. The knowledge obtained in this class is practiced and reinforced throughout the course and is transferable to other courses as well as everyday life. (This course was primarily designed for freshman and sophomore students interested in future business pathway courses).

- **Accounting I [BU201](#)**

- [Prerequisite: C or better in Algebra I and Business Essentials](#)

- This course provides students with an understanding of the financial transactions of a business and enables them to record, present, and interpret these transactions necessary as a consumer of goods and services. Occupations available to the high school graduate that require a knowledge of accounting include accounting clerks/bookkeepers, payroll clerks, and various banking trainee positions. This course is also recommended for those planning to major in any area of business in college.

- **Entrepreneurship (semester) [BU311](#)**

- [Prerequisite: Business Essentials recommended](#)

- This technical-level semester-long course is designed to introduce students to the world of small business ownership and management. Students will be given the opportunity to develop a business plan, as well as work in one or more of the student managed school-based enterprises (Pete's Place, Pioneer Perk, and Pete's Print and Stitch), performing duties under the direction of student owners and operators while developing business start-up skills in planning, financing, human resources, marketing/advertising, selling, and management of products. This hands-on course involves students in a variety of activities that will provide them with the skills necessary to be successful in a constantly changing workplace. Students should be prepared to work independently at times while continuing to meet course expectations. Students will also be exposed to several competitive opportunities involving scholarship. (This course is designed for mature sophomores and above interested in becoming an entrepreneur or for students wanting a hands-on learning experience in preparing for employment).

- **Business Management (semester) [BU315](#)**

- [Prerequisite: Business Essentials or Marketing I recommended](#)

- This technical-level semester-long course covers the key characteristics of business organization and environment and the business functions of human resource management, finance and accounts, marketing and operations management. Students will be working in one or more of the student managed school-based enterprises (Pete's Place, Pioneer Perk, and Pete's Print and Stitch), performing duties of a small business owner/operator in the areas of planning, financing, human resources, marketing/advertising, selling, and management of products. This course is essentially a continuation of the Entrepreneurship Course, however more emphasis will be placed on ownership, human resources, and financial management. (This course is designed for mature sophomores and above interested in becoming an entrepreneur or for students wanting a hands-on learning experience in preparing students for management positions in the workforce).

Junior Options

- **Introduction to Web & Digital Media (semester) [TE105A](#)**
 - This introductory level class covers essential skills in digital communication, content creation, web development, and design. Key competencies include composing professional emails, analyzing social media trends, creating digital content, evaluating content quality, and citing sources. Students also learn HTML, CSS, and JavaScript for web development, applying UX design principles to create responsive websites. Additionally, graphic design fundamentals are covered, focusing on visual identity and optimizing web graphics.
- **Graphic Design [CT222](#)**
 - **Prerequisite: B or better in Intro to Web & Digital Media or teacher recommendation from 8th grade technology teacher**
 - Graphic Design courses emphasize design elements and principles in the purposeful arrangement of images and text to communicate a message. They focus on creating art products such as advertisements, product designs, and identity symbols. Graphic Design courses may investigate the computer's influence on and role in creating contemporary designs and provide a cultural and historical study of master design works of different periods and styles.
- **Applied Graphic Design [CT440](#)**
 - **Prerequisite: B or better in Graphic Design, submit portfolio, interview, instructor consent**
 - Application Level: The goal of this course is to provide the student with work-based learning opportunities in graphic design. It will be focused on applying technical skills to solve real-world graphic design problems. This course will also provide graphic design instruction in the organization and presentation of his or her work in a portfolio format of professional quality. A portfolio, digital portfolio archive, self-promo, resume and business ensemble will be produced. Instruction in interviewing techniques and employment searches will also be provided.
- **Web Design [CT231](#)**
 - **Prerequisite: B or better in Intro to Web & Digital Media**
 - Through this class, students will learn how to design user-friendly web pages that are both functional and interactive. Students will begin by learning HTML coding and then use web authoring software to develop projects.
- **Applied Game Design [CT331](#)**
 - **Prerequisite: B or better in Graphic Design or Web Design**
 - Students will learn the basic principles of game design and build simple games using game design software. They will also learn how to incorporate the games into a website.
- **Introduction to Family & Consumer Sciences (semester) [FC103](#)**
 - This course is an orientation to the Family and Consumer Sciences pathways. Its purpose is to introduce students to the many current subject areas, issues, trends, and careers in food preparation, sanitation and nutrition, interpersonal relationships, child care and development, managing money and personal resources, housing and furnishings, and hand/machine sewing and clothing choices. Students will also take part in many activities that will involve cooperative learning, hands-on projects, and lab experiences.
- **Culinary Essentials (semester) [FC223](#)**
 - **Prerequisite: C or better in Intro to FACS**
 - Culinary Essentials introduces students to basic culinary skills, food safety and sanitation, nutrition concepts, food preparation, presentation, meal planning and career opportunities. Students will learn through lab activities and classroom instruction. This class is a prerequisite for Culinary Arts I.
- **Culinary Arts I (must apply) [FC325](#)**
 - **Prerequisite: C or better in Culinary Essentials, apply and instructor consent**
 - Culinary Arts I integrates the knowledge, skills, and practices required for careers in the restaurant industry. It provides students with a firm foundation in food preparation of all menu categories, food presentation, culinary math, menus, safety and sanitation, and business industry standards. Students will learn through lab activities and classroom instruction.
- **Culinary Arts II (must apply) (semester) [FC425](#)**
 - **Prerequisite: B or better in Culinary Arts I, apply and instructor consent**
 - Culinary Arts II builds upon 16053 Culinary Arts I course by expanding student knowledge, skills, and practices. Whereas Culinary Arts I focused on beginning culinary skill development, Culinary Arts II expands those skills and adds topics such as nutrition and food service management.
- **Baking & Pastry I (must apply) (semester) [FC426](#)**
 - **Prerequisite: B or better in Culinary Arts I, apply and instructor consent**
 - Baking & Pastry I looks at the basics and fundamentals of the baking and pastry industry. Topics include safety and sanitation, equipment, and procedures, baking science, ingredient function, and baking production.
- **Family Studies (semester) [FC233](#)**
 - **Prerequisite: Intro to FACS**
 - 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.

Junior Options

- **Human Growth & Development - The Early Years (semester) [FC243](#)**
 - **Prerequisite:** Intro to FACS
 - This course 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 and physical development; and the appropriate care of children.
- **Foundations of Early Childhood Education [FC347](#)**
 - **Prerequisite:** Human Growth & Development
 - The purpose of the course is to provide information about early childhood careers, stages of development infancy to school age, how to ensure a safe and healthy learning environment and early childhood curriculum. Students must have a TB test to be able to observe/work in a childcare facility.
- **Teaching as a Career [FC224](#)**
 - **Prerequisite:** Intro to FACS
 - Teaching Profession courses introduce students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education.
- **Introduction to Engineering [TE106](#)**
 - An Introductory level course designed to introduce students to concepts in Engineering with a focus on Science, Technology, Engineering, & Math; including units on safety and tools, computer use, design, automation, robotics, space, flight, and electricity.
- **Drafting/CAD [TE202](#)**
 - **Prerequisite:** Algebra I
 - This course is highly recommended for any student interested in the fields of mechanical and architectural drafting or engineering. Drafting/CAD is designed to introduce the student to basic drafting skills and knowledge needed to function in a technical field. The course includes: sketching, multiview, isometric, oblique, dimensioning, and geometric construction. In keeping pace with new technology, each student will spend a large percentage of time using CAD (Computer-Aided Design) programs such as AutoCAD, Inventor, SolidWorks and more.
- **Principles of Applied Engineering [TE206](#)**
 - **Prerequisite:** Introduction to Engineering
 - A technical level course designed to expand student knowledge in the area of applied engineering and allow students to apply learning related to multiple topics in the field of engineering.
- **Robotics I [TE308](#)**
 - **Prerequisite:** Introduction to Engineering
 - A technical level course to develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.
- **Introduction to Automotive Technology (semester) [TE131](#)**
 - This course is for students interested in the automobile from a business, technical, and/or consumer perspective. A broad range of subjects will be covered in this class to include automotive career exploration, consumer information, minor maintenance and safety inspection, and an introduction to technical systems.
- **Automotive Technology I (3 periods-all year) [TE232](#)**
 - **Prerequisite:** Intro Auto Tech preferred; apply/interview; instructor consent
 - This course is for students interested in the automobile from a business, technical, and/or consumer perspective. A broad range of subjects will be covered in this class to include automotive career exploration, consumer information, minor maintenance and safety inspection, and an introduction to technical systems. **Students may earn college credit through Highland Community College if they meet the admission requirements.**

Junior Options

- **AVID 11 [CP301](#)**

- **Prerequisite:** Apply/interview, instructor consent

- AVID 11 develops learning, study and academic behavioral skills that are essential to success in rigorous coursework. The AVID 11 elective class is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. AVID impacts students by using academic strategies like writing to learn, inquiry, collaboration, organizational skills, and critical reading (WICOR). (Satisfies a practical arts credit.)

- **JAG-K 11 (Jobs for America's Graduates-Kansas) [JK300](#)**

- **Prerequisite:** Apply/interview, instructor consent

- **JAG-K Career Preparation.** Eleventh-grade students concentrate on preparing for life after high school. Instruction includes advanced job readiness skills, financial literacy, career planning, job applications, mock interviews, and leadership development. Students may engage in work-based learning experiences, job shadowing, internships, or career projects aligned with their postsecondary goals.

- **Teacher Helper (semester) [TH300](#)**

- Students must have a cumulative GPA of 2.8 and be up-to-date on graduation requirements to be a teacher helper. Those students who have volunteered to be a teacher helper must remain with the assigned teacher or the assigned office for the entire period. It is the student's responsibility to find a teacher prior to enrollment. A form may be picked up in Guidance and must be returned with the teacher's signature. Aides may not leave the room or office without an appropriate hall pass. Students may only have one teacher helper assignment per semester. Teachers may only have one teacher helper per hour. Teachers may not have a teacher helper during their plan. **(No credit is given for a teacher helper.)**

- **Exercise Science (CO200B)**

- **First Aid (2 Credits)** - The theory and practice of first aid and safety are covered. Methods of administering first aid in case of accident or sudden illness; bandaging; resuscitation; and caring for wounds and injuries, CPR and AED training. First aid lab sessions are required for this course. Successful completion of this course results in certification by American Heart Association.
- **Care and Prevention of Athletic Injuries (3 Credits)** - The Care and Prevention of Athletic Injuries course is designed to give students the knowledge to recognize and treat injuries as they occur in athletics or recreational activities. This course is designed for any person interested in the health professional field, as an athletic trainer, coach, or those involved in recreational activities, to help recognize and care for injuries or potential injuries they may encounter.
- **Both courses will be offered in the spring semester at LHS by a KCKCC instructor. Students must enroll in both courses and they will fill one class period. They fulfill an elective credit at the high school level. Students may earn college credit through KCKCC if they meet the admission requirements. Fees will be paid to the college for two semester hours of credit in First Aid and three semester hours of credit in Care and Prevention of Athletic Injuries in the spring.**

ROTC

- **JROTC [RO101](#)**

- JROTC is open to all physically fit students 14 years or older. The purpose of the program is to motivate young people to be better citizens. JROTC is an Army supported activity. Students do not incur any obligations to serve in the military. The ROTC cadet is required to participate in physical fitness training, drill and ceremonies. ROTC cadets are invited to participate on special teams such as: honor guards (drill teams), rifle team, drum and bugle corps, raiders, color guards, cadet chorus, saber team, and the junior guard program. Cadets are provided government issued uniforms at no cost. The uniform must be worn one class period each week and on special occasions. Uniforms are required to be returned immediately upon disenrollment or the student incurs the cost of the uniform. Parents are accountable for all equipment issued to cadets. Fundraiser participation is completely voluntary.

Junior Options

World Language

- **French I WL101**
 - Prerequisite: C or better in English
 - French I introduces the basic elements of grammar by involving the student in reading, writing, listening, and speaking activities in a cultural context. Tests and quizzes are written, oral, and recorded in format. Instruction is both in French and English. Success in the course requires out-of-class study and homework.
- **French II WL201**
 - Prerequisite: C or better in French I
 - French II continues and expands the four basic skills of reading, writing, listening, and speaking introduced in French I. Emphasis is placed on the expansion of vocabulary and the accurate use of structural elements of French in spoken and written forms. Concentration and application are given to verb tenses (present, passé composé and imparfait), idiomatic expressions, and pronouns. Oral presentations and cultural activities are a part of classroom activities. French and English are spoken in class. Success in the course requires out-of-class study and homework.
- **Spanish I WL111**
 - Prerequisite: C or better in English
 - Spanish I introduces the basic elements of grammar by involving the student in reading, writing, listening, and speaking activities in a cultural context. Tests and quizzes are written, oral, and taped in format. Instruction is both in Spanish and English. Success in the course requires out-of-class study and homework.
- **Spanish II WL211**
 - Prerequisite: C or better in Spanish I
 - Spanish II continues and expands the four basic skills of reading, writing, listening, and speaking introduced in Spanish I. Emphasis is placed on the expansion of vocabulary and the accurate use of structural elements of Spanish in spoken and written forms. Concentration and application are given to verb tenses (present, preterite/imperfect), idiomatic expressions, and pronouns. Oral presentations and cultural activities are a part of classroom activities. Spanish and English are spoken in class. Success in the course requires out-of-class study and homework.
- **Spanish III WL311**
 - Prerequisite: C or better in Spanish II
 - Spanish III provides a basic review of the grammar elements studied in Spanish II. Concentration and application are given to Future and Conditional verb tenses. Emphasis is placed on speaking and writing skills. The class includes writing activities, cultural and historical projects and skits, and oral and written summaries. The student is expected to participate in daily class discussions. Spanish and English are spoken in class. Success in the course requires out-of-class study and homework.



Pioneer Career Center



Leavenworth - KCKCC
1901 Spruce ~ Leavenworth, KS 66048



Enhanced Curricular Opportunity

Leavenworth High School is partnering with Kansas City Kansas Community College to create the Pioneer Career Center, or PCC. PCC is housed in what was formerly West Intermediate School, and is opened to interested Juniors and Seniors beginning in August of 2015. PCC gives LHS students the opportunity to explore career paths in a hands-on environment while earning college credit. Credits earned at PCC may be used toward an Associate's Degree at KCKCC or other accepting institutions.

Benefits

- LHS students will receive free tuition (although some program may have additional costs for materials or uniforms)
- Each College Credit that may be used towards an Associate's Degree at KCKCC or other accepting institutions
- Explore different career paths and interests not normally available to high school students.
- Learn technical skills in a hands-on environment
- Earn necessary certifications for various career paths.
- Secure opportunities for employment and apprenticeships
- Gain practical experience while still in high school.



Eligibility

This program is open to LHS Juniors and Seniors, as well as other high school students in the surrounding community, who are on track for graduation. Enrollment requires approval by both the home school and the Pioneer Career Center.

Enrollment

LHS Students: Guidance Counselors will be available to assist with the enrollment process.

Contact LHS Guidance Office at (913)-684-1550



Pioneer Career Center



Leavenworth - KCKCC
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KCKCC Pioneer Career Center gives students the opportunity to explore various career paths in a hands-on environment while earning college credit. Credits earned at the Pioneer Career Center may be used toward an Associate Degree at KCKCC or other accepting institutions.

Certified Nursing Assistant

The CNA course will teach basic nursing care skills and concepts needed for the student to function as a nurse's aide. This course is authorized by the state of Kansas upon completion, allows the student to sit for the nurse aide certification examination.



Construction Technology

Students will prepare for careers in plumbing, electrical, and carpentry. Eligible for CERT A after two semesters. Apprenticeship opportunities with more than 10 skilled craft unions.



Criminal Justice

This course provides insight into jobs such as US Customs, private investigation, or working with private police force. Instruction will prepare students for applications, exams, interviews, and background checks respective to this profession.

Culinary Arts

Students will master the fundamental skills of food service in hotels, restaurants, hospitals, catering, etc. Opportunity to receive practical experience in food service preparation for public meetings and banquets.



Early Childhood Education and Development

Knowledge, skills, and techniques gained in this program will assist you in becoming competent in the field of Early Childhood professions.



Electrical Technology

Students will develop basic electrical skills, technical knowledge and related occupational information to prepare for initial employment in the electrical trade.

Heating, Ventilation, Air Conditioning, & Refrigeration

HVAC is comprised of heating, ventilation, air conditioning, and refrigeration. Silver brazing, electrical and mechanical troubleshooting, and sheet metal techniques are also practiced. Program approved for EPA and R-401A refrigerant certification.



For more information or to enroll,
contact the KCKCC PCC Office
at 913-288-7750 or pion@kckcc.edu