

Joel E. Ferris High School

9th Grade Course Offerings

2022-2023

Joel E. Ferris High School
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Building a Path to Academic Success—A Well-Rounded Education

While there is no single academic path we expect all students to follow, we want to help you make choices that will lead you to a successful career. Your education is more than taking only academic courses of English, math, science, history and world languages. Taking elective courses such as fine arts, music, drama, CTE classes, etc. will provide you with a well-rounded education.

A good high school education should do more than prepare you for the next level of education or for later employment—it should prepare you to take advantage of future learning opportunities of all kinds. You should gain particular skills and information, as well as a broad perspective on the world and its possibilities. By taking the most academically demanding courses you can find and having a well-rounded education, you can improve both your chance of admission to college and your performance during the first years of college as well as preparing yourself for any pathway you choose to take.

Start with Your Imagination – Grow the Skills You Need

You are entering a highly competitive workforce based on a global knowledge and information economy. To be career and college ready, you need to be able to integrate and apply 21st century skills, technical knowledge and skills and core academic knowledge. Our goal is that every Ferris High School student will graduate globally competitive for work and postsecondary education and prepared for life in the 21st century. No matter what your dream, you can pursue it through the numerous elective classes offered.

Each year, Ferris High School students graduate from high school with career goals, job skills and leadership skills knowing exactly where they will go next to further their education and training.

Find your passion and become one of those students!

*This book is a work in progress.
We are continually improving the information provided to you.*

Not every class listed in this book will be offered every year.
Classes are dependent on the availability of teachers and the number of students interested in taking the class.

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CAREER PATHWAY CLUSTERS: Arts and Humanities

Pathway Description: careers related to cultural studies, English literature, fine arts, history, political science and world languages.

Career Clusters: Arts, Audio/Video Technology and Communications
(check SchoolLinks for more information on clusters/careers/majors/plans of study)

Sample Careers/Occupations		Ferris Courses to Consider	
Architect	Motorboat Operator	AP Comp Gov't/US Gov't	Drawing, Sculpting, Painting
Actor	Multimedia Artist/Animator	AP English Lang (11)/Lit (12)	English 9, 10, 11, 12
Art Director	Music Director	AP Psychology	Filmmaking
Art/Drama/Music Teacher	Musician	AP Statistics	FIN TV/Video Production
Audio/Video Technology	Photographer	AP Studio Art: Drawing	Fitness Classes— ALL courses
Broadcasting	Printing Technology	AP Studio Art 2D-Photo	Independent Business Project-IBP
Camera Operator, TV/Video/Film	Producer/Director	AP Studio Art 3D: Art (sculpture)	Leadership
Choreographer	Proofreader	AP Studio Art 3D-Fabric/Fashion	Mathematics— ALL courses
Commercial/Industrial Designer	Public Relations Specialist	AP US History	Orchestra— ALL courses
Computer Programmer	Radio/TV Announcer	AP World History	Painting Intermediate/Advanced
Dancer	Radio/Cellular/Tower Installer	Bands— ALL courses	Photography (Digital)
Data Entry	Reporters/Correspondent	Ceramics	Stagecraft
Designer	Set/Exhibit Designer	Choirs— ALL courses	Theatre — ALL courses
Desktop Publisher	Singer	Civics / CWA	US History
Directors-stage/TV/radio/film	Sound Engineering Technician	Creative Writing	World History
Editor	Stage Technician	Debate	World Languages— ALL courses
Film/Video Editor	Talent Director	Drawing Intermediate/Advanced	Writing on Film
Graphic Designer	Technical Writer		Yearbook
Historian	Telecommunication		
Interior Design	Visual Art		
Journalism	Writers/Author		
Locomotive Engineer			

CAREER PATHWAY CLUSTERS: Business and Industry

Pathway Description: careers in accounting, architecture, automotive technology, business, communications, construction, finance, graphic design, information technology, marketing, welding, etc.

Career Clusters: Agriculture, Food and Natural Resources; Manufacturing; Finance; Transportation, Distribution and Logistics; Marketing; Business Management and Administration
Hospitality and Tourism; Architecture and Construction
(check SchoolLinks for additional information on clusters/careers/majors/plans of study)

Sample Careers/Occupations		Ferris Courses to Consider	
Accounting	Landscaping/Groundskeeper	Accounting	FIN- TV/Video Production
Administrative Support	Lodging Manager	AP Computer Science	Fitness Classes – ALL courses
Agribusiness System	Maintenance/Operation	AP Environmental Science	Foods & Nutrition / Intern'l Foods
Animal Science	Marketing Mgt./Research	AP Psychology	Independent Business Project-IBP
Architecture and Construction	Mfg. Production Process	AP Statistics	Leadership
Baker	Merchandising	AP Studio Art 2D/3D – ALL	Marketing and Economics / Adv.
Banking Service	Mobile Equipment Maintenance	AP US Government and Politics	Marketing Management I/II
Business Finance	Natural Resources System	Applied Field Science	Mfg./Material Processing (Woods)
Business Information Mgt.	Operations Management	Art Classes – ALL courses	Mathematics – ALL courses
Construction	Professional Sales	Child Development	Music— ALL Band/Orchestra/Choir
Conservation Scientist	Quality Assurance	Civics/ CWA	Photography (Digital)
Design/Pre-Construction	Recreation/Amusement	Culinary & Hospitality (ProStart)	Project Lead the Way: Biomedical
Farmer/Rancher	Restaurant-Chef, Food Server	Debate	Project Lead the Way: Engineering
Facility Equipment Maintenance	Sales and Service	Early Childhood Education	Sports Medicine / Advanced
Finance	Securities and Investments	English 9, 10, 11, 12	Stagecraft
Fish and Game Warden	Transportation Operations	Environmental Chemistry	Theatre – ALL courses
Food/Beverage Service	Travel and Tourism	Film Making	World Languages— ALL courses
Insurance	Tree Trimmer/Pruner		Yearbook
General Management	Warehouse/Distribution Op		
Human Resources Management	Water/Wastewater Treatment		
International Business	Zoologists/Wildlife Biologist		

CAREER PATHWAY CLUSTERS: Public Service

Pathway Description: careers relating to education and training, health sciences and occupations, law enforcement and government services, human services and military.

**Career Clusters: Human Services; Law, Public Safety, Corrections and Security
Health Science; Education and Training; Government and Public Administration**
(check SchoolLinks for additional information on clusters/careers/majors/plans of study)

Sample Careers/Occupations		Ferris Courses to Consider	
Administration	Hairstylist/Cosmetologist	Advanced Marketing/Economics	English 9, 10, 11, 12
Administrative Support	Healthcare Social Worker	Anatomy and Physiology	Environmental Chemistry
Athlete/Sports Competitor	Interpreter and Translator	AP Biology	FIN - TV/Video Production
Barbers	Law Enforcement	AP Calculus AB/BC	Fitness Classes – ALL courses
Biological Scientist	Lawyer	AP Chemistry	Foods & Nutrition/Intern'l Foods
Biotechnology Research	Legal Services	AP Comp Gov't/US Gov't	Health
Childcare Worker	Mathematician	AP English Language	Independent Business Project-IBP
Chiropractor	Military	AP English Literature	Leadership
Clergy	Music Director	AP Environmental Science	Mathematics – ALL courses
Consumer Services	National Security	AP Psychology	Photography (Digital)
Counseling and Mental Health	Personal Care Services	AP Statistics	Project Lead the Way: Biomedical
Correction Service	Pharmacist	AP US History	Project Lead the Way: Engineering
Dental Hygienist	Physician/Surgeon	AP World History	Science– ALL courses
Dentist	Radiologic Technician	Applied Field Science	Sports Medicine / Advanced
Diagnostic Services	Revenue and Taxation	Child Development	Theatre – ALL courses
Early Childhood Development	Security and Protective Service	Civics / CWA	US History
Emergency and Fire Management	Singer	Culinary & Hospitality (ProStart)	World History
Family and Community Services	Social Service	Debate	World Languages – ALL courses
Firefighter	Surgeon	Early Childhood Education	Yearbook
Fitness Trainer	Teaching		
Foreign Service/International Aide	Therapeutic Services		
Governance	Veterinarian/Vet Assistant		

CAREER PATHWAY CLUSTERS: STEM (Science, Technology, Engineering, Math)

Pathway Description: careers directly related to science (including environmental science), technology (including computer science), engineering and advanced mathematics

Career Clusters: Science, Technology, Engineering and Mathematics; Information Technology
(check SchoolLinks for additional information on clusters/careers/majors/plans of study)

Sample Careers/Occupations		Ferris Courses to Consider	
Aerospace Engineer	Environmental Engineer	Algebra 1	English 9, 10, 11, 12
Archeologist	Family & General Practitioner	Algebra 2	Environmental Chemistry
Architectural/Engineering	Fire Prevention/Protection Engr.	Anatomy and Physiology	Filmmaking
Biological Scientist	Graphic Designer	AP Biology	FIN - TV/Video Production
Biomedical Engineer	Health and Safety Engineer	AP Calculus AB/BC	Fitness Classes – all courses
Chemical Engineer	Industrial Engineer	AP Chemistry	Geometry
Chemistry Teacher	Information Security Analyst	AP Computer Science	Health
Chemist	Marine Engineer/Naval Arch.	AP Environmental Science	Independent Business Project
Civil Engineer	Market Research Analyst	AP Physics	Intermediate Math
Computer Hardware Engineer	Mathematician	AP Psychology	Leadership
Computer Network Support	Mechanical Engineer	AP Statistics	Photography (Digital)
Computer Programmer	Microbiologist	AP Studio Art 2D: Photography	Physics
Computer Systems Analyst	Multimedia Artist/Animator	Applied Field Science	Pre-calculus
Database Administrator	Network/Computer Sys. Admin.	Biology	Project Lead the Way: Biomedical
Dietitian/Nutritionist	Nuclear Engineer	Bridge to College Math	Project Lead the Way: Engineering
Drafter	Physicist	Chemistry	Sports Medicine / Advanced
Economist	Political Scientist	Debate	Woods (Mfg./Material Processing)
Education, Training, Library	Psychologist		World Languages – ALL courses
Electrical Engineer	Sociologist		Yearbook
Engineering	Software Developer		Yearbook
Engineering Teacher	Statistician		
	Zoologist/Wildlife Biologist		

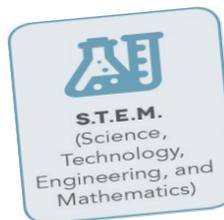
CAREER PATHWAY CLUSTERS: Multi-Disciplinary

Pathway Description: this pathway allows a student to select courses from the curriculum of each pathway area. This pathway may also include AVID, Honors/AP courses, Running Start, etc.

Career Clusters: Combination of four or more of the previous clusters, 4-year college entrance requirement, Running Start, 4 credits or more in AP selected from English, Math, Science, Social Studies, CTE or AVID

(check SchoolLinks for additional information on clusters/careers/majors/plans of study)

Sample Careers/Occupations		Ferris Courses to Consider	
Agriculture	Manufacturing	Accounting	Career and Technical – ALL
Architecture	Marketing	AP Biology	Choirs – ALL courses
Arts	Mathematics	AP Calculus AB/BC	Creative Writing
Audio/Video Technology	Medical Professions	AP Chemistry	Debate
Business Administration	Natural Resources	AP Comp Gov't /US Gov't	English – ALL courses
Business Management	Network Administrator	AP Computer Science	Family/Consumer Sciences – ALL
Communication	Nurse Anesthetist	AP English Language/AP English	FIN - TV/Video Production
Computer Systems Analyst	Occupational Therapist	AP Environmental Science	Fitness – ALL courses
Construction	Physical Therapist Assistant	AP European History/AP World	Independent Business Project
Corrections and Security	Political Scientist	AP Physics	Leadership
Dentist	Psychologist	AP Psychology	Mathematics – ALL courses
Education and Training	Public Administration	AP Studio Art 2D / 3D	Mythology
Engineering	Public Safety	AP Studio Art 3D-Photo	Project Lead the Way: Biomedical
Finance	Science	AP US History	Project Lead the Way: Engineering
Food Production/Service Industry	Software Developer	Art Classes – ALL courses	Running Start Courses
Government	Speech-language Pathologist	AVID 9, 10, 11, 12	Science – ALL courses
Health Science	Technology	Bands and Orchestras – ALL	Social Science – ALL courses
Hospitality	Tourism	Business & Marketing – ALL	Theatre – ALL courses
Human Services	Transportation Distribution	Business & Marketing – ALL	World Languages – ALL courses
Information Technology	Transportation Logistics		Yearbook
Law	Urban & Regional Planner		



What Are Career Pathways And Why Are They Important?

Career Pathway-Clusters act as a personal GPS system for individuals to find their way to gainful employment and a successful career. America's economy has shifted from an industrial model to an information-technology model. The shift created a significant increase in high-skilled occupations and a major decline in low skill jobs. Because today's workplace needs are more defined, today's job seeker cannot rely on a generalist approach to their future career. Individuals seeking gainful employment need to possess a high level of career knowledge, so they can make informed decisions when choosing a career direction.

http://static.k12.wv.us/careerpathways/5_About_Career_Pathways.pdf

Career pathways are planned journeys to informed destinations.

Timeline for Getting College-Ready

From College Success Foundation

FRESHMAN YEAR

- Visit your school's career center and learn how you can explore college choices and which programs are available to start planning early for college. Explore colleges, majors and careers through **SchoolLinks**.
- Keep your parents/guardians informed about what you are learning in school and your academic goals.
- Begin talking about college costs and saving for college with your parents/guardians if you have not done so already.
- Review your college-going plan with your counselor. Revise if needed. Make sure you are taking courses that will meet college admission requirements.
- Start your year off right: Talk with your school counselor about your options and your plans. Be sure to ask about test dates for the PSAT, ACT and SAT.
- Stay focused on and organized in your classes, homework and daily tasks. Plan ahead and keep track of assignments by using a student planner or daily agenda. Turn in assignments early or on time.
- Study by reviewing classroom materials, creating flashcards, rewriting notes and quizzing your friends to help master the content. Create study groups.

- Take advantage of available resources such as homework help sessions, study hall or open library hours.
- Learn how to appropriately ask for help from adults.
- Join clubs and get involved. Participate in athletics, community service and volunteer.

SOPHOMORE YEAR

- Review your college-going plan with your counselor. Make sure you are taking courses that will meet college admission requirements.
- Stay focused on and organized in your classes.
- Begin researching different colleges through **SchoolLinks** to create a list of schools.
- Ask about how to prepare to State tests, end of course exams, PSAT and SAT. Khan Academy is a great resource to help with academics and the SAT.
- Participate in student organizations, athletics, community service and volunteer events.
- Get job skills in high school over the summer.
- Many colleges and scholarships factor in your GPA when considering you for admissions, make sure to earn the best GPA you can.

JUNIOR YEAR

Fall Semester Timeline

- Start your year off right: Talk with your school counselor about your options and your plans. Be sure to ask about test dates for the PSAT, ACT and SAT.
- Sign up for courses with your eyes on the prize: college and money to pay for it! A tougher course load may pay off with scholarships and may get you a better chance to get admitted to your choice school.
- Start investigating private and public sources for financial aid. Take note of scholarship deadlines and plan accordingly. Sign up for activities to boost your college applications.
- Find out about schools you are interested in attending. Treat your school selection process like a research paper: make a file, gather information about schools, financial aid, and campus life to put in it.
- Go to college fairs and open houses and learn as much as you can from the Internet about schools. Begin planning college visits—fall, winter, and spring break may be good times because you can observe a campus when classes are going on.
- Take the PSAT. You'll get results online in December.
- Sign up for ACT or SAT prep courses. Khan Academy is a great resource for the SAT.
- Do your top college picks require essays or recommendations? Begin planning your essays and choosing whom you'd like to ask for a recommendation.

- Begin the application process for service academies (West Point, Annapolis, etc.)
- Decide if you should take AP exams in May.

Spring Semester Timeline

- Meet with your school counselor again to develop your senior schedule.
- Organize your Individual Graduation Plan.
- Think about lining up a summer job or internship.
- Plan campus visits for spring break.
- Get ready for AP exams in May.
- Take the SAT.

SENIOR YEAR

Fall Semester Timeline

- Many colleges accept the Common Application. Apply and link it to **SchoolLinks**.
- Sign up for the SAT or ACT if you didn't take it as a junior, or if you aren't satisfied with your score.
- Start the financial aid application process.
- See your counselor or college/career specialist for help finding financial aid and scholarships.
- If you need it, get help completing the FAFSA (Free Application for Federal Student Aid). Watch the mail for your Student Aid Report (SAR) ~ it should arrive four weeks after the FAFSA is filed.
- Visit with your school counselor to make sure you are on track to graduate and fulfill college admission

requirements. Consider taking courses at a local university or community college.

- Keep working hard all year; second semester grades can affect scholarship eligibility.
- Ask for personal references from teachers, school counselors, or employers early in the year or at least two weeks before application deadline.
- Attend a college fair.
- Begin your college essay(s).
- Apply for admission at the colleges you've chosen.
- Avoid common college application mistakes.
- Find out if you qualify for scholarships at each college where you have applied.

Spring Semester Timeline

- In January ask the Student Office to send your first semester transcripts to schools where you applied. In June, they will need to send final transcripts to the college you will attend.
- Visit colleges that have invited you to enroll.
- Decide which college to attend and notify the school of your decision.
- Keep track of and observe deadlines for sending in all required fees and paperwork.

- Notify schools you will not attend of your decision.
- Continue to look for scholarship opportunities.
- Keep track of important housing, registration, financial aid and scholarship deadlines.
- Compare financial aid packages from different schools.
- Notify your college about any outside scholarships you received.
- Get ready for AP exams in May.

June to August:

- Make sure your final transcript is sent to the school you will be attending.
- Getting a summer job can help pay some of your college expenses.
- Make a list of what you will need to take with you for your dorm room.
- If you haven't met your roommate, call, write, or e-mail to get acquainted in advance.
- Make sure housing documentation is quickly accessible when you move into the dorm.
- Learn how to get around at your new school. Review a campus map.
- Wait until after your first class meeting to buy your books and supplies.

Minimum College Admission Standards

For Students Entering College/University in the summer or fall after high school graduation College Academic Distribution Requirement (CADR) Coursework

Students are encouraged to take a minimum of three credits of CADR courses each year of high school, including the senior year.

Students who take college-level coursework and complete 5 quarter credits, will have earned the equivalent of one CADR credit.

Please see your counselor for specific CADR course requirements and information for additional requirements for specific colleges.

English – 4 credits – including 3 credits of college preparatory composition or literature.

Mathematics – 3 credits. Algebra I, geometry, and Algebra II (intermediate algebra)

Senior Year Math-Based Quantitative Course: During the senior year of high school, students must earn a credit in a math-based quantitative course. This requirement may be met through enrollment in one of the three required math courses or by completing a math-based quantitative course like statistics or by completing an algebra-based science course taken during the senior year

that would satisfy this requirement and part of the science requirement below. *Note: The senior-year math requirement does not mean a 4th credit of math is required, nor does it require a higher level of math; the intent is for seniors to take meaningful math.*

Science – 2 credits of laboratory science are required for admission. One credit must be in biology, chemistry, or physics (this course may also meet the algebra-based requirement).

World Languages – 2 credits must be earned in the same World Language, Native American language, or American Sign Language. Note: Any World Language course taken in middle school may satisfy one - two credits of the requirement (needs to be included on the high school transcript-get a form from your counselor.)

Social Science – 3 credits of history or other social science

Arts – 1 credit of fine, visual, or performing arts - or 1 additional credit in other CADR academic subject areas as defined above.

Alphabetical Listing of Courses Offered at Ferris High School

Algebra 1

Pre-Requisites: None

Grades: 9-12

Graduation Requirement Credit: Math

College Entrance Requirement (CADR): Meets (NCAA)

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

Algebra will weave together a variety of concepts, procedures and processes in mathematics. Students will develop the ability to explore and solve mathematical problems, think critically, work cooperatively with others and communicate their ideas clearly as they work through these mathematical concepts and algebraic procedures. Topics for this course include a study of linear, quadratic and exponential functions as well as statistics. Use of the graphing calculator is an integral part of this course.

Algebra II and Algebra II Honors

Pre-Requisites: Geometry, Algebra I

Grades: 9-12

Graduation Requirement Credit: Math

College Entrance Requirement (CADR): Meets (NCAA)

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

Algebra II: Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The practice standards, problems solving, communication and connections apply throughout this course. Through the content and practice standards, students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Use of the graphing calculator is an integral part. The Smarter Balanced Assessment taken during the junior year tests mathematics content through this course and is a graduation requirement.

Algebra II Honors: This math course option follows the Algebra 2 curriculum but will go into greater depth in the development of the course concepts. This Honors course is a challenging option designed for students who have demonstrated high levels of academic achievement in mathematics. The Honors distinction is an option available to all students enrolled in Algebra II.

AP Computer Science

Pre-Requisites: Algebra 1

Grades: 9-12

Graduation Requirement Credit: CTE, Science

College Entrance Requirement (CADR): (NCAA)

Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, STEM

AP Computer Science provides instruction in the use of the JAVA programming language to design, write and analyze programs and subprograms in preparation for the AP Computer Science exam.

AP World History

Pre-Requisites: None

Grades: 9-10

Graduation Requirement Credit: World History

College Entrance Requirement (CADR): Meets (NCAA)

Career Pathway Cluster Options: Arts and Humanities, Multi-disciplinary, Public Service

AP World History offers students a broad view of events, ideas and movements that have led to the contemporary world. This course has a brief review of ancient human history, but largely covers the history of major civilizations from 1450 to the present.

Not every class listed in this book will be offered every year.

Classes are dependent on the availability of teachers and the number of students interested in taking the class.

AVID (Advancement Via Individual Determination)

Pre-Requisites: None

Grades: 9-12, may be repeated up to 8 semesters

Graduation Requirement Credit: Elective

Career Pathway Cluster Options: Multi-disciplinary

AVID is a program that prepares students for college eligibility and success. The AVID class addresses key elements in college preparation including academic survival skills, college entry skills, tutorials, motivational activities and career and college exploration. Students who participate in the AVID program will take courses that meet 4-year college entry requirements while learning time management, note taking and essay writing.

Band - Intermediate (Concert)

Pre-Requisites: None

Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning may be charged.

Graduation Requirement Credit: Art

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary

Students who play brass, woodwind and percussion instruments should enroll in this class. Fundamentals of all band instruments will be introduced and explored. This is a great class to sharpen performance skills in order to audition for the select, more advanced ensembles. Various styles of band music will be performed. Students in this class will also have the opportunity to be part of the school marching and pep bands. Opportunities to perform include (but are not limited to) festivals, contests, sporting activities and concerts.

Band- Jazz Band - Advanced

Pre-Requisites: Audition is required.

Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning may be charged.

Graduation Requirement Credit: Art

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary

This is a select jazz ensemble for the serious instrumental musician who desires advanced training in jazz concepts and performance. Instruments included in a jazz ensemble are saxophone, trumpet, trombone, piano, guitar, bass guitar and percussion. An active performing schedule including school concerts and special community events is a major aspect of this ensemble. Opportunities to perform include (but are not limited to) festivals, contests and concerts.

Band - Jazz Band - Intermediate

Pre-Requisites: None Participation requires commitment to performing both in & outside of the school day.

Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning may be charged.

Graduation Requirement Credit: Art

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary

Students who would like to explore instrumental jazz music should take this class. All aspects of the fundamentals of proper jazz techniques will be introduced. Instruments included in a jazz ensemble are saxophone, trumpet, trombone, piano, guitar, bass guitar and percussion. Opportunities to perform include (but are not limited to) festivals, contests and concerts.

Band-Percussion Ensemble and Advanced Percussion Ensemble

Pre-Requisites: Previous percussion experience is required as well as teacher permission.

Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning that may be charged.

Graduation Requirement Credit: Art

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary

Percussion Ensemble: This class is for the experienced percussionist who is interested in exploring many different phases of the world of percussion. Members will comprise all (or part) of the percussion sections of the intermediate (Drumline) and advanced bands, marching band and pep band. They also perform percussion ensemble music and solo literature.

Advanced Percussion Ensemble is for the experienced percussionist who is interested in performing diverse concert percussion literature within the large ensemble genre. In addition to a full percussion ensemble compliment, the members of the ensemble are also the percussion sections for the Concert and Wind Ensemble. Members are selected via audition and need to contact the instructor to set an audition time.

Band - Wind Ensemble-Advanced

Pre-Requisites: Special permission of the instructor is required.

Grade: 9-12, may be repeated Participation requires commitment to performing both in & outside of the school day.

Graduation Requirement Credit: Art

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary

This select band consists of students who have a strong instrumental music background. Students have a chance to sharpen their skills through challenging music and performances. All styles of band music will be performed. Students in this class will also have the opportunity to be part of the school marching and pep bands. Opportunities to perform include (but are not limited to) festivals, contests, sporting activities and concerts.

Biology

Pre-Requisites: None

Grade: 9-10

Graduation Requirement Credit: Science This course is considered an algebra-based science.

College Entrance Requirement (CADR): Meets (NCAA)

Career Pathway Cluster Options: Multi-disciplinary, Public Service, STEM

Biology is the study of living systems and interactions between living and non-living systems. Biology is an introductory lab science course designed for ninth grade students. Using the Next Generation Science Standards as a guide, students explore essential questions underlying topics in cellular biology, heredity, evolution and ecosystems. Questions guiding exploration include: "How do organisms live and grow? How and why do organisms interact with their environment, and what are the effects of these interactions? How are characteristics of one generation passed to the next? How can individuals of the same species have different characteristics?" And "What evidence shows that different species are related?" In addition to acquiring content knowledge specific to biology, students also deepen their understanding of science and engineering practices through hands-on inquiry that involves asking questions, designing and carrying out investigations, and exploring and applying core science concepts that span across and unify all disciplines of science.

Business and Marketing A/B (DECA)

Pre-Requisites: None

Grades: 9-12

College credit available.

Graduation Requirement Credit: CTE

Career Pathway Cluster Options: Business and Industry, Multi-disciplinary

This is a great course if you are interested in any area of business and marketing. Students obtain career and professional development and are exposed to a wide variety of marketing topics such as business ownership, promotion, sales, economics, communication and leadership. Students are introduced to the world of business, marketing, economics, and social responsibility, focusing on communication and interpersonal skills essential for success in the business world. Students will also participate in DECA, the student leadership organization. This class is a must for every student who is considering a career in the business world.

Child Development

Pre-Requisites: None

Grades: 9-12

Possible fees for uniform cleaning may be charged.

Graduation Requirement Credit: CTE

Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service

- Explore parenting skills
- Learn about prenatal care, birth ages and stages
- Take home baby simulator
- Career exploration
- Industry standard certification (STARS)
- Make a difference in children's lives!

Choir - Intermediate (Treble)

Pre-Requisites: None

Grades: 9-12

Possible fees for uniform cleaning may be charged.

Graduation Requirement Credit: Art

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary

Open to female students who are interested in improving their vocal and musicianship skills. Emphasis is given in rehearsal and concert etiquette and the responsibilities associated with membership in a performing group. Students will learn basic music theory and music reading skills. The class will focus on tone quality and intonation within the ensemble as well as vocal technique and musical interpretation. Performances include (but are not limited to) four major concerts, festivals and contests.

Choir - Intermediate Vocal Ensemble (Saxon Knights) – meets 0 period before school

Pre-Requisites: Audition required; participation requires membership in Choral or instrumental large ensemble

Grade: 9-12, may be repeated

Possible fees for uniform cleaning may be charged.

Graduation Requirement Credit: Art

Zero Hour class students must provide their own transportation.

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary

Saxon Knights meet three mornings a week. Special attention will be placed on creating a strong male sound through vocal production and technique. Music varies in genre from popular to classical music. Performances include (but are not limited to) four major concerts, festivals, contests and a tour.

Choir - Vocal Ensemble (Show Choir) – meets 0 period before school

Pre-Requisites: Audition required; participation requires membership in Choral or instrumental large ensemble

Grade: 9-12, may be repeated

Possible fees for uniform cleaning may be charged.

Graduation Requirement Credit: Art

Zero Hour class students must provide their own transportation.

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanity, Business and Industry, Multi-disciplinary

This class meets three mornings a week. Students will develop musical show choir skills including choreography and dance. They continue to learn a variety of singing styles, with a focus on more popular and audience-oriented selections. Performances include (but are not limited to) four major concerts, festivals and contests.

Debate (meets 0 period—before school)

Pre-Requisites: None

Note: 0-Hour class students must provide their own transportation

Grade: 9-12, may be repeated up to 8 semesters

Graduation Requirement Credit: Elective

Participation in competition is required.

Career Pathway Cluster Options: Arts and Humanity, Business and Industry, Multi-disciplinary, Public Service, STEM

This course is designed for any students interested in perfecting their speaking styles, fine tuning their critical thinking skills and mastering research techniques for use in many other areas. Students will have the opportunity to participate in the following forensic events: original oratory, extemporaneous, impromptu and expository speaking, humorous, dramatic and reading interpretation. Debate style will focus on “one-on-one”, Lincoln/Douglas format. Much of the work will be done independently, outside of school and/or class time.

Drawing, Sculpting and Painting

Pre-Requisites: None

Grades: 9-12

Graduation Requirement Credit: Art

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary

Explore your creativity and discover hidden talents. This exploratory course focuses on developing the skills & vocabulary used by designers/artists to develop ideas and produce drawings, paintings, and sculpture. The emphasis is on the fundamentals that help build a strong creative background that so many companies and employers are dependent upon. This class will begin a portfolio to be considered for culminating project. A wide variety of styles, techniques, artists and eras will challenge students in their definition of art.

English Language Development (ELD) courses are designed to align to the *National Geographic/CENGAGE Learning curriculum* (used in ELD English 1, 2, 3, and 4) and should develop students' level of English skills from their current language proficiency level (determined by the ELPA) to higher levels of language proficiency. These courses foster students' acquisition of the four language skills of reading, writing, listening and speaking in English.

ELD English Newcomer

Pre-Requisites: Level 1 on WELPA/ELPA

Grade: 9-12

Graduation Requirement Credit: English

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

ELD English Newcomer is an intensive beginning class offered at the ELD Newcomer Center for high school aged students who are Non-English speakers and are just starting their education in the United States. This class utilizes the Inside the USA Newcomer curriculum and is meant for students at the earliest levels of English language proficiency: preproduction and early production.

ELD English 1, 2, 3, 4

Pre-Requisites: Below 80% - Edge Phonics & Decoding Assessment OR Lexile levels 10-485 - Edge Placement Test

Grade: 9-12

Graduation Requirement Credit: English

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

English 1 aligns with ELA & ELP standards and is designed for students in the early production/beginning speech emergent stages of second language acquisition. This class utilizes the Fundamentals curriculum. Students in ELD English 1 will take ELD 1 concurrently. **Pre-Requisites:** Below 80%-Edge Phonics and Decoding Assessment OR Lexile levels 10-485 on EDGE Placement Test

English 2 aligns with ELA & ELP standards and is designed for students in the speech emergent stage of second language acquisition. This class utilizes the Level A curriculum provided. Students in ELD English 2 will take ELD 2 concurrently. **Pre-Requisites:** Lexile levels 520-735 on EDGE Placement Test

English 3 aligns with ELA & ELP standards and is designed for students in the advanced speech emergent/beginning intermediate fluency stage of second language acquisition. This class utilizes the Level B, Volume 1. **Pre-Requisites:** Lexile levels 770-875 on EDGE Placement Test

English 4 aligns with ELA & ELP standards and is designed for students in the intermediate fluency stage of second language acquisition. This class utilizes the Level B, Volume 2 curriculum. **Pre-Requisites:** Lexile levels 915-1065 on EDGE Placement Test.

ELD 1 and ELD 2

Pre-Requisites: Enrolled concurrently in ELD English 1 or ELD English 2

Grade: 9-12

Graduation Requirement Credit: Elective

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

ELD 1 and ELD 2 are 2nd language development courses that accompany ELD English 1 or 2 and use the EDGE curriculum.

ELD Gateway to World History and ELD Gateway to US History

Pre-Requisites: Meets language proficiency level indicated in description

Grade: 9-12

Graduation Requirement Credit: World History or US History

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service

ELD World History: ELD Community Studies aligns with Language Proficiency Level 1 [Beginner/Advanced Beginner] and ELD Standards for Proficiency Level 1. The Language Development focus is reading academic text. The content focus of ELD World History and World Geography. Gateway to Social Studies is the supplemental text used.

ELD US History aligns with Language Proficiency Level 2 [Intermediate] and ELD Standards for Proficiency Level 2. The Language Development focus is reading academic text and focuses on US History and government.

ELD Basic Math Newcomer and ELD Math

Pre-Requisites: Meets language proficiency level indicated in description

Grade: 9-12

Graduation Requirement Credit: Elective

College Entrance Requirement (CADR): does not meet

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

ELD Basic Math Newcomer-for students enrolled in the ELD Newcomer Center, who need to learn the vocabulary of Math and to learn basic arithmetic/math skills. **ELD Math** - for students whose language proficiency and math skills require additional development before the students can be successful in a general education Algebra 1 course. This course is taught by a Math teacher who is supported by a Bilingual Specialist and collaborates with the ELD teachers to help develop the students' math language skills while developing math skills.

English 9 and English 9 Honors

Pre-Requisites: None (English 9), Pre-course summer assignment (English 9 Honors)

Grades: 9

Graduation Requirement Credit: English

College Entrance Requirement (CADR): Meets (NCAA)

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

English 9: Investigating the thematic concept of coming of age. Students will read Harper Lee's novel *To Kill a Mockingbird*; informational articles about college; short stories by Poe and Collier; historical articles about segregation; poetry by Wordsworth, Neruda, and Cardiff; and Shakespeare's *Romeo and Juliet*. From the reading, students will gather evidence from texts and incorporate it in written and oral responses, including a presentation using multiple forms of media. Students encounter more varied and complex writing in this grade as they write in a variety of modes including argumentative, informational, and narrative writing. Film texts are a large part of the activities. In Unit 2, students study a film director's style and analyze how style is evident in the transformation of print texts to films. In Unit 5, students study *Romeo and Juliet* analyzing how key scenes are represented in multiple film versions as well as the print text.

English 9 Honors: This course offers students an extension of the core curriculum of English 9. Enrichment activities and assignments are provided throughout the course. The completion of this course prepares students to take advanced placement classes later in high school.

Filmmaking

Pre-Requisites: None

College credit can also be earned.

Grades: 9-12, may be repeated

Graduation Requirement Credit: CTE

Career Pathway Cluster Options: Art and Humanities, Business and Industry, Multi-disciplinary, STEM

Do you like movies?

Do you want to know more about movie making?

Do you want to work on a variety of film projects and produce films for the Ferris community?

Learn how to tell stories visually. Use digital video cameras and professional editing software (Adobe Premiere) to create movies. Students participate in video scavenger hunts, produce film "portraits" and create dramatic scenes, music videos, scriptwriting and more. Discover careers in movie making and media. In this hands-on class you will develop your skills in organization, collaboration, communication, self-expression, time management and trouble-shooting—skills needed in any career field.

Foods and Nutrition and International Foods

Pre-Requisites: None

Grades: 9-12 1 semester (1st semester class / International Foods is the 2nd semester class)

Graduation Requirement Credit: CTE

Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service

Foods and Nutrition: In this class, students learn the basics of food preparation, distinguishing what makes a good recipe, the nutritional value of foods and proper basic cooking methods and techniques. Food safety and storage, meal-planning and shopping techniques are explored. Weekly foods labs focus on specific curricular areas of interest.

International Foods: This class takes the information you learned in Foods and Nutrition a step further. The food selection and preparation are more advanced than in first semester, a larger variety of foods are explored, and we share our sampling of foods from around the world. Both food and culture around the world are a dual focus of this class.

Geometry

Pre-Requisites: Algebra 1

Grades: 9-12

Graduation Requirement Credit: Math

College Entrance Requirement (CADR): Meets (NCAA)

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

Students will explore the basic concepts and methods of Euclidean Geometry while deepening their understanding about plane and solid geometry. Course topics include reasoning and proof, line and angle relationships, two and three-dimensional figures, coordinate plane geometry, geometric transformations, surface area and volume. Core processes include reasoning, problem solving and communication.

Guitar Lab

Pre-Requisites: None

Grade: 9-12, may be repeated

Graduation Requirement Credit: Art

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary

This course is for the beginning or intermediate guitar player who would like to learn music fundamentals while exploring skills required to play the guitar. **Limited** school instruments are available, so students will be asked to provide their own guitars (unless other arrangements have been made with the instructor).

Health

Pre-Requisites: None

Grade: 9; one semester

Graduation Requirement Credit: Health

Career Pathway Cluster Options: Public Service, Multi-disciplinary, STEM

This class focuses on a variety of health concepts and skills to help you plan for personal lifelong health goals. The skills to enhance health that you will develop, demonstrate and apply include analyzing influences on health behaviors; accessing valid information, products and services; using interpersonal communication; using decision-making; using goal setting; practicing health-enhancing behaviors; and advocating for personal, family and community health. These skills will be woven into core ideas such as wellness, diseases, nutrition, safety, stress/social emotional health, substance use and abuse and sexual health.

Individualized Educational Plan (IEP) courses are designed to provide additional support for students who may have a documented disability or impairment. Schools provide special education services to students found eligible under the Individuals with Disabilities Education Act (IDEA).

IEP: Career and Academic Preparation 9/10

Pre-Requisites: Student has IEP goals in area(s) covered in this class

Grade: 9-10

Graduation Requirement Credit: Elective/IEP Driven

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

This course offers students individualized teacher directed specially designed instruction in their content eligible areas. Students complete course work, define transition goals as part of their IEP specific to areas of interest and move towards postsecondary pursuits. Students develop independent learning skills as they respond to opportunities for self-evaluation and navigation of high school responsibilities and expectations. Students learn life skills such as attendance, punctuality, organization, responsibilities, attitude and behavior management and effort and develop time management and effort, goal setting, self-monitoring, communication, note taking, test taking, textbook usage, understanding needed accommodations, and increase self-advocacy skills.

IEP: English Targeted 9 and English Targeted 10

Pre-Requisites: Student has IEP goals in area(s) covered in this class

Grade: 9 or 10

Graduation Requirement Credit: English The curriculum content is aligned with district approved curriculum.

College Entrance Requirement (CADR): Does not meet

Career Pathway Cluster Options Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

English Targeted 9 This course provides intensive reading and writing intervention for students who have a reading goal and requires specially designed instruction.

English Targeted 10 This course provides intensive reading and writing intervention. Students have a reading goal and require specially designed instruction.

IEP: Literacy Practical Level 1 and Level 2

Pre-Requisites: For high school center or included students who have IEP goals in area(s) covered in this class

Grade: 9-12, may be repeated

Graduation Requirement Credit: English or Social Studies IEP goals and objectives are addressed in both levels.

College Entrance Requirement (CADR): Does not meet

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

IEP: Literacy Practical Level 1 This course is for students with very limited decoding ability; limited expressive and/or receptive language skills. Students will build functional reading comprehension and vocabulary skills while completing readings and assignments from various reading curricula. Students will recognize and use community safety signs to encourage their independence and flexibility while in the community and vocational settings. **Entry Levels:** Emerging reading skills **Curriculum Content/Outcomes:** Functional reading and writing, sight words, supports assistive communication.

IEP: Literacy Practical Level 2 This course is for students who have very little decoding ability. Students will develop functional writing and keyboarding skills that promote the use of written communication to enhance daily living situations and relationships, and successful integration into the workplace. IEP goals and objectives are addressed. **Entry Levels:** Emerging reading skills **Curriculum Content/Outcomes:** Reading connected text, functional writing skills and sight words.

IEP: Mathematics Practical Level 1 and Mathematics Practical Level 2

Pre-Requisites: Student has IEP goals in area(s) covered in this class

Grade: 9-12, may be repeated

IEP goals and objectives are addressed in both levels.

Graduation Requirement Credit: Math

College Entrance Requirement (CADR): Does not meet

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

Entry Levels Level 1: Emerging Numeracy Skills **Curriculum Content/Outcomes:** Students will learn math skills necessary for independent living. This includes a focus on using money, sorting patterns, basic computational math skills, time management skills, using a calculator, and problem solving. The specific skill areas are determined by the needs of the individual student.

Level 2: Students will learn math skills necessary for independent living. This includes a focus on using money, sorting patterns, basic computational math skills, time management skills, using a calculator, and problem solving. The specific skill areas are determined by the needs of the individual student.

IEP: Personal Choices and Organizational Strategies

Pre-Requisites: Student has IEP goals in area(s) covered in this class

Grade: 9-12

Graduation Requirement Credit: Elective

Career Pathway Cluster Options Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

High school programs implement intensive behavior modification and therapeutic interventions in order to provide students with the skills necessary to return to the general education classroom as soon as possible. Programs provide core academic individualized education, may utilize a token economy, a level system, social skill instruction, behavior management and group therapy to provide comprehensive service delivery systems. In certain programs, students may be placed in general education only after they have completed several levels of program intervention or have met certain behavioral expectations.

IEP: Practical Health and Fitness

Pre-Requisites: Student has IEP goals in area(s) covered in this class

Grade: 9-12, may be repeated

Graduation Requirement Credit: PE or Health

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

This course provides instruction in physical health and activity. Students are exposed to stretching exercises, calisthenics and cardiovascular activities. Students participate in games, individual sports, and team sports based upon their individual needs and abilities. Students may also participate in a bicycle program using adaptive equipment geared to their physical needs. Student's IEP goals will be addressed in this class through instruction in adaptive skills.

IEP: Intern

Pre-Requisites: Student has IEP goals in area(s) covered in this class

Grade: 9-10, may be repeated

IEP goals and objectives are addressed.

Graduation Requirement Credit: CTE

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

This course of study is designed to provide an opportunity for students to experience in building field job experiences. Students will improve and/or develop behaviors in a variety of situations.

IEP: Science Modified or Social Studies Modified

Pre-Requisites: Only students with qualifying condition

Grade: 9-12, may be repeated

IEP goals will be addressed in this class through instruction in adaptive skills.

Graduation Requirement Credit: Science or Social Studies

College Entrance Requirement (CADR): Does not meet

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service

Science: This course of study is designed to provide students with information needed to understand science concepts. Reading and writing instruction is embedded in science curriculum.

Social Studies: This course of study is designed to provide students with information needed to be a responsible citizen. Reading and writing instruction is embedded in social studies curriculum.

Independent Business Project (IBP)

Pre-Requisites: Qualifying course in business and instructor permission

Grades: 9-12, may be repeated

Graduation Requirement Credit: CTE

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

IBP is designed to provide self-directed students the opportunity to plan and complete an in-depth project in a business area of their interest. The teacher will approve, monitor and evaluate the project. Students also have the opportunity to participate in DECA, the student leadership organization. Must receive instructor's permission.

Intro to Fitness

Pre-Requisites: None

Grade: 9; one semester

Note: Zero Hour class students must provide their own transportation.

Graduation Requirement Credit: Fitness

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Public Service, Multi-disciplinary, STEM

This is the first in a series of three required semesters of fitness. You will participate in a variety of activities (sports, games, fitness) where you will demonstrate competency in activity specific skills; apply knowledge of concepts, principles, strategies and tactics related to movement and performance; demonstrate knowledge and skills to achieve and maintain a health-enhancing level of physical activities and fitness; exhibit responsible personal and social behavior; and recognize the value of physical activity. You will look at your individual health behaviors and analyze your current fitness levels, demonstrate your ability to set and adjust individual goals and create and implement a personal health and fitness plan.

Not every class listed in this book will be offered every year. Classes are dependent on the availability of teachers and the number of students interested in taking the course.

Lifetime Fitness

Pre-Requisites: Successful completion of Intro to Fitness

Grade: 9-12

Note: Zero Hour class students must provide their own transportation.

Graduation Requirement Credit: Fitness

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

In this required course, you will expand on the concepts and skills in Intro to Fitness. You will refine activity specific skills, apply principles and create strategies to improve performance. You will take a leadership role and apply best practices for creating a safe physical activity environment. You will create, implement, monitor, self-assess and modify a personal fitness and nutrition plan. The fitness center and heart rate monitors will be used to monitor progress towards fitness goals.

Lifetime Fitness - Weights

Pre-Requisites: Successful completion of Intro to Fitness

Grade: 9-12

Note: Zero Hour class students must provide their own transportation.

Graduation Requirement Credit: Fitness

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

This course meets the Lifetime Fitness credit requirement. You will refine activity specific skills, apply principles and create strategies to improve performance. You will take a leadership role and apply best practices for creating a safe physical activity environment. You will create, implement, monitor, self-assess and modify a personal fitness and nutrition plan. The weight room and heart rate monitors will be used to monitor progress towards fitness goals. You should leave this class with a great fitness plan and a love for healthy living.

Orchestra - Advanced

Pre-Requisites: Audition is required. Participation requires commitment to performing both in & outside of the school day.

Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning that may be charged.

Graduation Requirement Credit: Art

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary

This select orchestra consists of strings students who have a strong instrumental music background (other orchestral instruments will sometimes be added by the instructor). Students will get a chance to sharpen their skills through challenging music and performances. All styles of orchestra music will be performed. Opportunities to perform include (but are not limited to) festivals, contests and concerts.

Orchestra – Intermediate (Concert)

Pre-Requisites: None

Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning that may be charged.

Graduation Requirement Credit: Art

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary

Students who play string instruments should enroll in this class (other orchestral instruments will sometimes be added by the instructor). Fundamentals of orchestra techniques are introduced and explored. This is a great class to sharpen performance skills in order to audition for the select, more advanced ensemble. Various styles of orchestra music are performed. Opportunities to perform include (but are not limited to) festivals, contests, sporting activities and concerts.

Photography (Digital)

Pre-Requisites: None

Grades: 9-12, may be repeated

College credit available with our articulation agreement

Graduation Requirement Credit: Art, CTE

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

- *Have fun taking pictures of your friends while learning basic photography skills...create wonderful portraits.*
- *Learn the latest software techniques and skills to modify and enhance your pictures...create works of art.*
- *Learn basic art elements, principles of design and photography composition to improve all your pictures...learn more advanced techniques.*
- *Create a portfolio of your favorite pictures...increase your employability.*
- *Enhance your pictures using lighting in our own studio.*

You will take pictures and complete projects in our own studio. You will learn the fundamentals of digital cameras. Projects are centered around picture taking, lighting, lenses, scanning images and work in black and white and in color, with a greater emphasis on real world applications. You will also become an expert in Adobe Photoshop. Students will build a portfolio and will learn to do many things that relate to crafting digital imaging. All printing and processing of images will be done at computers and printers with Adobe Photoshop.

Project Lead The Way (PLTW) Biomed: Principles of Biomedical Science

Pre-Requisites: None

Grades: 9-12

Graduation Requirement Credit: CTE, Science

College Entrance Requirement (CADR): Meets (NCAA)

Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service, STEM

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Project Lead The Way (PLTW) Engineering: Introduction to Engineering Design

Pre-Requisites: None

Grades: 9-10

Graduation Requirement Credit: CTE

Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service, STEM

Students dig deep into the engineering design process, applying math, science and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and use an engineering notebook to document their work.

Project Lead The Way (PLTW) Principles of Engineering

Pre-Requisites: Algebra 2 or concurrent enrollment in Algebra 2

Grades: 9-10

Graduation Requirement Credit: CTE

Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service, STEM

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Sports Medicine

Pre-Requisites: None

Grades: 9-12, may be repeated

Graduation Requirement Credit: CTE, Science

Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service, STEM

The Sports Medicine course is designed to teach students components of exercise science/sports medicine including exploration of therapeutic careers, medical terminology, anatomy, physiology, first aid, injury prevention, the healing process, rehabilitation techniques, therapeutic modalities and sports nutrition.

Stagecraft

Pre-Requisites: None

Grades: 9-12, may be repeated

Graduation Requirement Credit: CTE

Career Pathway Cluster Options: Arts and Humanity, Business and Industry, Multi-disciplinary

This technical, hands-on class takes students into the backstage world of theatre. Students learn how to operate the auditorium sound and light boards for outside events including plays, concerts, recitals and meetings. Some paid events are available to stagecraft students. Students will also learn how to operate power tools and construct sets, props, set pieces and more. Other units include design in lighting, sound, special effects, props, set, art, costuming, makeup, publicity and hospitality.

Theatre – Beginning, Intermediate, Advanced

Pre-Requisites: None

Pre-Requisites: Intermediate/Advanced: Beginning Theater or 1-2 years theatre experience, teacher permission

Grade: 9-12, may be repeated

Graduation Requirement Credit: Art

College Entrance Requirement (CADR): Meets

Career Pathway Cluster Options: Arts and Humanity, Business and Industry, Multi-disciplinary, Public Service

Beginning: This beginning course is designed to develop acting skills and gain a general knowledge of the theater world. Special emphasis is directed toward concentration and development of characterizations. This is a group activity class in which all students take an active part.

Intermediate: This course takes a deeper look into the fundamental skills and techniques used in the theater. Special emphasis is directed toward development of more advanced characterizations, basic set design, costuming and make-up.

Advanced: This course takes a deeper look into all areas of the theater. First semester will involve study in the areas of make-up, set design, set construction, costumes, properties, acting, types of theater and directing. Second semester will involve the practical application of the material learned during the first semester. Participation requires a commitment to performing both in class and outside of the school day.

Woods (Manufacturing/Material Processing Woods and Composites Technology)

Pre-Requisites: None

Students are responsible for the cost of the materials for their projects.

Grades: 9-12

Graduation Requirement Credit: CTE

Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, STEM

Wood is often considered the “master” building material. The first thing you made and viewed with pride was probably constructed with wood. This course will introduce you to the machines used to make woodworking easier. Students will learn safety for protection, methods of construction to assist in engineering the maximum strength and utility of wood projects for the minimum expenditure of time and money. This course is designed to give students the understanding of manufacturing principles and the role of processing material.

Not every course listed in this book will be offered every year.

Classes are dependent on the availability of teachers and the number of students who are interested in taking the class.

World Language- Sign Language (ASL)

Pre-Requisites: None

Grade: 9-12

Graduation Requirement Credit: Elective

College Entrance Requirement (CADR): Meets (☑ NCAA)

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

Welcome to American Sign Language! This course is designed to explore and discover ASL and Deaf culture. ASL is approved by the College Board to meet the foreign language college entrance requirement. In this class you will learn to develop communication skills using your hands, face, body, eyes and personal space! You will learn basic vocabulary, grammar, and culturally appropriate uses of ASL through everyday conversation. This course will encourage small and large group activities to develop proficiency in expressive and receptive communication while building an awareness and appreciation for Deaf culture. Learn to “hear” with your eyes!

World Language - Year 1 French, Japanese, Spanish

Pre-Requisites: None

Grade: 9-12

Graduation Requirement Credit: Elective

College Entrance Requirement (CADR): Meets (☑ NCAA)

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

The first year is a highly communicative introduction to the language. As a student, you will learn to understand and converse in real life situations using authentic expressions. You will be able to order food, shop, find your way around a foreign city and make new friends. You will read short stories and articles, learn to pronounce the language, and write everything from postcards to paragraphs. As you immerse yourself in the culture and customs of the language, you will begin to develop an appreciation of its music, art, foods and folklore.

World Language - Year 2 French, Japanese, Spanish

Pre-Requisites: Successful completion of a 1st year World Language

Grade: 9-12

Graduation Requirement Credit: Elective

College Entrance Requirement (CADR): Meets (☑ NCAA)

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

Second year study enables students to expand vocabulary and delve further into grammar study. As you increase your ability to understand, you will be speaking with more confidence and complexity. In addition, you will read short selections and stories at more advanced levels. Classwork will be conducted in the language as much as possible to provide practice in expression and comprehension. Your cultural awareness expands through a multimedia, hands-on approach.

World Language - Year 3 Honors French, Japanese, Spanish

Pre-Requisites: Successful completion of a 2nd year World Language; pre-course summer assignment

Grade: 9-12

Graduation Requirement Credit: Elective

College Entrance Requirement (CADR): Meets (☑ NCAA)

Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Multi-disciplinary, Public Service, STEM

Let the fiesta begin! The third year of language is when all the pieces of language come together. You will read great literature, watch and comprehend foreign films, surf the net, and be able to truly connect with native speakers. Third year language study offers students the opportunity to go beyond the basics and attain a higher level of fluency and competency in all language skills. Activities may include creative, self-directed projects and presentations. Students will be encouraged to communicate predominately in the language. Students will read authentic pieces of literature, watch and comprehend foreign films, learn sophisticated vocabulary, grammar, syntax and speak and learn totally in the target language.

Note: some universities require three years of a world language for admission.

Yearbook Photography/Journalism/Art

Pre-Requisites: Application and Instructor Permission

Grades: 9-12, may be repeated

Graduation Requirement Credit: CTE

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- ✓ *Do you like to take pictures or to report on school events/activities?*
- ✓ *Are you interested in a career in photo/journalism?*
- ✓ *Do you want to be part of the yearbook team?*
- ✓ *Much of the work completed independently outside of school and/or class time.*

Yearbook allows you to make friends and be a part of a team of photographers, journalists and artists that take pride in the publication of **the Exeter**. Learn the fundamentals of Adobe Photoshop and Adobe In-Design, which are industry software standards. Projects center on picture taking, getting the story and designing spreads for the yearbook. Students must be willing to put in extra hours, must be creative, dedicated, show graphic art abilities and be responsible about making deadlines. Making extra effort to get the story and write beyond the obvious is something we strive for on every page.

Special Programs

iCAN: The iCAN (Individual Credit Advancement Now) program provides online credit recovery opportunities using special web-based coursework developed by SVL. iCAN classes help students meet their on-time graduation goals. Classes are available during the school day and after school.

SVL: The Spokane Virtual Learning (SVL) program is a web-based educational project that provides instructor-led online courses to students. SVL presents students with an interactive learning experience, not a textbook online.

EXAMPLES of CORE class sequence to take each year of high school
(read the pre-requisites for classes)

***teacher recommendation only*

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English	English 9 English 9 Honors	English 10 English 10 Honors	English 11 AP English Language	Bridge to College English English 12: Creative Writing English 12: Mythology English 12 Writing on Film AP English Literature
Math	Algebra 1	Geometry	Algebra 2 Intermediate Math**	Math 107 AP Statistics Pre-Calculus Algebra 2
	Geometry	Algebra 2	Pre-Calculus (Honors)	AP Calculus AB/BC AP Statistics
	Algebra 2	Pre-Calculus (Honors)	AP Calculus AB/BC AP Statistics	AP Calculus AB/BC AP Statistics
History	None	World History AP European History AP World History	OPTIONS: US History US History Perspectives AP US History AP Seminar Capstone (Civics/CWA)	OPTIONS: Civics/CWA AP US Govt'/AP Comp Gov't AP Research Capstone AND US Hist/US Hist Perspectives (if not taken in 11 th)
	AP World History	(take another AP courses)		
Science	Biology	Chemistry Environmental Chemistry** Anatomy and Physiology AP Biology Physics Sports Medicine	<u>OPTIONS: available for 11th</u> AP Biology AP Chemistry AP Environmental Science AP Physics Sports Medicine-Advanced	<u>and/or 12th</u> Anatomy and Physiology Chemistry Applied Field Science Physics
	PLTW Biomedical 1	PLTW Biomed 2 + additional science recommended	PLTW Biomed 3 + additional science recommended	PLTW Biomed 4 + additional science recommended
	PLTW Engineering 1 (not a science credit)	PLTW Engineering 2 Physics	PLTW Engineering year 3 or year 4 (not a science credit)	PLTW Engineering year 3 or year 4 (not a science credit)

Fine Arts Choices (2 credits required)		Career & Technical (CTE) Choices (1 credit required)	
AP Digital Photo	Drawing, Painting, Sculpting	AP Computer Science	Manf/Material Proc (Woods)
Bands	Guitar Lab	Business/Marketing 1-4	PLTW Biomed 1-4 years
Ceramics	Orchestra	Child Development	PLTW Engineering 1-4 years
Choirs	Percussion	Digital Photo (AP)	ProStart
Digital Photo	Theatre	Early Childhood	Sports Med (Adv)
Drawing		Filmmaking	Stagecraft
		Foods and Nutrition	TV/Video Production (FIN)
			Yearbook

Examples of elective classes to take each year of high school....

	9th Grade	10th Grade	11th Grade	12th Grade
Business	Business and Marketing	Business and Marketing Adv. Business-Marketing	Store Operation & Mgmt Ind Business Project	Adv. Business-Marketing Ind. Business Project AP Stats
Computers			AP Computer Science	AP Computer Science
Culinary	Foods & Nutrition/ International Foods	ProStart 1	ProStart 2	ProStart Intern
Digital Photo	Digital Photography Yearbook	Digital Photography Yearbook	Digital Photography AP Studio 2D: Photo Yearbook	Digital Photography AP Studio 2D: Photo Yearbook
Education	Child Development	Early Childhood Education	Early Childhood Educ AP Psychology	Early Childhood Educ AP Psychology
Filmmaking	Filmmaking	Filmmaking	TV Broadcast (FIN) Writing on Film	TV Broadcast (FIN) Eng 12: Wrtg on Film
Fine Arts #1 (art)	Drawing/Sculpt/Painting Drawing	Ceramics/Adv Ceramics Painting	Drawing or Painting AP Studio 2D	AP Studio 3D Ceramics/Adv Ceramics
Fine Arts #2 (instrumental)	Band-Intermediate Orchestra-Intermediate Jazz Band Percussion Ensemble Guitar Lab	Band-Wind Ensemble Orchestra-Advanced Jazz Band Percussion (Adv) Guitar Lab	Band-Wind Ensemble Orchestra-Advanced Jazz Band Percussion (Adv) Guitar Lab	Band-Wind Ensemble Orchestra-Advanced Jazz Band Percussion (Adv) Guitar Lab
Fine Arts #3 (choir/vocal)	Intermediate Jazz Choir	Symphonic Adv Sm Vocal Ens (Belles) Jazz Choir (Camerata) Choir (Lunch Bunch) Int Vocal Ens (Knights) Vocal Ensemble (Show)	Symphonic Adv Sm Vocal Ens (Belles) Jazz Choir (Camerata) Choir (Lunch Bunch) Int Vocal Ens (Knights) Vocal Ensemble (Show)	Symphonic Adv Sm Vocal Ens (Belles) Jazz Choir (Camerata) Choir (Lunch Bunch) Int Vocal Ens (Knights) Vocal Ensemble (Show)
Leadership	Debate AVID 9	Debate AVID 10	Leadership Debate AVID 11	Leadership Debate AVID 12
PLTW-Biomed	Principles of Biomed	Human Body Systems	Medical Interventions	Biomedical Innovation
PLTW-Pre- engineering	Intro to Engineering Design	Principles of Engineering	Civil Engineer Architecture Aerospace Engineering	Aerospace Engineering Civil Engineer Architecture
Theatre	Theatre-Beginning Stagecraft	Theatre -Intermediate Stagecraft	Theatre -Advanced Stagecraft	Theatre -Advanced Stagecraft
Woods (manufacturing)	Woods	Advanced Woods	Advanced Woods	Advanced Woods
World Languages (Spanish in junior high, 5th year possible)	ASL 1 French 1 Japanese 1 Spanish 1	ASL 2 French 2 Japanese 2 Spanish 2	French 3 Honors Japanese 3 Honors Spanish 3 Honors	French 4 Honors/AP Japanese Honors/AP Spanish Honors/AP
“Sampler” Elective (any combination)	Woods Percussion Various Bands/Choirs Theatre	Foods/Nutrition Child Development Guitar Lab Various Bands/Choirs Drawing/Sculpt/Painting	Filmmaking Ceramics Various Bands/Choirs Foods and Nutrition	Photo Drawing AP Studio 3D Various Bands/Choirs Yearbook <i>(etc.)</i>