

Leavenworth High School

2020-21 Freshman Options

The LHS course catalog with complete course descriptions and a guideline of the sequence of courses a student must take during their four years of high school is available on the high school website. Course offerings are subject to change.

Required Courses

(Any required class that has a bullet before the class name denotes a Regents Qualified Admissions Course.)

English

•Freshman English EN105

Freshman English is designed in part to prepare students for mastery of state standards and admission to a university. This course includes the study of: literature, composition, the writing process, vocabulary, grammar, and other communication skills through lecture, oral, and independent reading, cooperative learning, presentations and other assessments. Passing both semesters of a Freshman English course is required for graduation. Students will complete four independent book reports and write narrative, persuasive, expository, and descriptive text. Students will be assessed through unit tests, semester summative assessments, and the ACT Aspire.

•Freshman Honors English (Pre-AP) EN155

Freshman Honors English (Pre-AP) is designed to prepare students for mastery of state standards and admission to a university. This course is distinguished from Freshman English by the instructional pacing and the delivery of advanced content. Students should carefully consider the extra time needed for this challenging course. Students will explore advanced language and composition including expository writing, literary and rhetorical analysis, and research techniques. MLA format is required for this class. Independent reading and research will be required. Oral presentations and alternate assessments will be frequent. Students will take the ACT Aspire three times during the school year, and ACT preparation is part of the curriculum. Passing both semesters of a Freshman English course is required for graduation. (The instructional pacing and delivery of advanced content requires an additional time commitment for this challenging course.)

Mathematics (Determined by your current math instructor)

•Algebra I MA125

Students will deepen and extend their understanding of linear and exponential relationships. Students engage in methods for analyzing, solving, and using linear and quadratic functions. Critical areas include modeling situations using expressions, equations and inequalities; analyzing and explaining the process of solving an equation or inequality; exploring various ways of representing functions that involve exponents and roots, performing operations on and simplifying polynomials.

•Geometry MA235

Prerequisite: MA125

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 (Pre-AP) MA240

Prerequisite: B or better in MA125

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.

•Honors Algebra II (Pre-AP) MA355

Prerequisite: B or better in MA240 or A in MA235

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.

Physical Education (All freshmen take one semester of PE and one semester of Health.)

Health (Boys) (semester) PE116

Health (Girls) (semester) PE117

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. This class is a prerequisite for Sports Conditioning unless the student participates in a sport, cheerleading, JROTC Raiders, or powerlifting.

Racquet & 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 freshmen and sophomore 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: PE201 -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.

Science

•Biology

SC201

Biology I is a course that will challenge students to explore how to solve problems using the scientific method. The state of Kansas life science content will be addressed. The student will study all biological processes and how they relate to the environment. Working with laboratory procedures, and collecting and analyzing data will be emphasized. Relationships between the sciences of chemistry, physics, and biology will be established.

•Honors Biology (Pre-AP)

SC211

Teacher recommendation; recommend taking in the 9th grade

Honors Biology will cover the same subject matter as Biology as well as additional topics, and include more details. Emphasis is given to the development of scientific skills, including developing and using models, obtaining, evaluating, and communicating information, and constructing explanations and designing solutions. This course is for those students who possess either a high interest or ability in science and have taken/are taking geometry or have instructor approval.

•Environmental Science

SC303

Fee required

Environmental Science builds on the foundations of Biology, Chemistry, and Earth/Space Science. It is designed for students to experience the interdisciplinary nature of environmental science. Students will engage in the practices of science and engineering to construct their understanding of the interdependence of organisms, populations, and natural resources; renewable and nonrenewable energy resources; and man's impact on the environment.

•Integrated Science-Natural Disasters (semester) SC106

Fee required

This course will explore the science and history of Natural Disasters and their impact on humankind. Students will learn the scientific concepts underlying the 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. The natural disasters the class will cover are earthquakes, volcanoes, landslides, avalanches, floods, wildfires, blizzards, ice storms, hurricanes, tsunamis, and tornadoes.

•Integrated Science-Astronomy (semester)

SC107

Fee required

This semester course will provide students an opportunity to study the universe, as well as the conditions, properties, and motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, and stars.

•Integrated Science-Chemistry (semester)

SC108

Fee required

This introductory semester course is designed to allow students to explore the basic concepts of chemistry. It offers the subject matter of a traditional chemistry course with a qualitative approach to problem-solving. General areas of study will include properties of matter, the atom, the periodic table of elements, chemical reactions, and acid and bases.

•Integrated Science-Physics (semester)

SC109

Fee required

This introductory semester course is designed to allow students to explore the basic concepts of physics. It offers the subject matter of a traditional physics course with a qualitative approach to problem-solving. General areas of study will include force, motion, energy, heat, light, sound, magnetism and electricity.

Social Studies

One of the following courses must be taken in either 9th or 10th grade:

•World History

SS205

The World History course covers significant global developments from prehistoric cultures to the twentieth century nations. Placed within geographic context, students will analyze cultures through the study of their economic, political, social, religious, and technological achievements. Students will be expected to work independently and in small group settings; conduct research; give oral presentations; complete written assignments; and develop their critical thinking skills. With early World History as a background, emphasis will be placed on the 1400's to the present.

•AP European History

SS505

Teacher recommendation; recommend taking prior to AP World History

Four years of advanced social studies courses recommended if student is college-bound

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.

Electives

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

Fine Arts

- **Art I (semester)** FA101
Fee required
This semester course introduces students to the basic elements and principles of design, various media and methods used to produce art, and the artwork and artists that have shaped the course of visual art in our world. Students will explore a variety of media through art studio centers designed to create a foundation of artistic understanding and thinking.
- **Acting I (semester)** FA111
This course is an introduction to the field of acting. Students will be introduced to a variety of learning opportunities that will promote confidence, self-awareness, and positive presentation/performance styles. Units will include creative dramatics, history of drama, theatre and stage terminology, improvisation, the use of voice, boy, and breathing in theatre, movement for the stage, duet acting, creating a scene, and the monologue.
- **Forensics (semester)** FA121
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.
- **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. The Mixed Choir performs in a minimum of one concert each semester. Attendance is required at performances.
- **Mixed Choir (year)** FA231
Prerequisite: Audition only
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.
- **Intermediate Band** FA137
Prerequisite: Teacher recommendation
Intermediate Band is a course that focuses on developing individual musicianship through marching and performing on instruments. It is expected that students taking this course will progress to Marching Band or Concert Band the following year/semester. Attendance at all performances is mandatory and is a factor in grading; however, fewer performances are expected than Marching Band and Concert Band. This course is for a student with previous experience with a musical instrument but who does not meet criteria for Senior High Band.
- **Senior High Band** FA141
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.
- **Percussion Ensemble** FA151
Prerequisite: Teacher recommendation
Percussion Ensemble is a course that focuses on developing musicianship through studying, rehearsing, and performing on percussion instruments. Rehearsals will focus on proper playing techniques for various percussion instruments, rhythm reading, ensemble skills, and preparation for performances. Students will also be expected to do reading, research, and writing pertaining to various aspects of percussion playing. Enrollment is open to the following students and will be granted in this order: current percussion students in the LHS band, other LHS band members, any student in good standing that exhibits an interest in studying all aspects outlined in the course description.
- **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.
- **21st Century Journalism/Introduction to Mass Media (semester)** FA261
This is an introductory class for journalism and mass media. Topics include an exploration of the role media and the communications industry has in society, the development of the technical skills related to journalistic writing and interviewing, as well as understand the ethical and legal issues related to the field. Students will learn the fundamentals of journalism such as writing and designing for print mediums. Students will also learn journalism ethics and First Amendment rights. (This class is a prerequisite for Digital Media Design and Production/Yearbook.)

Language Arts

- **Argumentation & Debate** (semester) LA112
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 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 credit.)

Practical Arts

- **Business Essentials** (semester) BU103
Fee required
This is an introductory class to the marketing and finance pathways. The purpose of the class is to provide an overview of marketing and finance classes and to present various careers that are available in those industries.
- **Computer Applications** CT207
Fee required
Through this course students will receive a brief review of proper keyboarding technique and move into proper document formatting. Students will use word processing, spreadsheet, database, presentation software, and Internet applications over the course of a full year. Students will learn how to use basic and advanced features of the Microsoft Office Suite. They will explore advanced software programs including Adobe Photoshop, Illustrator, Dreamweaver and other related programs. Time will be spent investigating careers related to the computer industry including digitalization in the movie industry, gaming field, software development and cyber forensics.
- **Computer Graphics** CT221
Prerequisite: C or better in CT207
Learn how to use computer graphics to add visual appeal to digitally generated projects using the adobe creative suite. This class will provide hands on instruction as students learn principles of design. (Course may count as Fine Arts or Practical Arts credits.)
- **Introduction to Family & Consumer Sciences** FC115
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.
- **Personal Finance** (semester) FC204
In this exciting class, students learn the value of efficient spending and saving habits.. They will learn the importance of developing consumer skills that can be applied both in their personal lives and in their chosen careers. They will study various career areas and how their individual interests will fit into those areas.
- **Introduction to Industrial Technology** (semester) TE105
This course is designed to instruct students in the basic skills necessary to all occupations in the construction, manufacturing, and transportation areas.
- **Drafting/CAD** TE202
Fee required
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. **If they meet KCKCC admission requirements, students may earn three hours of credit in Computer Aided Drafting in the fall and two hours of credit in Pictorial Drawing in the spring.**

Electives

- **AVID 9** CP100
Prerequisite: Apply/interview, instructor consent
AVID 9 develops learning, study and academic behavioral skills that are essential to success in rigorous coursework. It acts as a catalyst for schools to develop a culture of college readiness for all students across the campus. In the AVID 9 elective class, students receive daily instruction and support to prepare them for college from a trained AVID Elective teacher. AVID impacts students by using academic strategies like writing to learn, inquiry, collaboration, organizational skills, and critical reading (WICOR). (Satisfies a practical arts credit.)

ROTC

- **JROTC** RO101
Fee required
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.

World Language

- **French I** WL101
Prerequisite: C or better in English; Fee required
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 taped in format. Instruction is both in French and English. Success in the course requires out-of-class study and homework. Students are required to pay a fee for workbooks and supplementary materials as needed.
- **Spanish I** WL111
Prerequisite: C or better in English; Fee required
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. Students are required to pay a fee for workbooks and supplementary materials as needed.
- **Spanish II** WL211
Prerequisite: C or better in WL111; Fee required
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, future, and conditional), 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. Students are required to pay a fee for workbooks and supplementary materials.
- **German I** WL121
Prerequisite: C or better in English; Fee required
German 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 German and English. Success in the course requires out-of class study and homework. Students are required to pay a fee for workbooks and supplementary materials. A language dictionary is needed.

Suggested advanced four-year sequence of core courses:

English

Freshman Honors English (Pre-AP) (9th)
Sophomore Honors English (Pre-AP) (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)
Pre-Calculus (11th)
AP Calculus (12th)

****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.****