

Ferndale High School

9TH GRADE COURSE CATALOG 2023-2024



9TH GRADE SUCCESS

9TH GRADE YEAR: THE “MAKE OR BREAK” TRANSITION YEAR

The importance of 9th grade year cannot be overemphasized! Through decades of cross-disciplinary research, linked here <https://highschoolsuccess.org/research/>, it is widely known that success in 9th grade is the #1 predictor of high school graduation! Students who are “**on-track**” at the end of their 9th grade year (i.e. students who earn at least one-fourth of the required credits needed for four-year graduation and who receive zero NCs) are four times more likely to graduate from high school than their off-track peers. In fact, the 9th grade on-track metric is more predictive of a student’s likelihood of graduating than their race/ethnicity, poverty level, IEP/504 status, and test scores combined.

9TH GRADE SUCCESS TEAM & ON-TRACK RATE

As of the 2021-2022 school year, Ferndale High School has received a grant and partnered with the Center for High School Success to implement its own 9th Grade Success Team. By implementing the “Freshman Success Approach” developed by the University of Chicago Network for College Success, **Ferndale High School has increased its 9th Grade On-Track Rate by approximately 10% in just one academic year (65.7% to 75.4%)**. The highest on-track rate in Ferndale’s recorded history! Our current On-Track Rate from Semester 1 of 2022-2023 is 71%. The goal is to reach 80% in the coming academic year.

Current 9th Grade Success Team Members include: *Sierra Hills, JJ Jensen, Lauriel Bybee, Savannah Verduyse, Kelsey Ottum, Mia Owings, Peter Finstuen, Stephen Carlson, Eric Peterson, Jacob Brittle, Misty Rainwater, and our CHSS Coach Dr. Doug Judge*. This team meets biweekly to review and analyze 9th Grade Data (grades, attendance, NCs by courses and programs and demographics, off-track students), brainstorm interventions, and collaborate with other teams to improve tiered systems of support.

CHOOSING CLASSES FOR 9TH GRADE YEAR

While using this Course Catalog, please keep in mind 9th grade year is the year to focus on planning for High School & Beyond. The courses you choose in 9th grade will set you up for success later on! Therefore, this is the time to explore potential interests and start checking off graduation requirements.

REQUIRED 9TH GRADE COURSES

(Courses Arranged by subject)

ENGLISH

ENGLISH 101 AND 102

PREREQUISITE: NONE

GR: 9-12 REQ: FRESH ENGLISH REPEATABLE: NO

YR LONG ENG 101+ENG102

This is a required year-long English course. This Course includes literature, and writing combined in these three units: short story, non-fiction, and novels. Students will study mass media techniques and will write multi paragraph papers analyzing their reading during second semester. They will continue to develop their writing skills while studying drama and a novel.

MATH

ALGEBRA FOUNDATIONS

PREREQUISITE: PLACEMENT BY TEST SCORES & TEACHER REC.

GR: 9 & 10 REQ: ELECTIVE REPEATABLE: NO

YR LONG PLACEMENT

Students review Pre-algebra topics and study the first semester of Algebra 1 including writing and solving equations, graphing lines, area, perimeter, and the distributive property. Students focus on effective study habits and practices in mathematics with an emphasis on laying the groundwork for success in future math. **A scientific calculator is required (example TI-30).**

ALGEBRA 1

PREREQUISITE: NONE

GR: 9-11 REQ: ALG 1 REPEATABLE: NO

YR LONG--PLACEMENT

During the first semester of this course, the student will learn to use and understand the language and methods of algebra that are essential in learning all branches of mathematics, including the idea of a function. The emphasis will be on problem-solving with linear models in particular, using equations, graphing, and tables. During the second semester, students will explore similar ideas under nonlinear models and extend to systems and inequalities. **A scientific calculator is required (example TI-30).**

GEOMETRY

PREREQUISITE: ALGEBRA 1

GR: 9-12 REQ: GEOMETRY REPEATABLE: NO

YR LONG PLACEMENT

This course builds on students' intuitive understanding of shapes and angles towards the discovery and investigation of new and complex combinations and characteristics thereof. Logic and justification of reasoning based on previously determined facts are a significant component of the course. Problems in context are used to build conceptual understanding and to practice concepts learned. **A scientific calculator is required (Example TI-30).**

ALGEBRA 2 — MAY be added by placement based on successfully completing geometry and algebra 1 in middle school.

PE & Health

HEALTH 9

PREREQUISITE: NONE

GR: 9-12 REQ: HEALTH REPEATABLE: NO

SEM LONG PLACEMENT

Do you like yourself? Can you handle stress? Do you know the characteristics of good health? Would you be able to perform CPR to save a heart attack victim? This course explores a variety of topics such as drugs, nutrition, family living, and disease that will help you to make responsible decisions related to your health. One semester of Health is required of Ferndale High School students. The purpose of this course is to provide students an opportunity to make responsible decisions related to their physical, mental, and social well-being.

PHYSICAL EDUCATION

PREREQUISITE: NONE

GR: 9-12 REQ: PE REPEATABLE: YES

SEMESTER LONG—SEE CODES BY SPECIFIC CONTENT

A wide selection of activities will be offered throughout the school year:

FITNESS & WEIGHT TRAINING—PHY123/PHY124

This class emphasizes total conditioning achieved through a mixture of strength, cardiovascular endurance, and flexibility. The course incorporates weight training, running, walking, fitness activities, stretching, and overall body conditioning.

RUNNING & WEIGHT TRAINING—PHY125/PHY126

This course is designed to improve fitness levels through running and participating in various weightlifting routines. The goals of this course are to encourage running as an enjoyable, lifelong fitness activity, as well as promote total body conditioning through activities that improve cardiovascular endurance and total body strength.

YOGA & WALKING—PHY121/PHY122

This course is designed to improve individual fitness levels through a variety of activities designed to encourage healthy lifelong fitness habits. Students will engage in a variety of activities, with an emphasis on walking and yoga routines, to improve cardiovascular endurance, flexibility, core and total body strength, and body composition. Students must come prepared for both indoor and outdoor activities on a daily basis and have appropriate attire for walking in various weather conditions.

DANCE FITNESS—PHY129/PHY130

Do you like to dance? Join this class and get ready to have some fun while moving to current pop hits! You will get a great workout while improving coordination, balance, and over-all well-being. No dance experience needed. All levels welcome!

LIFETIME ACTIVITIES—PHY101/PHY102

This class is designed for those students that enjoy both team games as well as individual sports. The goal of this course is to promote physical fitness through a variety of fitness activities and sports units. The activities and games will be based on facilities, weather, and teacher availability. Activities and games may include: Flag Football, Soccer, Basketball, Volleyball, Floor Hockey, Softball, Ultimate Frisbee, Team Handball, Tennis, Badminton, and Pickle Ball. Sport education will be discussed and reviewed in detail. A 20-30 minutes fitness component is included in all activity/individual sports classes.

ADVANCED WEIGHT TRAINING

GR: 9-12 REQ: PE REPEATABLE: YES

PREREQUISITE: Completed a prior weight training class and teacher approval

SEMESTER LONG PHY250/PHY251

This is a weight training class that will focus on more of the Olympic style lifts while helping students manage their time in the weight room to help maximize their improvement. Pushing yourself each and every day is the expectation in this class.

SCIENCE

BIOLOGY

GR: 9 REQ: LAB SCIENCE REPEATABLE: NO

PREREQUISITE: NONE

YR LONG SCI241+SCI242

Biology content is based upon the life science standards of the Next Generation Science Standards (NGSS) integrated with earth science. Biology is a laboratory science course where students actively engage in science and engineering practices to study: the structures and processes of molecules and organisms; the interactions, energy, and dynamics of ecosystems; heredity and biological evolution. Full participation in this course is essential to a student's preparation for the Washington Comprehensive Assessment of Science taken in 11th grade.

ENVIRONMENTAL SCIENCE -- AP

GR: 9-12 REQ: LAB SCIENCE REPEATABLE: NO

PREREQUISITE: 9TH GR B OR BETTER IN MIDDLE SCHOOL SCI + RECOMMENDED IN ALG 1 OR HIGHER YR LONG SCI279+SCI280

AP Environmental Science content is based upon the life science standards of the Next Generation Science Standards (NGSS) integrated with earth and environmental science. AP Environmental Science is a laboratory science course where students actively engage in science and engineering practices to study: scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Full participation in this course is essential to a student's preparation for the Washington Comprehensive Assessment of Science taken in 11th grade. This course may be taken concurrently with all other science courses at FHS.

SOCIAL STUDIES

WORLD HISTORY

Gr: 9-12 REQ: WORLD HIST REPEATABLE: NO
YR LONG HIS677+HIS678

PREREQUISITE: NONE

World History - the story of Human Invention and Discovery is a two-semester course for ninth graders. This course will explore world history through a conceptual approach. Students will learn about historical patterns and connections focusing on Europe, Asia, Africa, the Far East, Pacific Peoples, and other world cultures. Students will study the geography and movement of peoples from the European Renaissance to the present-day struggles for democracy.

9TH GRADE ELECTIVE COURSES

(arranged alphabetically)

ACADEMIC WORKSHOP 9-10

Gr: 9-10 REQ: ELEC REPEATABLE: YES
SEM LONG MIS101

PREREQUISITE: NONE

Have you ever wanted a class that would address your whole academic experience? This class will allow you time to understand and refine necessary skills for high school, develop habits of mind and work on the demands of your other classes. Each period will be a workshop with a teacher guided mini-lesson focused on a skill or habit of mind. In addition, time each day will be dedicated to independent work time with peer and teacher support focused on your personal goals.

ADAPTIVE MUSIC

Gr: 9-12 REQ: ART REPEATABLE: NO
SEM LONG MUS190

PREREQUISITE: NONE

In this class all students will have access to music-making that is age appropriate as well as developmentally appropriate. We will explore the different genres of music through listening. We will work on music skills such as steady beat, dynamics, tempo, and pitch through activities like bucket drumming, rhythm stick playing, solfege hand signs, and movement with music. We will develop individual musical skill through singing and beginning keyboarding. Students will have an opportunity to put on a recital where they will show individual musical expression. This course is for students in Life Skills, students with IEP's, and anyone who is interested in learning about music at their own pace. Peer tutors may also choose to work in this class to develop mentorship skills.

ADVANCED DESIGN AND CONSTRUCTION

Gr: 9-12 REQ: CTE REPEATABLE: YES
SEM LONG IND443/IND444

PREREQUISITE: DESIGN AND CONSTRUCTION

This course is designed to reinforce skills learned during design and construction. Students will be given advanced challenges in problem-solving, and wood working design. Emphasis will be placed on skill refinement and individual systems, including composites manufacturing. Costs will vary depending on projects selected. This course may be repeated for credit.

ADVANCED MARKETING

Gr: 9-12 REQ: CTE REPEATABLE: YES
SEM LONG Bus202

PREREQUISITE: Marketing Introduction OR Social Media Marketing

This advanced course is designed to build upon the principles learned in Intro to Marketing and the Social Media Marketing class. Students will develop individual marketing projects based on their personal interests. Class projects will reflect student interests in business. Students will develop and experience new levels of creativity and produce portfolios that will take them to the next level.

AGRICULTURE SCIENCE 1

Gr: 9-12 REQ: LAB SCIENCE OR CTE. REPEATABLE: NO
SEM LONG VOC141

PREREQUISITE: NONE

From apples to animals and field trips, we have it covered in this class! Would you enjoy taste testing apples? Have you ever wondered how you turn your love of plants and animals into your dream job? Want to take a try at livestock judging and animal ID? If you answered yes to any of the above, then take a journey through this dynamic & exploratory Agriculture Science I class...start by going on our annual field trip tour de Whatcom! Discover crops grown in Washington State, earn an appreciation for local agriculture and related jobs right here at home. Learn about FHS's amazing FFA program and career development events, mentor during project pals at local elementary schools, design Ag posters...and wrap up the semester with a handmade bow on your custom-built evergreen wreath you'll be proud to take home.

AGRICULTURE SCIENCE 2

GR: 9-12 REQ: LAB SC OR CTE REPEATABLE: NO

PREREQUISITE: AGRI-SCIENCE 1

SEM LONG VOC142

Do you love french-fries & homemade ice cream? Let's make our own! Puppies got your heart? Volunteer with Ferndale's Doggie Daycare at Ferndale High! Want to learn how to raise young animals. Enjoy a field trip to a local buffalo ranch as well as team up with the Alternative Humane Society on how to train and care for your kittens and puppies. Interested in drones? Learn firsthand how they are being used in agriculture. Have a green thumb? Take a field trip to our local nursery and investigate soil. Plant seedlings in the FHS Greenhouse & take home your own beautiful hanging basket!
#idipmyfrenchfriesinmyicecream #gotdirt #doggydaycare

ANIMAL SCIENCE

GR: 9-12 REQ: CTE or Lab Sci REPEATABLE: NO

PREREQUISITE: AG-SCIENCE 1

SEM LONG VOC135

This class is for anyone who has an interest in animals and no experience is required. The course will focus on the scientific and hands-on principles of animal husbandry and will give you a basic knowledge of sound animal production practices and strategies. You will learn about animal behavior, training, and handling. You will also learn about topics such as animal reproduction, artificial insemination, proper care and feeding, beef cattle management. You will have the opportunity to raise and train as well as fit and show an animal at the Lynden fair or choose another supervised agriculture Experience.

AQUACULTURE

GR: 9-12 REQ: LAB SCIENCE OR CTE (ONE TIME) REPEATABLE: ONCE

PREREQUISITE: NONE

SEM LONG VOC100

In Aquaculture, learn how to raise fish through hands on, project-based learning. Design and set up aquariums, hatch trout eggs and raise them to maturity. Design and set up your own micro farms with hydroponics and aquaponics. Learn about fish as a natural resource, sport fishing and building fishing rods. The on-campus warm and cold-water tanks will be maintained by members of the class, so appropriate clothing is required.

ART 1

GR: 9-12 REQ: ART REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG ART141

Students in this class will be prepared with the vocabulary and technical skills using the elements and principles of art to make connections in historical and cultural art contexts. With a focus on the areas of drawing, painting, and design; students will learn skills needed to communicate in and respond to the visual world while developing an awareness of creative expression and artistic style.

ART 2

GR: 9-12 REQ: ART REPEATABLE: NO

PREREQUISITE: ART 1

SEM LONG ART142

This course is the second semester in the sequential art series. Art 2 helps each student broaden and refine their skills, while encouraging them to take artistic risks and improve their ability to communicate visually. Students will also initiate a greater emphasis on self-motivation and personal expression. Students will be expected to have 2 or more portfolio pieces by the end of the semester and should be successful in Art 2 before moving on to Advanced Art Workshop.

BALLROOM DANCING

GR: 9-12 REQ: ART OR PE ONE SEM ONLY REPEATABLE: FOLLOWING YEAR

PREREQUISITE: NONE

SEM LONG DAN101

This introduction to ballroom dance will emphasize basic patterns and fundamental steps of popular styles such as swing, fox trot, waltz, tango, salsa and cha-cha. The students will get to demonstrate mastery of these styles through choreographed and improvised class performances. Common rules of dance courtesy and a brief overview of ballroom dance history will be included. Music or dance background is not necessary. This course will meet the requirement for a Fine Arts credit.

BEGINNING/INTERMEDIATE GUITAR

GR: 9-12 REQ: ART REPEATABLE: YES

PREREQUISITE: NONE

SEM LONG MUSGU1/MUSGU2

This course is designed for beginners and students with some prior experience to learn the basics of guitar and music theory. This course will focus on basic chords, both tablature and note reading, learning how to count rhythms, and broaden basic skills with student song choices. A limited number of school guitars are available to use, but students are encouraged to supply their own acoustic guitar if possible.

BEGINNING PIANO/KEYBOARDING

GR: 9-12 REQ: ART REPEATABLE: NO
SEM LONG MUS140

PREREQUISITE: NONE

In this class, students will learn the basic skills necessary to play the piano. We will learn the note names and basic music reading skills. We will learn about hand positions. We will learn about reading melody lines and playing with chords and lyrics. No experience necessary. Students already studying piano may take this class as a peer mentor with some time for practicing. Shared keyboards will be provided in-class, but not for take-home.

BUSINESS COMPUTING INTRODUCTION

GR: 9-12 REQ: CTE REPEATABLE: YES
SEM LONG BUS236

PREREQUISITE: NONE

Introduction to word processing, electronic spreadsheets, databases, presentation software, and e-communications using MS Office. Students can earn MS Office certifications, and these certifications can help you when you are looking for a job or continuing to advanced degrees in education.

DESIGN AND CONSTRUCTION

GR: 9-12 REQ: CTE REPEATABLE: NO
SEM LONG IND441

PREREQUISITE: NONE

This course is designed to introduce students to problem-solving, creative design, and manufacturing processes. Units covered will include safety, tool and machine operation, design/carpentry/manufacturing processes, and the application of critical thinking and problem-solving. Emphasis will be placed on the construction of assigned and student-selected projects/products.

DRUMMING INTRO

GR: 9-12 REQ: ART REPEATABLE: NO
SEM LONG MUS113

PREREQUISITE: NONE

This course is for that person who has always want to play the drums but has never had the opportunity. This semester long class focuses on how to find a steady beat, the techniques of playing various drums and even some music reading. Before the semester is over each student will learn to play on a basic level the drum set, African drums, marching percussion, tambourines, shakers, cymbals and much more.

ENGINEERING DESIGN 1

GR: 9-12 REQ: CTE REPEATABLE: NO
SEM LONG IND401

PREREQUISITE: NONE

This is an introductory course in computer aided design, engineering and problem solving. In this exciting, fast-paced course, students learn the basics of 3D modeling and product development. They learn to apply the design process from problem statement to finished solution, including building prototypes with the 3D printer and CNC router.

ENGINEERING DESIGN 2

GR: 9-12 REQ: CTE OR ALT 3RD YR MATH REPEATABLE: NO
SEM LONG IND402

PREREQUISITE: ENGINEERING DESIGN 1

This is a continuation of Computer Aided Design I. In this section students learn advanced 3D modeling techniques including the basics of animation and vehicle design. Students will have the opportunity to build several working prototypes using the 3D printer and CNC router in order to test their design solutions.

EXPLORING COMPUTER SCIENCE

GR: 9-12 REQ: CTE REPEATABLE: NO
SEM LONG BUS216

PREREQUISITE: ALGEBRA 1

This course focuses on computer theory, computing problems and solutions, and the design of computer systems and user interfaces from a scientific perspective. Includes instruction in the principles of computational science, computer hardware, web design, programming and algorithms, data types and artificial intelligence.

FRENCH 1

GR: 9-12 REQ: ELECTIVE REPEATABLE: NO
YR LONG WLA211 + WLA212

PREREQUISITE: NONE

This is an introductory course for students interested in learning to read, write, pronounce and understand the French language. Emphasis is placed on learning the basic skills, and to begin developing a proficiency in the language. This is a rigorously academic course that builds upon the skills developed daily. Students who choose to study a language must realize that this is a college-prep course and good study habits are essential to developing a proficiency in the language. Students must be willing to readily engage and talk with their classmates daily. Oral participation is required, and students need to try their best to practice French in order to truly acquire the language. French culture will be introduced throughout the course regarding music, food, crafts, and more.

GRAPHIC DESIGN 1

GR: 9-12 REQ: ART OR CTE REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG ART131

GRAPHIC DESIGN (formerly known as Photo & Design) is a creative process that combines art and technology to communicate ideas. This is an introductory course where students will learn the basics of Graphic Design using industry standard software (Adobe Illustrator and Adobe Photoshop) and Mac computers in a classroom environment that simulates a real-world design studio. Students will use the elements and principles of art and will explore various methods to create and combine words, symbols, and images to create a visual representation of ideas and messages. Emphasis is placed on software operation, the creative process, project management and good work habits. Professionals use the concepts explored in this course in the following disciplines: advertising, graphic design, web design, illustration, broadcast design, photography, game design and many others.

HEALTHCARE APPLICATION IN SPORTS MEDICINE

GR: 9-12 REQ: CTE OR LAB SCI

REPEATABLE: NO PREREQUISITE: NONE

YR LONG Voc311 +Voc312

HASM is designed to give students an opportunity to gain knowledge and skills in a healthcare field and apply them in a practicum setting within FHS. Students will have the opportunity to explore the Sports Medicine field and related allied health professions in a year-long course that will share time in both the classroom and the Sports Medicine/ Athletic Training Room. Students will learn applicable healthcare skills in emergency care, basic anatomy and physiology, prevention, care and rehabilitation of injuries, sports nutrition, strength and conditioning, and health-related issues to be used in a wide variety of future healthcare professions including but not limited to nursing, physical therapy, general medicine, family medicine, diagnostics (Xray, MRI, ultrasound) and emergency medical services. The major emphasis of the class is to acquire the skills in clinical situations and to help the student become more aware of the various allied health professions. ***Beginning Sports Medicine students are required to complete 60 hours per semester in the Sports Medicine/ Athletic Training Room (SMATR) after school and/or during athletic events or within a supervised internship. Students obtain an extra course credit in Sports Medicine Practicum for the extra time (Pass or No Credit, not letter grade).***

HISTORY OF ROCK & ROLL

GR: 9-12 REQ: ART REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG MUS111

This course is designed to be an introduction and exploration of the history of Rock and Roll throughout each era of music. Genres explored will include blues, jazz, classic rock, alternative, country, hip-hop, pop, punk, and heavy metal, among others. Students will familiarize themselves with standout groups and artists and music of each era, making the connection of how each have influenced and are connected to modern music of today. Activities will include listening, analyzing, watching videos, reflections, class discussions, research, and presentations.

HORTICULTURE 1

GR: 9-12 REQ: CTE OR LAB SCI REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG VOC105

This course explores horticulture, the world of plants and flowers. Greenhouse time is included for growing and propagating selected as a semester project. Through this, you will have the opportunity to gain hands-on knowledge and greenhouse experience. Other areas of course work include exploring jobs in the field of horticulture, plant identification, plant anatomy, and plant physiology and propagation. Students will have the opportunity to develop a Supervised Agriculture Experience (S.A.E.) Project and participate in FFA leadership activities. This course is the pre-requisite for Horticulture 2 and students must earn a passing grade to advance.

HORTICULTURE 2

GR: 9-12 REQ: CTE OR LAB SCI REPEATABLE: YES

PREREQUISITE: Passing Grade in Horticulture 1

SEM LONG VOC108

This course explores the greenhouse environment and how it relates to growing a wide array of annual flowers, vegetable starts, and hanging baskets. Students will gain firsthand greenhouse management experience by growing their own crops that will be sold at the spring FFA Plant Sale! It is offered second semester and is designed to explore more areas of horticulture for students who have successfully fulfilled the pre-requisite of Horticulture 1, and it applies knowledge and skills learned in Horticulture 1. Hands-on experience includes entomology, soils, fertilizing, floral designs, plant propagation, greenhouse management, gardening and vegetables, leadership/FFA, and other areas of interest. Students will have the opportunity to develop a Supervised Agriculture Experience (S.A.E.) Project.

HSci: BASIC ANATOMY IN HEALTHCARE

GR: 9-12 REQ: CTE or Elective REPEATABLE: NO

PREREQUISITE: NONE, Each Semester is divided into 2 different segments SEM LONG HLT 101

There is great potential for futures in Healthcare. By 2026, there is a predicted shortfall of 2 million healthcare professionals. Health Sciences: Anatomy and Health is designed to create an awareness of basic structure and anatomy of the human body. Instruction includes beginning anatomy, physiology, and basic medical terminology. Also, creating healthy behaviors, creating life-long fitness, health maintenance, and understanding safe living as it relates to disease, and disorders. Students will develop practical skills for evaluating health such as blood pressure, heart rate, body fat testing, and other health metrics. The course prepares students for future coursework in Beginning Sports Medicine, Advanced Sports Medicine and Medical Terminology/ Anatomy & Physiology.

HSci: HEALTHCARE CAREERS & EMERGENCY SKILLS

GR: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: NONE, Each Semester is divided into 2 different segments SEM LONG HLT 102

Interested in a career in healthcare? This is the class designed to give an insight into healthcare careers through healthcare professional guest speakers and to learn emergency response skills. This class is designed to develop insight into the current state of healthcare. A large portion of this class is looking at a variety of healthcare careers in the areas of therapeutic services, health informatics, diagnostic services, biotechnology, support services, and alternative medicine. Soft employability skills will be highlighted for future success as a healthcare professional. Students will also develop emergency response skills including Lay Responder CPR, First Aid, and AED. The course prepares students for future coursework in Beginning Sports Medicine, Advanced Sports Medicine and Medical Terminology/ Anatomy & Physiology.

INTRO TO THE TRADES

GR:9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: NONE SEM LONG VOC109

This is an introductory class that is meant to connect students with various different trades and industries available in this area. It includes learning specifics of each of these trades while taking a "hands on" approach. Businesses/companies involved in these trades will be visited and/or incorporated within the classroom as much as possible. There is no prerequisite for this course.

INTRODUCTION TO THE WORLD OF BUSINESS

GR: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: NONE SEM LONG BUS102

This class is designed to introduce students to the business classes offered at the high school. The different units will cover finance, marketing, sports/entertainment marketing & management, retail management, and advanced business. Each will unit will be approximately two weeks long. If you are interested to learn an overview of the world of business, this class is designed for you.

IT-COMPUTER SYSTEMS 1

GR: 9-12 REQ: CTE REPEATABLE: YES

PREREQUISITE: B AVERAGE IN PREVIOUS SCIENCE CLASSES YEAR LONG TEC101/102

In this fast-paced class, learn from professional tutorial programs, labs, and lots of hands-on experiences, as you solve real district hardware/software issues. Student Help Desk & Technology grants the opportunity to prepare yourself for both an entry level tech job and additional technical trainings and programs at the collegiate level. Assignments include the preparation of written and recorded tutorials demonstrating your skills, various projects at FHS and other FSD schools, a professional portfolio/resume highlighting your experiences and knowledge. This course also provides valuable customer service and troubleshooting experience solving while you work an active tech support Help Desk. Completing this course successfully, students will have the opportunity of earning an IT Fundamentals Professional Certificate which they can put on their resume when applying for an IT position.

JAZZ BAND

GR: 9-12 REQ: ART REPEATABLE: YES

PREREQUISITE: PLAYING EXPERIENCE IN PERFORMING ENSEMBLE OR PERMISSION YR LONG MUS231/232

Jazz Band is a performing ensemble dedicated to playing and learning about pop, Latin, rock and jazz styles. Along with playing standard repertoire, this group will also be introduced to the history of the genre. This is a supplementary course meaning it is required that all Jazz Band students be enrolled in another music class in the same semester. The Jazz Band will perform at least 3 concerts during the year along with select extra-curricular performances and festivals.

LUMMI LANGUAGE 1

PREREQUISITE: NONE

GR: 9-12 REQ: ELECTIVE REPEATABLE: NO
YR LONG WLA001 + WLA002

This introductory course concentrates on basic vowel sounds of Xwlemi Chosen, the Lummi language. Emphasis is placed on learning the basic skills needed to read and write the language along with the development of conversation skills. Daily classroom exercises as well as attendance are required. Periodically, classes will include cultural consultants from the Lummi education system as well as honored Lummi elders.

MARKETING INTRODUCTION

PREREQUISITE: NONE

GR: 9-12 REQ: CTE REPEATABLE: NO
SEM LONG BUS200

This class will explore current market strategies, the marketing environment, and marketing ethics. Students will get to know how marketing concepts work in the business and global economies. Students will learn how real companies face marketing challenges, and they will have the opportunity to market their own business by creating a marketing plan and website.

METALS TECHNOLOGY 1 – CTE Dual Credit

PREREQUISITE: NONE

GR: 9-12 REQ: CTE. REPEATABLE: NO
SEM LONG VOC127

In this basic introduction to agricultural mechanics the following subject areas will be covered: arc welding, Oxy-Acetylene welding and cutting, sheet metal layout and fabrication, metal tempering, sheet metal soldering, spot welding, tool sharpening, residential electricity, and hydraulics. Emphasis will be placed on safe shop practices and developing independent thinking skills in preparation for Metals Tech II. Students may earn college credits through Bellingham Technical College by completing this course, Metals Technology II, Advanced Metals Technology, and the content competencies with a grade of B or better.

METALS TECHNOLOGY 2—CTE Dual Credit

PREREQUISITE: METALS TECHNOLOGY I

GR: 9-12 REQ: CTE. REPEATABLE: NO
SEM LONG VOC128

This will be a course that strengthens basic skills learned in Metals Technology I. Arc welding using E6010 and E7018 electrodes, Oxy-Acetylene and plasma cutting, lathe operation, tool sharpening, wire feed welding for steel and aluminum, and Tungsten inert gas welding revolving around steel and aluminum. Emphasis will be placed on safe shop practices and further development of independent and critical thinking skills. Students may earn college credit through Bellingham Technical College by passing this course and Advanced Metals Technology with a "B" or better.

MUSIC CREATION LAB

PREREQUISITE: NONE

GR: 9-12 REQ: ART REPEATABLE: No
SEM LONG MUS180

This class is designed for students who are interested in creating their own music. We will cover units on Songwriting, Lyric writing, Composition using staff paper and notation, Electronic composition using computer programs/sampling. There will be opportunities to share your creations throughout the course. We will cover copyright law and "next steps" for budding musicians. Your musical creations will be as unique as you are. Discover the music inside you!

PERCUSSION ENSEMBLE

PREREQUISITE: NONE

GR: 9-12 REQ: ART OR 1 SEM CTE REPEATABLE: YES
YR LONG MUS221+MUS222

This course is designed for students who wish to explore and expand their ability to create music with a variety of percussion equipment. Students will develop a vocabulary in the areas of snare, keyboard, percussion, timpani, auxiliary percussion and drum set. Music to be performed will come from a wide range of styles including Latin, rock, classical, marching and percussion. Students will be selected to play in the Wind Ensemble, Symphonic Band, Marching Band, Pep Band and Jazz Band based on ability. Public performances are required as scheduled. **Band Camp:** Is a non-graded activity that is highly recommended. The camp normally takes place the week prior to the start of school. **Marching Band:** Is a co-curricular activity that takes place during the fall. The marching band travels to four festivals throughout the Pacific Northwest. **Students are required to pay a travel fee.** Marching band is not a requirement for Symphonic Band and is not a graded activity.

SMALL ENGINE OVERHAUL

PREREQUISITE: NONE

GR: 9-12 REQ: CTE. REPEATABLE: YES
SEM LONG VOC145/VOC146

Students will be introduced to a 4-stroke small gasoline engine. They will gain basic theories of operation, tool identification and uses, measuring and determining engine wear, and basic engine diagnostics. Upon

completion of their first engine, students are to bring in their own engines for the remainder of the semester. No automotive work will be allowed in this section, but a wide variety of four stroke engines will be studied, and many of the skills gained are very necessary to perform automotive work. A variety of support skills such as welding, shop safety, use of manuals and computers will be covered. Leadership opportunities through the FFA Chapter will be offered in this class.

SOCIAL MEDIA MARKETING – CTE DUAL CREDIT

GR: 9-12 REQ: CTE REPEATABLE: YES
YEAR LONG BUS114 +Bus115

PREREQUISITE: NONE

This is a self-motivated class guided by the instructor in the advanced topics of marketing and general business operations. There will be opportunities to work in the Eagle Café to learn about sales, inventory, promotions and advertising, and merchandising. For many students, the café provides the first work experience; for others, it provides an opportunity to build management, supervision, and leadership skills. Additionally, students will have access to virtual business simulations to experience an even larger scope of the business world.

SPANISH 1

GR: 9-12 REQ: ELECTIVE REPEATABLE: NO
YR LONG WLA111+WLA112

PREREQUISITE: NONE

This is an introductory course for students interested in learning to read, write, pronounce, understand, and speak Spanish. Students who choose to study a language must realize that this is a college-prep course and good study habits are essential to developing a proficiency in the language. Students must be willing to readily engage and talk with their classmates daily. Oral participation is required, and students need to try their best to practice Spanish in order to truly acquire the language. We will also explore the music, food, crafts, geography and culture of the Hispanic world.

SPANISH 2

GR: 9-12 REQ: ELECTIVE REPEATABLE: NO
YR LONG WLA121+WLA122

PREREQUISITE: SUCCESS IN SPANISH 1, C OR BETTER GRADE RECOMMENDED

Second year Spanish continues to develop language learned in Spanish 1. Emphasis is on all aspects of language acquisition, including listening, speaking, reading, and writing. Active oral participation is required, and study habits are essential. Teachers will steadily increase their use of Spanish and students must follow. All communication is in Spanish by the end of the year.

SYMPHONIC BAND

GR: 9-12 REQ: ART REPEATABLE: YES
YR LONG – MUS211 + MUS212

PREREQUISITE: NONE

This course of study prepares students for membership in the Wind Ensemble through intensive study, skill development, practice and testing to improve musicianship. The Symphonic Band performs as an independent unit in concerts throughout the year. Performances and extra rehearsals are occasionally required after school hours. Private lessons are strongly encouraged. **Band Camp:** Is a non-graded activity that is highly recommended. The camp normally takes place the week prior to the start of school. **Marching Band:** Is a co-curricular activity that takes place during the fall. The marching band travels to four festivals throughout the Pacific Northwest. **Students are required to pay a travel fee.** Marching band is not a requirement for Symphonic Band and is not a graded activity.

SYMPHONY ORCHESTRA

GR: 9-12 REQ: ART OR 1 SEM CTE REPEATABLE: YES

PREREQUISITE: 2 OR MORE YEARS PLAYING EXPERIENCE OR PERMISSION

YR LONG – MUS321+MUS322

Symphony Orchestra students will focus on both the fundamentals and advancing levels of string technique through a wide variety of orchestral music. This class will collaborate with the Advanced Chamber Orchestra to perform combined orchestra music. Study will also include small chamber groups and students will be strongly encouraged to participate in solo and ensemble festival. Students will be expected to fulfill minimum practice requirements outside of class as assessed by playing tests. Participation in all performances and festivals is required. Students may audition for Advanced Chamber Orchestra in March for the following School year after completing one year of Symphony Orchestra.

TALONS – TENOR/BASS CHOIR

GR: 9-12 REQ: ART REPEATABLE: YES

PREREQUISITE: INTEREST IN SINGING AND NATURAL TENOR/BASS VOCAL RANGE

YR LONG MUS423 + MUS424

The Talons choir is for Tenor/Baritone/Bass range vocal students of all ability levels, from beginner to advanced. Prior musical experience is welcome, but not required. This course will focus on developing the student's natural Tenor/Bass singing voice, and on building music reading ability, ensemble singing skills, and team building. The students enrolled in this choir understand that all performances are required. Performance outfits are required. No audition is required. **Performance fees apply.**

THEATER ARTS

GR: 9-12 REQ: ART REPEATABLE: YES

PREREQUISITE: NONE

SEM LONG ART173/ART174

Theatre Arts 1 is designed for students who want to learn about the basics of theater to become a better performer and public speaker. They will be required to participate in a variety of activities in class as well as attend and review a live performance outside of class. Students will study improvisational techniques to improve their thinking skills, stage skills and collaboration skills. The culminating activity for this semester long elective is participation in the production of small group dramatic scenes. Theatre education is important for all students and has the ability to inspire creativity and confidence in students in any endeavor.

TRAFFIC SAFETY & PERSONAL FINANCE

GR: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: 15 years old w/ Permit before first day of class

SEM LONG MIS120

This course will focus on traffic safety education and personal finance through a blended semester developing student independence. The traffic safety education portion will cover the state requirements for earning a driver's license in the state of Washington. Students are required to have a driving permit within the 10-day window prior to the first day of class or 7 days after class begins to remain in the class. Due to high demand for this course, students who do not have their driving permit within the designated time frame will be directed to their counselor to choose an alternate class and will be dropped from Traffic Safety. The personal finance quarter will cover topics directly related to the details of purchasing and owning an automobile. Topics will include financial decision making, money management, spending and saving, investing, risk management and insurance.

TREBLE CHOIR—SOPRANO/ALTO CHOIR

GR: 9-12 REQ: ART OR 1 SEM CTE REPEATABLE: YES

PREREQUISITE: INTEREST IN SINGING AND NATURAL SOPRANO/ALTO VOCAL RANGE

YR LONG –MUS421 +MUS 422

Treble Choir is for Soprano/Alto range vocal students of all abilities, from beginner to advanced. Prior musical experience is welcome, but not required. This course will focus on developing the student's natural Soprano/Alto singing voice, and on building music reading ability, ensemble singing skills, and team building. The students enrolled in this choir understand that all performances are required. No audition is required. Performance apparel is a FHS formal black dress. **Performance fees apply.**

VIDEO

GR: 9-12 REQ: ART OR CTE REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG ART171

Start your Hollywood movie-making career here! Video 1 offers skills in basic film production, such as composing great shots, using natural and artificial light, getting clear audio, editing and more. You will be given hi-def camcorders, professional mics, a variety of stabilizers like sliders and Steadicams, etc. to make fun videos. You can even check out gear after school and on weekends to produce your potentially award-winning film.

VIDEO GAME DESIGN 1 – INTRO TO CONSTRUCT 3

GR: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG BUS239

Learn basic game design fundamentals while building 2D games for PC using Construct 3! In this class you will learn about the software, hardware, and techniques used to represent, display, and manipulate two-dimensional objects on a video screen. Topics include sprites, tilemaps, programming, level design, and more. Learn to think like a game designer by building your own simple video game! All students are welcome.

WEB DESIGN 1A –CTE Dual Credit

GR: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG BUS237

Learn the essential lingo of web design to build a working multi-page website. Apply your newfound knowledge of color theory, page layout, typography (a fancy word for fonts), web graphics and more to wow your web surfing sidekicks. Sure, you'll have to learn to write code, but with some hard work, you'll be a code ninja by the end of the semester.

WEB DESIGN 1B –CTE Dual Credit

R: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: WEB DESIGN 1A OR PERMISSION

SEM LONG BUS238

You will take what you learned in Web 1a to the next level. Working mostly at your own pace, you will explore advance techniques, such a customizing website for phones, and tablets. Your previous experience and innate curiosity will help you as you design a site for a local business, non-profit or other

client. You might integrate custom features ranging from motion graphics to widgets and learn how to add advanced features and interactivity with JavaScript.

YEARBOOK

GR: 9-12 REQ: CTE REPEATABLE: YES

PREREQUISITE: PERMISSION*

YR LONG BUS263+BUS264

If you have an eye for design or are comfortable with a camera, you might qualify for a position in yearbook. Every year, students aim to publish a professional quality book, and will produce magazine-worthy pages with savvy copy and hip headlines. Get great interviews and tell compelling stories. If you stay with yearbook, you will be in line for a leadership position, such as executive, section or photo editor or, if you like making money, you might want to be a business manager. If you thrive on excitement in a creative environment, consider Aquila. (*Freshmen who took yearbook in middle school.)