



FRASER HIGH SCHOOL VIRTUAL COURSE CATALOG

2021-2022

**Grades 9 – 12
Virtual Course Offerings**

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INTRODUCTION

Fraser Public Schools has developed a curriculum that is comprehensive and challenging for our students. Student learning and student success are the focal point for instruction. Our staff continues to refine and improve the curriculum, teaching techniques and learning opportunities for our students.

We understand the need to be flexible and provide families options for learning in an environment that fits their needs. Fraser has two learning environments available for students enrolled in grades 7 – 12.

Face-to-Face Learning Environment: Students are enrolled in our traditional high school program. All courses are taken in person at Fraser High School.

Virtual Learning Environment: Students are enrolled in our fully virtual program. All courses are completed at home via an online setting. Fraser Public School teachers will provide course content and materials through Blackboard and content will be delivered with both synchronous and asynchronous learning opportunities. Learning will be robust and expectations will be identical to our face-to-face school model.

Fraser High School Virtual students can complete the necessary graduation requirements needed to obtain a Fraser High School diploma in four years by taking all virtual courses. The courses listed in the booklet are offered as fully virtual courses. **Student schedules will be driven by course requests; it is not a guarantee that all options will run each year.**

The Counseling Department is available to assist students and parents with the scheduling process. Appointments and/or phone calls may be made to discuss issues or concerns. Do not hesitate to contact the Counseling Department if you need assistance.

Fraser High School Counseling

Counselor	Student last name:
Stacy Kalpin 439-7264	A - E
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FRASER HIGH SCHOOL GRADUATION REQUIREMENTS

8 SEMESTERS OF ATTENDANCE

AND 27.5 CREDITS

Fraser Virtual requires 27.5 credits for graduation. Below lists the mandatory courses for graduation.

COURSE	CREDITS
English	4
Algebra 1	1
Algebra 2	1
Geometry	1
Math or Math Related Course (1 credit of Math must be taken in the 12 th Year)	1
Biology	1
Chemistry I	½
Environmental I*	½
Physics I	½
Level II Science (Chemistry, Environmental, or Physics)	½
Government	½
Economics	½
American History	1
World History	1
Physical Education	1
Health	½
Fine Arts**	1
Career & Technical Education** *	1
World Language (K-12) ****	2
SMART*****	
Online Experience	

NOTE: One credit courses are full year courses. The student must sign up for both semesters to receive a full year of credit.

***Environmental Science I - Successful completion of AP Biology A and B, College Chemistry A and B, or Accelerated Chemistry A and B and Accelerated Physics A and B fulfills the Environmental Science I requirement.**

****Fine Arts credit is earned through successful course work in the areas of additional World Languages, Art, Humanities, Stagecraft, Vocal and Instrumental Music.**

*****Career and Technical Education credit is earned through successful course work in the areas of Business Tech, Health Sciences and Patient Services, Family and Consumer Sciences, Industrial Tech, and Career Prep Center courses.**

******A pupil may partially or fully fulfill 1 credit of this requirement by completing a department-approved formal career and technical education program or curriculum or by completing a visual or performing arts course.**

*******SMART Hour is required every semester unless a school approved activity that conflicts with this time.**

REQUIRED CORE COURSES

ENGLISH

4.0 credits of English are required to graduated. Students must take a full year of English each year.

HS0001 English 9A

In this full-year course, students will further develop critical reading, writing, speaking, and vocabulary skills to prepare them for future English studies. Students will learn to read carefully and critically, develop public speaking and listening skills, and strengthen process writing skills through mastery of narrative, informational/explanatory and argumentative writing. They will incorporate evaluative techniques and editing skills in their writing while mastering specific grammar skills.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take HS0002 - English 9B

HS0002 English 9B

See course description for HS0001.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take HS0001 - English 9A

HS0051 English 10A

This full-year course will focus on process writing and critical reading with an emphasis on the study of American literature. Improvement and application of the following skills will be stressed: college and career preparatory vocabulary, mastery of specific grammar skills and conventions, theme identification and analysis throughout various literary forms, and the organization and development of effective argumentative essays.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

COREQUISITES: If you take this course, you must also take HS0052 - English 10B

HS0052 English 10B

See course description for HS0051.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

COREQUISITES: If you take this course, you must also take HS0051 - English 10A

HS0111 English 11A

Focusing on British literature, this full-year course will continue to aid students in developing critical reading and writing skills required for post-high school education. Development and application of specific grammar skills and conventions, college and career preparatory vocabulary, theme identification and analysis skills throughout various literary forms, and the organization and development of effective, sophisticated argumentative essays will be stressed.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take HS0112 - English 11B

HS0112 English 11B

See course description for HS0111.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take HS0111 - English 11A

HS0444 English 12A

This full year course is organized around rhetorical modes of writing, critical reading, analytical research, and writing a research essay. Students are required to write in a variety of forms including expository, analytical, and argumentative by following a writing process. Students will also study vocabulary, language and grammar, perform close reading and analysis of non-fiction and fiction, and write and edit formal essays.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 12

COREQUISITES: If you take this course, you must also take HS0445 - English 12B

HS0445 English 12B

This full year course is organized around rhetorical modes of writing, critical reading, analytical research, and writing a research essay. Students are required to write in a variety of forms including expository, analytical, and argumentative by following a writing process. Students will also study vocabulary, language and grammar, perform close reading and analysis of non-fiction and fiction, and write and edit formal essays.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 12

COREQUISITES: If you take this course, you must also take HS0444 - English 12A

MATH

4.0 math credits are required to graduate from Fraser High School. These credits must include Algebra, Geometry, Algebra 2, and a 4th year math course. Virtual options for a 4th year math course include Statistics or Personal Finance.

HS2141 Algebra 1A

This course will focus on presenting problem-solving as its foundation and introduce algebraic techniques as the tools of problem-solving. Algebra topics, as mandated by the National Common Core Standards, include fundamental operations, properties of real and complex numbers, factoring, solving and graphing functions (i.e. linear, quadratic, and exponential), inequalities, exponents, and ratio/proportion will be integrated with geometry, trigonometry, probability, statistics and data analysis. Algebraic modeling of meaningful real-world situations will be introduced, and functions will be used as a unifying theme. Technology (scientific and/or graphing calculators and computers) will be utilized, and reasoning, communication, and mathematical connections will be emphasized.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: 8th grade teacher recommendation

COREQUISITES: If you take this course, you must also take HS2142 - Algebra 1B

HS2142 Algebra 1B

See course description for HS2141.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take HS2141 - Algebra 1A

HS2241 Geometry A

This course will focus on presenting problem-solving techniques and the writing of proofs. As mandated by the National Common Core Standards, topics will include mathematical reasoning, logic and proof, figures and their properties, relationships between figures, and transformations of figures in a plane.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: Successful completion of Algebra A and B, Algebra 1 in 2 Blocks A and B, or 8th grade Algebra.

COREQUISITES: If you take this course, you must also take HS2242 - Geometry B

HS2242 Geometry B

See course description for HS2241.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take HS2241 - Geometry A

HS2371 Algebra 2A

The purpose of this class is to build upon the concepts taught in Algebra 1 and Geometry while adding new concepts to the students' repertoire. The study of exponential and logarithmic functions will be continued and expanded to include function families such as rational and trigonometric functions. Numerical and logarithmic ideas of accuracy, error, sequences, and iteration will be incorporated along with conic sections, univariate and bivariate statistical applications. Connections between trigonometric modeling of cyclic events and the concepts embedded within bivariate modeling with the proper use of statistical techniques will also be made. Finally, students will develop an understanding that algebraic thinking is an accessible and powerful tool that can be used to model and solve real-world problems.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: Successful completion of Algebra A and B and teacher recommendation.

COREQUISITES: If you take this course, you must also take HS2372 - Algebra 2B

HS2372 Algebra 2B

See course description for HS2371.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take HS2371 - Algebra 2A

HS2431 Statistics A

In this course, students will be introduced to the major concepts of probability, interpretation of data, and statistical problem solving. Students will learn the course concepts through hands-on experimentation and investigation. Calculations sometimes may be done by hand and other times will be complete with the use of technology. They will analyze existing data as well as data collected through a survey, observational study or experiment. They will then display the data in different ways, analyze it, and draw conclusions based on the results.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: Successful completion of Algebra 2A and 2B

COREQUISITES: If you take this course, you must also take HS2432 - Statistics B

HS2432 Statistics B

See course description for HS2341.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take HS2431 - Statistics A

PHYSICAL EDUCATION & HEALTH

1.0 physical education credit and 0.5 Health credit are required to graduate from Fraser High School.

HS8510 Boys Physical Education A

This course is designed to introduce students to basic fitness principles and a variety of team sports. The focus will be to develop skills and interest for lifelong fitness. Running, stretching, touch football, tennis, volleyball, softball and CPR are some of the activities to be covered.

*Students will need to come into FHS for a basic four-week swimming course will also be included.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

HS8530 Boys Physical Education B

The emphasis of this course will be individual fitness and sport activities, as in PE A. Cardiovascular activities and stretching will be an integral part of this class. Badminton, soccer, tennis and basketball are sports that may be included as well as a four-week unit of swimming.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

HS8500 Girls Physical Education A

This course is designed to introduce students to basic fitness principles and a variety of team sports. The focus will be to develop skills and interest for lifelong fitness. Running, stretching, flag football, softball, volleyball and CPR are some of the activities to be covered.

*Students will need to come into FHS for a basic four-week swimming course will also be included.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

HS8520 Girls Physical Education B

The emphasis of this course will be individual fitness and sport activities, as in PE A. Cardiovascular activities and stretching will be an integral part of this class. Tennis, badminton, soccer, and basketball are sports that may be included as well as a four-week unit of swimming.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

HS8600 Health Education

Health Education is a one-semester course and is generally taken in the 10th grade. The purpose of Health Education is to develop constructive attitudes towards the many health problems of our society. Facts followed by discussion will permit each student to evaluate roles in the development of health habits and attitudes. Student involvement will be the key to learning. Some of the units to be covered are: 1. Character Education/Decision making 2. Fitness / Nutrition 3. Drugs / Alcohol / Tobacco 4. Addiction 5. Reproduction (HIV/AIDS) 6. Mental Health 7. Disease

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

SCIENCE

3.0 science credits are required to graduate from Fraser High School. These credits must include: Biology, Chemistry I, Physics I, Environmental Science I, and a level II science course. Virtual options for a level II science course include Environmental Science II.

HS3103 Biology A

This course gives a broad overview of biological concepts and experience in the laboratory. This course provides adequate preparation for the college bound student.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take HS3104 - Biology B

HS3104 Biology B

See course description for HS3103.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take HS3103 - Biology A

HS3311 Environmental Science I

Environmental science is a one semester course examining the many environmental issues that we face in Michigan and in the world. The course will examine Earth's place in the universe, how the Earth changes, water, weather, natural resources, and global climate change. This course meets the Environmental Science graduation requirement.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

PREREQUISITE: Must have taken Biology A and Biology B

HS3312 Hybrid Environmental Science II

This course is a continuation of Environmental Science I. This is a hybrid course that will meet face to face to do hands on activities, but it will also offer the student an opportunity to work online. The focus will be on alternative fuels, human impact, and sustainability.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

PREREQUISITE: Environmental Science I or Hybrid Environmental Science I

HS3320 Chemistry I

This course is designed to allow students to develop a solid fundamental understanding of the world around them through the use of a series of particle models of increasing complexity. Students will begin by studying how every substance can be represented using simple particle diagrams with no internal structure. They will finish the semester by developing a more complex model of the atom that will include subatomic particles and also account for the flow of energy in a system. The topics covered in this semester long course include, States of Matter, Particle Motion, Energy Motion and Storage, Elements, Atoms, Compounds, Mixtures and the Historical Development of the Atom.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

PREREQUISITE: Must have taken Biology A and Biology B

COREQUISITE: Suggested C or better in Algebra or have Junior standing

HS3340 Physics I

A comprehensive inquiry lab-based study of the laws governing energy, linear motion, kinematics, and forces. Emphasis will be placed on problem solving strategies, data analysis and classroom discussions to create mathematical and graphical models that explain concepts relative to the dynamics of the motion being studied.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

PREREQUISITE: Recommended that students pass Algebra I before taking this class

SOCIAL STUDIES

3.0 social studies credits are required to graduate from Fraser High School. These credits must include: World History, American History, Economics, and Government.

HS1034 Modern World History 9A

This first semester course offers a global perspective on modern events from the last 500 years. Students will sharpen integral social studies skills such as effective note taking, reading timelines, maps, charts and research-based writing strategies.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9

COREQUISITES: If you take this course, you must also take HS1035 - 20th Century World History 9B

HS1035 20th Century World History 9B

This second semester course offers a global perspective on modern events from the 20th century and beyond. Students will sharpen integral social studies skills such as effective note taking; reading timelines, maps charts and research-based writing strategies. Students will also engage primary source materials and begin to answer compelling questions and synthesize arguments about World History.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9

COREQUISITES: If you take this course, you must also take HS1034 - Modern World History 9A

HS1110 American History I

A one semester course dealing with the history of the United States from the 1877 to the eve of World War II. The second semester deals with the history of the United States from the beginning of World War II to the present day.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

COREQUISITES: If you take this course, you must also take HS1120 - American History II

HS1120 American History II

A one semester course dealing with the history of the United States from the 1877 to the eve of World War II. The second semester deals with the history of the United States from the beginning of World War II to the present day.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

COREQUISITES: If you take this course, you must also take HS1110 - American History I

HS1400 Economics

The purpose of this course is to enable students to understand and evaluate the basic workings of the American economic system. Students will learn the necessary information required to make knowledgeable economic, political, and social decisions.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 11-12

HS1550 American Government

A one semester, required course, which studies the organization and function(s) of our national, state, and local governments. Discussion of the political processes is also involved.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 11-12

WORLD LANGUAGE

2.0 credits world language credits are required to graduate from Fraser High School. Virtual options for world languages include Spanish courses.

HS0911 Spanish 1A

A beginning course, which introduces the basic structure of Spanish. Students will study the Spanish language and culture, concentrating on listening, speaking, reading, and writing skills. Cultural studies will include Spanish cuisine, schools, family life, leisure time activities, and geography.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take HS0912 - Spanish 1B

HS0912 Spanish 1B

See course description for HS0911.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: Successful completion of Spanish 1A

COREQUISITES: If you take this course, you must also take HS0911 - Spanish 1A

HS0921 Spanish 2A

This class is a continuation of Spanish language study, with a focus on grammar and vocabulary building. Topics to be studied will include Spanish cuisine personal preferences, talking about the past and more.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take HS0922 - Spanish 2B

HS0922 Spanish 2B

See course description for HS0921.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: Successful completion of Spanish 2A

COREQUISITES: If you take this course, you must also take HS0921 - Spanish 2A If you take this course, you must also take HS0921 - Spanish 2A

HS0811 French 1A

A beginning course, which introduces the basic structure of French. Students will study the French language and culture, concentrating on listening, speaking, reading, and writing skills. Cultural studies will include French cuisine, schools, family life, leisure time activities, geography of France, and places of interest in Paris.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take HS0812 - French 1B

HS0812 French 1B

See course description for HS0811.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: Successful completion of French 1A

COREQUISITES: If you take this course, you must also take HS0811 - French 1A

HS0821 French 2A

This class is a continuation of French language study, with a focus on grammar and vocabulary building. Cultural topics will include French cuisine, weekend activities, shopping for food, and the French-speaking world.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: Successful completion of French 1B

COREQUISITES: If you take this course, you must also take HS0822 - French 2B

HS0822 French 2B

See course description for HS0821.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: Successful completion of French 2A

COREQUISITES: If you take this course, you must also take HS0821 - French 2A

ELECTIVE OPTIONS

The course outlined in this section are virtual elective courses. Students are required to have at least 1.0 elective credits in Fine Arts (includes fine visual or performing arts) and 1.0 elective credits in Career Technical Education courses. Course requests will determine which elective options are offered each year.

CTE ELECTIVES

HS4220 Microsoft Office Specialist I

Microsoft Office Specialist I is a one semester class. To succeed in today's competitive job market, students will need to demonstrate their skills and expertise in all technology fields. Microsoft Office Specialist Certifications are highly respected and valued in any working environment. This course will cover the skills necessary to prepare students to take the MOS Specialists Certification Exams in Word, Excel, PowerPoint and Access throughout the semester. Microsoft Industry Certifications can be earned in this course.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

HS4221 Microsoft Office Specialist II

Microsoft Office Specialist II is a one semester class. This course continues the study of the Microsoft Office Suite at a higher level. Through the use of Microsoft Word, Excel and Access students will develop advanced application and presentation skills. Integration applications using the Microsoft Office Suite are also emphasized. Students will have the opportunity to continue completing the advanced MOS Specialists Certification Exams throughout the semester.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: Successful completion of HS4220- Microsoft Office Specialist I

HS6160 Parenting

Parenting is a very important one semester class is designed to help all students regardless of gender, understand the responsibilities associated with parenting. Topics include prenatal nutrition, growth, birth, development of the fetus, care and feeding of the infant and toddler, and serious issues related to teen pregnancy. Health, safety, nutrition, and positive parenting skills are investigated and discussed in relation to babies and children. The "real care" baby simulation is one of the major projects of this course.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

HS6191 Surviving After High School

Hybrid-Surviving After High School is a one semester class. Students need to be prepared for options after high school, including the financial and practice aspects of living on their own, either away at college or as a young adult living at home. This course will help with goal setting and decision making with emphasis on personal finance issues, as well as the college application process and future careers.

COURSE NOTE: Hybrid courses give students the opportunity to experience online learning while still receiving some face to face instruction. Each semester of this course will fulfill .5 credits of the required 12th grade math related credit.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 12

ENGLISH ELECTIVES

HS0526 Creative Writing

This one-semester course is designed for students of average and above-average ability. Students will read a wide variety of poetry and short stories that will provide models as they produce work of their own. The class will use the workshop method for discussion of student writing. Students will assemble several collections of writing over the course of the semester. As a result, progressive mastery of forms will be a major factor in evaluating student performance. Hybrid courses give students the opportunity to experience online learning while still receiving some Face to Face instruction.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 11-12

PERFORMING ARTS ELECTIVES

HS7500 Theatre/Stagecraft

Class focuses on the "behind the scenes" careers of theatre. It is designed for the more independent learner. Each unit has a written or hands on project. The students will be introduced to the following theatrical careers 1. Director 2. Costume Designer 3. Stage Manager 4. Play Writer 5. Sound Engineer 6. Light Engineer 7. Set Designer 8. Set Construction 9. Make-up Designer

COURSE NOTE: Participants need to be able to work independently.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: 9th Grade standing and a minimum grade of "B" if repeating course

HS8280 Music Theory and Literature

An academic course to provide the student with a wider base of music knowledge. This course introduces the student to the diatonic and harmonic practices of the common practice period and includes the fundamental musical concepts of rhythm, pitch, scales, intervals, and diatonic harmonies, as well as an introduction to the principles of voice leading and harmonic progressions. This class is designed to supplement the band and vocal program apart from performance.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: Music background or membership in a performing group

PHYSICAL EDUCATION ELECTIVES

HS8540 Boys Weight Training

A 20-week course in weight training. Individual workout sheets will be recorded daily. Students should be interested in improving endurance, flexibility and strength through work in the weight room, cardio activities, aerobics and conditioning. This course may be repeated for credit. This does not replace Physical Education A or B.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: An interest in improving strength and fitness through weight training.

HS8580 Girls Weight Training

A 20-week course in weight training. Individual workout sheets will be recorded daily. Students should be interested in improving endurance, flexibility and strength through work in the weight room, cardio activities, aerobics and conditioning. This course may be repeated for credit. This does not replace Physical Education A or B.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

SCIENCE ELECTIVES

HS3224 Forensic Laboratory Science

This course will primarily meet face to face, however, there will be days where students may choose to meet online. Students will learn to solve a mystery through the use of various problem-solving strategies. Students will gather and document evidence for identification and comparison using authentic forms. The course will employ lectures, labs, scientific application, verification, and process writing to solve these mysteries.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 11-12

HS3228 Crime Scene Science

This course is a continuation of Forensic Laboratory Science. Although this course is a hybrid, it will meet primarily face to face. Students will investigate simulated crime scenes using skills from the fields of biology, physics, and chemistry. Various techniques such as blood spatter stringing and deductive reasoning will be introduced and used throughout the semester.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 11-12

PREREQUISITE: Hybrid Forensic Laboratory Science.

HS3271 Astronomy

This course takes a mathematic approach in studying the vastness of space. Topics include the sun and stars, formation of our solar system, planets, the space program, and current theories relating to the universe. Students will also learn about observations in the night sky. Hybrid courses give students the opportunity to experience online learning while still receiving some face to face instruction.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 11-12 **PREREQUISITE:** Must have taken or be taking physics.

SOCIAL STUDIES ELECTIVES

HS1300 Civil Rights in America Years 1954-1968

This course will chronicle the American civil rights movement from 1954 to 1968. It will include a discussion of the people and events that shaped the movement. Students will learn about such people, organizations and events as Rosa Parks, Martin Luther King Jr., John Lewis, Thurgood Marshall, SNCC, SCLC, Little Rock Nine, Freedom Rides, Freedom Summer, Birmingham, Selma, and Memphis. We will also study the linkage between the global influence of Gandhi's non-violent movement, the American civil rights movement, and today's struggle for justice here and abroad.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

HS1320 American Cultural History: The Twentieth Century

The primary purpose of the class is to provide 11th and 12th grade students with a deeper understanding of American History in the 20th Century. Students will look at the influence of pop culture on historical events and vice versa. This course is designed to be a cross-curricular experience, bringing together elements of history, music, literature, art architecture, and fashion. The student will not only gain historical perspective but understand and demonstrate how American culture has developed over the last 110 years. Students will learn decade by decade the cause and effect relationship of economics, politics, and mass media on the development of our culture.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 11-12

PREREQUISITE: HS1120 - American History II

HS1340 Contemporary Problems

This course is designed to immerse students in the contemporary problems of the Non-Western and Western world. The application of political, economic, sociological, and environmental themes will help to provide the students with a global perspective on the dilemmas facing the world and promote discussion on possible solutions.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

HS1370 Sociology

Sociology is the study of human social behavior and groups. This class focuses on groups in society, how they work, and what it means to be a member of a given group. The range of topics this course examines includes beliefs, values, rules, roles, relationships, status, and family. Also, current issues facing society are incorporated in readings, discussions, and journals.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

VISUAL ART ELECTIVES

HS7200 Foundations in Art

This course is designed as a steppingstone to the various pathways in the art department. Foundations in Art is a prerequisite for all beginning art courses. This course will: Provide meaningful hands on learning experiences that will allow for personal growth and creative expression, integrate problem solving, decision making, creative and critical thinking as well as aesthetics, art history and studio production both 2-dimensionally and 3-dimensionally. Students will: Understand and articulate the vocabulary and language of art. Demonstrate knowledge and ability to work with a variety of media. Students will successfully produce finished pieces of art. Students will demonstrate their knowledge and ability through quizzes, tests and finished projects.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

HS7225 Drawing and Painting 1

This is an introductory course in two-dimensional design. It explores a variety of media in an effort to develop interest, perceptual skills, drawing skills, and style. Design elements and principles of art will be emphasized. Students will: 1. Study line, color, texture, value, shape, and space 2. Use these elements individually and combine them to achieve diverse visual outcomes 3. Study balance, unity, movement, variety, center of interest, and expression 4. Practice manual skills necessary to skillfully use the medium 5. Practice the necessary perceptual skills to illustrate effectively 6. Initiate self-expressive ideas 7. Creatively solve the problems encountered in visual expression 8. Study the elements, principles, styles, and mediums of art history 9. Create a complete finished piece of art.

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: Completion of Foundations in Art

HS7235 Drawing and Painting 2

This course assumes an understanding of the elements and principles of design. Greater development of individual ideas and expression will be encouraged through exploration of new technical skills and media. Students will: 1. Apply the design elements and principles to solve varied design problems 2. Practice creative problem solving in executing designs 3. Practice self-evaluation and critical thinking 4. Develop new ideas for self-expression 5. Explore printmaking, graphic design, painting, and drawing 6. Examine past and present styles, techniques, and ideas in the context of art history whenever possible 7. Create and complete finished pieces of art

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 9-12

PREREQUISITE: HS7225 Drawing and Painting 1 passed with a "B" or better or instructor's signature

HS7245 Drawing and Painting 3

This class is for individuals who wish to explore problems in drawing, painting, and graphic design. They will be given the opportunity to strengthen their skills and expand their interest. Students selecting this class should be self-directed, motivated, and interested in pursuing art beyond the high school level. Students preparing portfolios must take this course no later than the fall semester of their senior year. **THIS COURSE MAY BE REPEATED FOR CREDIT.** Students will: 1. Work with a wide range of materials 2. Possibly create a portfolio for college and scholarship application 3. Create and complete finished pieces of art

CREDIT: 0.5 **TYPE:** Standard **GRADE:** 10-12

PREREQUISITE: Drawing and Painting II with a "B" or better and instructor's signature

SPECIAL EDUCATION COURSES

Fraser High School IEP team will work collaboratively with families to develop an appropriate course schedule as needed.