Fitzgerald High School

Course Offerings
2023-2024

INTRODUCTION

This booklet has been prepared by the staff to be used by you and your parents in the selection of the courses you will take next year.

READ
this booklet.

SELECT
your courses wisely. They will provide you with many future opportunities. You are encouraged to take courses in sequence since many fundamental skills are introduced in the basic courses. Your selections determine the schedule you will have next year.

DISCUSS
your course interests with your counselor, teachers, and parents. Ask questions and make certain your selections meet your needs.

Finally, once you have determined your schedule, do your best to put forth the time and effort, which will guarantee a successful year.

BOARD OF EDUCATION

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Elizabeth Jensen	……	Director of Academic Services

FITZGERALD HIGH SCHOOL

MAIN OFFICE …….. 757-7070

Amanda Clor, Principal

Richard Smith, Assistant Principal

Gary Stevens, Assistant Principal

Marc Sonnenfeld, Athletics …… 757-5775

COUNSELING …….. 757-6433

Beth Pope, serves students last names A-Z (9th grade)

Tim Ossman, serves students last names A-J (grades 10, 11, 12)

Jen Horn, serves students last names K-Z (grades 10, 11, 12)

CHATTERTON MIDDLE SCHOOL

MAIN OFFICE 757-6650

Leanne Davis, Principal

John Adamus, Assistant Principal

COUNSELING OFFICE 757-5690

DISTRICT POLICY FOR NONDISCRIMINATION

Fitzgerald Public Schools supports and adheres to the principles, rules and regulations of Title IX of the Education Act, Section 504 of the Rehabilitation Act of 1973, Title VI of the Civil Rights Act of 1964, and Michigan Law. The District hereby notifies all employees, residents, and students, that it does not discriminate on the basis of sex, race, color, national origin, creed, political affiliation or beliefs, age, height, weight, marital status, against qualified handicapped individuals, or any other condition covered by law with respect to the district educational programs, activities, and employment practices.

The Fitzgerald School District has established a grievance procedure to provide for the prompt and equitable resolution of any complaint alleging to discrimination. A copy of the policy is available to all residents.

Inquires related to discrimination on the basis of disability should be directed to:
Dawn Bruley, Director of Student Services
Section 504 Coordinator
Student Services Office
Fitzgerald Public Schools
23200 Ryan Road
Warren, MI 48091
(586) 757-4044

Direct all other inquiries related to discrimination to:
Regan Galloway
Civil Rights Coordinator
Fitzgerald High School
Fitzgerald Public Schools
23200 Ryan Road
Warren, MI 48091
(586) 757-1751

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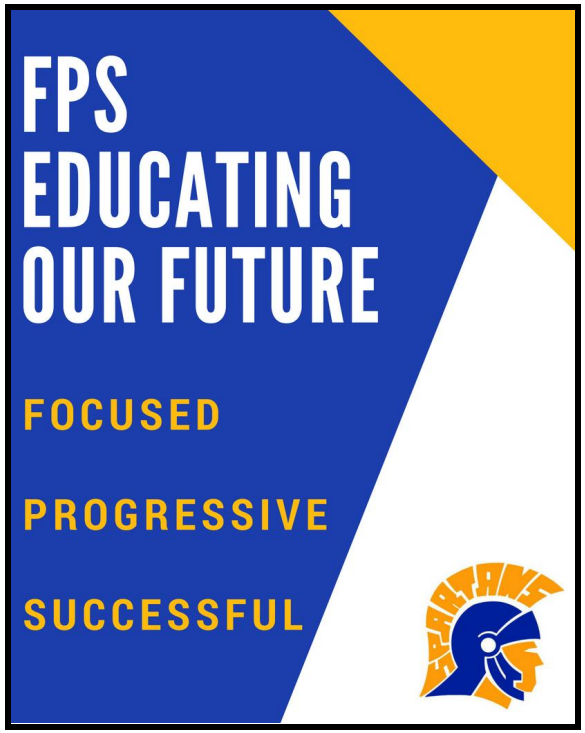
FITZGERALD VISION



FITZGERALD MISSION

DISTRICT COMMITMENT

SUCCESS: IT'S EVERYONE'S RIGHT
IT'S EVERYONE'S RESPONSIBILITY

FITZGERALD BELIEFS

- Lifelong learning is a basic right.
- Given proper instruction in a positive environment, all people can learn what is expected of them.
- Early achievement is the foundation of continuing success.
- All people have talent.
- Parental involvement enhances a child's success.
- There is a direct relationship between self-concept and behavior; and self-concept and achievement.
- A willingness to risk failure precedes success.
- People support what they help to develop.
- People are our most important asset.
- Each person has intrinsic worth and, therefore, should be treated with dignity.
- Everything can be improved.

NOTE TO STUDENTS AND PARENTS

Courses listed in this scheduling brochure will be offered dependent upon:

1. Number of students signing up for the class.
2. Availability of teaching staff.
3. Adequate funding.

A counselor is available to help the student plan a program that satisfies graduation requirements. *The responsibility for the establishment of future goals lies with the student and the parent.* Once a program designed to meet these goals is established with the aid of the guidance counselor, it is the responsibility of the student to carry it to completion.

Students may not voluntarily or arbitrarily drop out of a full-year class after completing the first semester with a passing grade. Unless otherwise noted, all classes may be taken only once.

TESTS USED IN PROGRAM PLANNING

The information available from the school-testing program can be most useful in making educational and vocational decisions. The results of these tests are available to students at their request and are specifically used during the planning of a student's educational program. The school-testing program includes the following:

9th Grade	PSAT and/or WorkKEYS NWEA Online Assessment (fall, winter, spring)
10th Grade	PSAT college readiness test NWEA Online Assessment (fall, winter, spring)
11th Grade	PSAT/NMSQT Spring Testing: (SAT, WorkKEYS & Michigan M-STEP) NWEA Online Assessment (fall, winter, spring)

In addition to the above tests, certain scholarship programs and colleges require specific tests for participation, entrance, and/or placement. There is a fee for these tests, some of which are given on a Saturday.

9TH, 10th & 11th Grade	Preliminary Scholastic Aptitude/National Merit Scholarship Test (PSAT/NMSQT)
11th & 12th Grade	Scholastic Aptitude Test (SAT) Advanced Placement Exams

IMPORTANT NOTE

All students must participate in all portions of 11th grade Spring Testing in order to graduate.

GRADUATION REQUIREMENTS

All students are required to complete the required credits outlined for each class to be eligible for graduation.

Content Area	Credits
English Language Arts	4
Mathematics	4
Science	3
Social Studies	3
Foreign Language	2*
Physical Education	0.5**
Health	0.5
Electives	7
Fine Arts – Visual/Performing/Applied Arts (VPAA)	(1)
Required Credits	**22**
Total Possible Credits	**24**

*One credit of Foreign Language can be waived for successful completion of a CTE course.
**Physical Education credit can be waived for successful participation in a FPS approved athletic season/Marching Band.

ADDITIONAL GRADUATION REQUIREMENTS: For students who wish to complete a special career-path curriculum which culminates in special certification, endorsement of occupational mastery, or expanded dual-enrollment with post-secondary institutions; one additional academic credit beyond the student's completed credits of the Board established maximum is necessary for graduation and receipt of diploma. If such credit is completed within one additional semester, the diploma will reflect the year of graduation being the last full year of enrollment in high school. If enrollment continues beyond one additional semester, the diploma will reflect the year of graduation being the final date of that academic year.

STATE ASSESSMENTS: All high school students must attempt all parts of the 11th Grade Spring State Assessment in order to be eligible for graduation, unless indicated otherwise in an IEP (Individualized Education Program) SAT and MSTEP

COMMUNITY SERVICE/SERVICE LEARNING REQUIREMENT: Each high school student will complete a community service requirement before June 1st of their senior year in order to receive a diploma with their peers and participate in the commencement ceremony. That requirement will be 40 hours of service. Service may begin the summer prior to a student's freshmen year. This service must be performed outside of school hours unless under the supervision of a teacher or administrator and directly tied to the curriculum. Seniors who earn 100+ hours of service by a specified date will be recognized with a Community Service/Service Learning Medal.

ALL GRADUATION REQUIREMENTS ARE SUBJECT TO CHANGE UPON BOARD OF EDUCATION APPROVAL

ELECTIVE COURSES THAT FULFILL GRADUATION REQUIREMENTS

	Fine Arts - VPAA	Math-Related	Science-Related
Accounting I, II		X	
Advanced Web Design	X	X	
Audio Recording I, II	X		
Auto I, II, III	X	X	
Computer Graphic Design I	X		
Computer Graphic Design II	X		
Creative Writing	X		
Digital Media Productions	X		
Medical Systems and Careers			X
Financial Literacy		X	
Marketing I, II	X	X	
Music Theory	X		
Pharmacy Tech	X	X	X
Physical Therapy I, II	X		X
Advanced Digital Media Production	X		
Web Design I and II	X	X	
Piano Keyboarding	X		
Physics A/B		X	

Other courses may qualify. Please see your counselor if you have any questions.

GRADE POINT AVERAGES

Student GPA is calculated by using grades received in grades 9 - 11, and first semester of the 12th grade. Grades are valued as follows:

FPS Grade Point Scale

Traditional Grade Point Scale			Honors** Grade Point Scale	
A+	4.33		A+	5.33
A	4.00		A	5.00
A-	3.67		A-	4.67
B+	3.33		B+	4.33
B	3.00		B	4.00
B-	2.67		B-	3.67
C+	2.33		C+	3.33
C	2.00		C	3.00
C-	1.67		C-	3.67
D+	1.33		D+	3.33
D	1.00		D	2.00
D-	0.67		D-	1.67
F/NC	0.00		F/NC	0.00

** A student's G.P.A. is calculated by adding the course grade values and dividing by the number of grades added together.

FPS Grade Scale

Letter Grade	Percentage	Letter Grade	Percentage
A+	100.5% and above	C	72.5%-76.4%
A	92.5%-100.4%	C-	69.5%-72.4%
A-	89.5%-92.4%	D+	66.5%-69.4%
B+	86.5%-89.4%	D	62.5%-66.4%
B	82.5%-86.4%	D-	59.5%-62.4%
B-	79.5%-82.4%	F	59.4% and below
C+	76.5%-79.4%		

HONOR ROLL

To be listed on the Honor Roll, a student must have a Grade Point Average of 3.00 with no grades of D+, D , D- , F, or NC.

HONOR POINTS

It is the belief of the Fitzgerald School Board that students should strive to take the most rigorous classes of which they are capable. Students who take certain courses that meet Advanced Placement standards or would be considered Honors courses will be awarded an extra grade point for each of the following classes:

***Honors Classes include: Honors English 9, 10; Honors Algebra II; Pre-Calculus; AP Calculus; AP Biology; Chemistry II; Principles of Engineering; Honors Geometry; AP Government; AP English Literature; AP Language and Composition; All MMSTC Courses*

TESTING OUT POLICY

The Fitzgerald Public Schools Board of Education recognizes the need to provide alternative means by which students can complete the graduation requirements prescribed by the state and Fitzgerald Public Schools.

Any high school student who wishes to test out of a Michigan Merit core curriculum course in which he/she is not currently enrolled/attending (or previously taken) may do so by taking the test out exam for the course and receiving a grade of at least C+. The grade on the assessment will not be used to determine a student's GPA. Credit for a course earned by a student through this process may be used to fulfill a course or course sequence requirement, and may be counted toward the required number of credits needed for graduation.

Students will maintain a full time schedule in grades 9-12 (six hour schedule). Exception: Seniors who are enrolled in an externship program or participating in dual enrollment may take four hours.

SPECIAL PROGRAMS

All **SENIORS** in a special program must be enrolled in a minimum of four high school credit-earning classes per semester.

1. Dual Enrollment

Students who have passing scores on designated college prep tests (PSAT,PLAN) may enroll at a college or university at a reduced per hour tuition rate, funded by the district. Credits are transferable. Course work elected must be beyond the offerings available at the high school. There are stipulations about the classes available which can be discussed with the counselor and must be approved by the building principal. More information can be found in the Parent Handbook. MCC course catalog

2. Early College of Macomb (ECM

Students are eligible to apply for this free program in February of their sophomore year for placement during their Junior year, and Senior years plus one additional year. The Early College of Macomb program will give students an early start toward career and higher education opportunities. Students may complete the program with an Associate's Degree in three years (grades 11, 12, and 13) or transfer their credits to a university. The application process takes place in late January through late February.
MCC course catalog ECM website

SMTEC Courses

SMTEC is a partnership between Center Line, Fitzgerald, Van Dyke, and Warren Woods school districts to provide Career Technical Education (CTE) to high school students. Students may enroll in any SMTEC class that isn't offered in their school/district. Bus transportation is provided for students taking classes outside their district. CTE classes focus on high-wage, high-demand skills needed in today's workforce, integrating academic core content. SMTEC courses may meet Michigan Merit Curriculum requirements not only as electives, but also in some academic areas.

Courses can be found by visiting: https://www.smteccte.org/programs/

SCHEDULE CHANGES

Student Schedules are final as of May 1st for the following school year. Schedules will only be changed for those students who have failed a course or who are missing a course required for graduation. Staffing is predicated upon student class requests – modifications after the fact affects more than just class size. If changes are allowed, the number of sections may be reduced affecting teaching assignments and possibly, faculty certification. It is important that all students and parents understand that course selection is important and the necessary time should be given to this process. **Schedule changes in August or at the beginning of the school year will not be permitted – we simply do not have that flexibility.**

The number of academic credits a student needs to demonstrate successful completion of graduation requirements depends on several factors including:

- staff expectations
- potential courses available to a student during enrollment
- chosen career path
- state mandates
- post-secondary prerequisites

The Board of Education provides the minimum number and distribution of necessary credits a student must meet to receive a diploma.

ART

Please check the prerequisites carefully before enrolling in a class. Most materials for required projects will be furnished, but if a student wishes to use more expensive supplies than those provided, he/she must pay for them. It should be understood that students in art classes will be required to do some drawing and design work. The intent of the art classes is to create original work from design to completion. The Art Department assumes that a student taking an art class from this varied list is interested and willing to make **full use** of class time. Evaluation in all classes is based on class work and any homework requirements.

Drawing, Painting & Design Courses

Drawing, Painting, and Design I

Course Number: HS1011

Length of Course: 1 semester
Credits Earned: ½ credit each semester
Grade Level: 9, 10, 11, 12

Students will explore materials, techniques and concepts of basic drawing, painting and design. Mediums used include pencil, charcoal, pastels, watercolor, tempera, and acrylic paint. Processes include contour drawing, shading, perspective, still life, self-portraits, etc. This course incorporates art history, aesthetics and art criticism.

Drawing, Painting, and Design II

Course Number: HS1021

Length of Course: 1 or more semesters
Credits Earned: ½ credit each semester
Grade Level: 10, 11, 12

Prerequisite: *Must have received a passing grade in Drawing, Painting, and Design I.* Students will further develop drawing, painting and design skills.

Intro to Art

Course Number: HS1101

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12

Exploration of two-dimensional and three-dimensional art techniques that include drawing, painting, sculpture and ceramics. Introduces students to the elements and principles of art and design. Mediums used include pencil, charcoal, pastels, watercolor, tempera, acrylic, and clay. This course incorporates art history, aesthetics and art criticism.

Art Courses

3D Art

Course Number: HS1133
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10, 11, 12
Prerequisite: *Introduction to Art*

In the first part of this course, students will further their study of the visual arts through working with clay and learn many methods of hand-building pottery. Students will learn about various techniques and be able to create functional ceramics pieces as well as visually pleasing sculptures. Students will study methods of glazing, so they are able to choose glazes that will enhance the final outcome of their piece. In the second part of the course, students will learn the fundamentals of handmade jewelry. Students will learn a variety of construction techniques by experimenting with a wide range of art mediums including: wire, cut metal, found objects, cast pewter, soldered metal, beads, and gems. This class will also explore art movements and styles from our history and our current culture

Computer Graphic Design Courses

Computer Graphic Design Courses

Computer Graphic Design I **Course Number:** HS6983
Length of Course: 1 semester
Credits Earned: 1 credit
Grade Level: 10, 11, 12

In Computer Graphic Design, students will learn the fundamentals of graphic design, and gain experience using Adobe software such as Photoshop, Illustrator and Indesign. Students will learn to create and edit images and make design projects such as logos, advertisements, posters and packaging. An interest in art and design and basic knowledge of computers is highly recommended.

Computer Graphic Design Courses

Computer Graphic Design II

Course Number: HS6723

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11, 12
Prerequisite: *Must have received a passing grade in Computer Graphic Design I.*

Students electing the advanced course will be working for a large part independently on more advanced design projects. Students must be proficient using Adobe software.

Advanced Publication Design

Course Number: HS2442
HS2443

Length of Course: 1-2 semester(s)
Credits Earned: ½ -1 credit(s)
Grade Level: 9, 10, 11, 12

Prerequisites: *Computer Graphics I and/ or a teacher referral. Students must be approved by teacher before registering for class- no exceptions.*

Students will gain “real life” experience and learn many aspects of working on a publication while creating the Spartan yearbook and student publications. Students’ responsibilities include: page layout and design, photography, illustration, copywriting, and ad and book sales. Experience using Adobe Photoshop and Illustrator recommended. Students must be self-motivated and able to multitask.

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BUSINESS and COMPUTERS

Computer Literacy **Course Number:** HS1451
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12

A one-semester course designed to teach the introductory features of MICROSOFT WORD Google Apps Documents, Microsoft EXCEL and the Google Apps Spreadsheet application. Keyboarding skills will be reviewed and stressed.

Introduction to Computer Science **Course Number:** HS1452
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12

This course is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems.
This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, including AP Computer Science Principles and AP Computer Science A courses.

21st Century Tech Tools

Course Number: HS1456

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12

A one-semester class designed to teach the advanced features of Microsoft WORD and Google Applications including basic desktop publishing. With the use of POWERPOINT, GOOGLE APPS PRESENTATION APPLICATIONS AND PREZI, students will create presentations and slides to be presented in other classes or in the workplace.

Accounting I

Course Number: HS1600
HS1602

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10, 11, 12
**May be used as Math Related Credit for 12th grade students*

This course is an introduction to the basic principles and practices of accounting. If you would like to own your own business, major in business in college, or just have a feel for business, you should take Accounting I. A strong math background is not needed to be successful in this class. A calculator may be used and is encouraged. The first half of the class is devoted to understanding the basics with the second trimester devoted to applying the basic principles that were previously taught. Manual and online assignments will be completed during this class.

Accounting II

Course Number: HS1604
HS1605

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12
Prerequisite: *Must have a passing grade in Accounting I *May be used as Math Related Credit for 12th grade students*

This course expands the accounting process focusing on corporate accounting This class is geared towards the student who is serious about the world of business and would like to pursue college and/or a career in Accounting or Business.

Financial Literacy

Course Number: HS1625

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11, 12
**May be used as Math Related Credit for 12th grade students*

This class is designed to provide students with a background in a variety of financial related topics including: budgeting, banking services, taxes, insurance (life, auto, and homeowners), investing, retirement, debt, credit cards, identity theft, etc. Computer and online applications are used throughout this class.

Business Law

Course Number: HS1650

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10, 11, 12

This class is designed primarily for those students who are planning a career in Business Administration or Law. The class includes legal terms and presents a "life cycle" approach to law, with units on youth and the legal system, the courts, the jury system, crime and tort law, consumer contracts, warranties, employment, marriage, and how all of this relates to later life.

Marketing 1

Course Number: HS1631
HS1632

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10, 11, 12
**May be used as Math Related Credit for 12th grade students*

This class provides a student with a foundation in marketing concepts. The major areas of instruction will include an overview of marketing principles and its effects on our economic society. Other areas include: Selling, Promotion, Distribution, and Pricing.

Management areas will include: Marketing Information, Product and Service and Entrepreneurship and Finance.

Students will experience a small-scale operation with involvement in all twelve marketing modules. A final project is required. This class is for one entire school year (1 credits). Students that complete this course may have the opportunity to complete a work experience for credit in their senior year. (See instructor for details)

Marketing II (School Store)

Course Number: HS1635

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11th /12th, Completed Marketing I / By Instructor Permission Only
Prerequisite: *Must have successfully completed both semesters of Marketing I A/B OR Sports and Entertainment Marketing A/B*
**May be used as Math Related Credit for 12th grade students*

Marketing II will continue with and expand upon the concepts from Marketing I. Student responsibilities will include: store management, student training, merchandise orders and inventory maintenance. As this is a project and activity based course students need to be self directed and motivated. Students will experience a small-scale retail operation with involvement in the Spartan Shop (School Store). As part of this in school, lab students have the opportunity to order merchandise, display merchandise, price merchandise inventory, and provide proper customer service using a Point of Sale Cash Register System. Financial records are maintained as part of the store operation. Use of the internet and projects are a component of this class. A final sales project is required. This class is for one entire school year (1 credits). Students that complete this course may have the opportunity to complete a work experience for credit in their senior year. (See instructor for details)

Sports and Entertainment Marketing

Course Number: HS1636

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10, 11, 12
**May be used as Math Related Credit for 12th grade students*

This class provides a student with a foundation in marketing concepts. The major areas of instruction will include an overview of marketing principles and its effects on our economic society. Other areas include: Selling, Promotion, Distribution, and Pricing. Management areas will include: Marketing Information, Product and Service and Entrepreneurship and Finance, specifically as it relates to the Sports and Entertainment fields. Curriculum for this course is entirely online and students will have access to it as they navigate the various segments. Students will have a final project based in the Sports and Entertainment field as well as present their findings and research to the class.

This class is for two semesters (1 credit). Students that complete this course may have the opportunity to complete a work experience for credit in their senior year. (See instructor for details)

ENGLISH LANGUAGE ARTS

ELA Sequence
4 Credits Required

Grade	Courses	
9	English 9 A **and** B	**OR** Honors English 9
10	English 10 A **and** B	**OR** Honors English 10
11	English 11 A **and** B	**OR** English 11 AP
12	English 12 A, Heroes and Villains, **or** Young Adult Literature (choose 1) **and** English 12 B, Research Writing, **or** Technical Writing (choose 1)	**OR** English 12 AP

English Courses

English 9 A (Literature) **Course Number:** HS2013
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9

9th grade Literature will lay the foundation for all Literature Courses at Fitzgerald. An emphasis will be placed on literary elements, reading skills, and written communication skills. Students will be required to read selected short stories, and will choose a "choice novel" from a list pre-selected by the instructor. All of the required reading and writing assignments must be completed for a student to earn a passing grade in the course. Grammar and vocabulary instruction will be integrated in reading and writing activities.

English 9 B (Composition) **Course Number:** HS2014
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9

Emphasis will be placed on the reading and writing components of the English Language. Students will be required to read selected informational text, and will choose a "choice novel" from a list pre-selected by the instructor. This course will also teach 9th grade students how to compile and present a research report. Students will further expand on their grammar and vocabulary through all course units. Students will need to show proficiency in all elements of the course to receive a passing grade.

Honors 9 A/B **Course Number:** HS2021 HS2022
Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 9- *By teacher recommendation*

This course is designed to emerge students into classic literature while applying various reading strategies and making personal connections. The classic works that the students will be reading are as follows: Shakespeare's *Romeo and Juliet, The Jungle, The Great Gatsby, The Crucible, and Killer Angels.* Supplementary pieces such as poetry, short stories, and informational text will be used to enhance these works. Students will also be required to write thematic, comparison, and persuasive essays. Proper research and presentation techniques will also be a part of instruction.

English Language Arts Courses

Elements of English 9 A (Literature) **Course Number:** HS9211

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9

9th grade Literature will lay the foundation for all Literature Courses at Fitzgerald. This course provides a basic of literary elements, reading skills, and written communication skills in a more individualized manner. Students will be required to read selected short stories, and will choose a "choice novel" from a list pre-selected by the instructor. All of the required reading and writing assignments must be completed for a student to earn a passing grade in the course. Grammar and vocabulary instruction will be integrated in reading and writing activities.

Elements of English 9 B (Composition) **Course Number:** HS9012

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9

An overview will be provided for reading and writing components of the English Language. Students will be required to read selected informational text, and will choose a "choice novel" from a list pre-selected by the instructor. This course will also teach 9th grade students how to compile and present a research report. Students will continue on their grammar and vocabulary through all course units. Students will need to show proficiency in all elements of the course to receive a passing grade.

English 10 A (Literature) **Course Number:** HS2113

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10

This course consists of the various elements to study the English Language and elements of literature, grammar, and writing. The course focuses on argumentative and rhetorical analysis writing. Along with various informational texts, students will read excerpts of the play *A Raisin in the Sun* by Lorraine Hansberry. Students also complete and present a historical fiction research project. Students will read a novel of their choosing in student groups to reinforce reading strategies for comprehension.

English 10 B (Composition) **Course Number:** HS2114

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10

This course consists of the various elements of studying the English Language and elements of literature, grammar, and writing. The course focuses on narrative, persuasive, and expository writing. Along with various informational texts, students will read the novel *Of Mice and Men* by John Steinbeck. Students will also read a novel of their choosing in student groups to enforce reading strategies for comprehension.

English Language Arts Courses

Elements English 10 A (Literature) **Course Number:** HS 9111

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10

This course consists of the various elements to study the English Language and elements of literature, grammar, and writing. The course focuses on argumentative and rhetorical analysis writing. Along with various informational texts, students will read excerpts of the play *A Raisin in the Sun* by Lorraine Hansberry. Students also complete and present a historical fiction research project. Students will read a novel of their choosing in student groups to reinforce reading strategies for comprehension.

Elements English 10 B (Composition) **Course Number:** HS 9112

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10

This course consists of the various elements of studying the English Language and elements of literature, grammar, and writing. The course focuses on narrative, persuasive, and expository writing. Along with various informational texts, students will read the novel *Of Mice and Men* by John Steinbeck. Students will also read a novel of their choosing in student groups to enforce reading strategies for comprehension.

Honors English 10 A/B **Course Number:** HS2120
HS2121

Length of Course: 2 semesters
Credits Earned: **1** credit
Grade Level: 10

This course is designed to scaffold students' previous knowledge of writing and move it to the next level. Insights recorded by the authors of memorable literature will be integrated with lessons of background history in order to provide a solid foundation of knowledge before delving into the analysis of the text itself. Students will utilize Sustained Silent Reading with conferring, Notebooking, and grammar mini lessons on a regular basis. The following literature will be analyzed and dissected: *Hamlet, Hiroshima, Maus I, Their Eyes Were Watching God*, "The Yellow Wallpaper," *Antigone*, as well as short stories, selected poetry, and shorter informational articles. Minimum composition requirements include using the writing process to complete critical analysis essays, a choice historical research paper, persuasive on demand essays, and personal reader response reflections. Individual and group presentations will also be required components of this course.

English 11 A (Literature) **Course Number:** HS2213

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11

This course is designed to provide students with the tools necessary to improve and enhance reading skills. Students will read selections from literature and informational texts and draw on their own knowledge and experiences. Students will also choose grade level and reading level appropriate texts in order to apply higher order thinking skills such as making connections and making inferences. These skills, along with instruction in grammar and mechanics, will prepare students for the SAT/MME standardized tests.

English 11 B (Composition) **Course Number:** HS2214

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11

This course is designed to enhance a student's reading and writing skills by studying various types of reading and writing structures. Students will partake in narrative, persuasive, and analytical writing intended to develop and refine their writing skills. Students will read selected literary and informational texts and apply higher order thinking skills in making assumptions, interpreting figurative language, and drawing conclusions based upon evidence in those readings and their own knowledge and experiences. Students will have the opportunity to choose a literary work from the selected novels for this course and participate in literary discussion groups and Socratic circles. Grammar is reviewed as it relates to writing. Select test preparation lessons will also take place as related to the SAT.

Elements of English 11 A (Literature) **Course Number:** HS9211

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11

This course is designed to provide students with the tools necessary to improve and enhance reading skills. Students will read selections from literature and informational texts and draw on their own knowledge and experiences. Students will also choose grade level and reading level appropriate texts in order to apply higher order thinking skills such as making connections and making inferences. These skills, along with instruction in grammar and mechanics, will prepare students for the SAT/MME standardized tests.

Elements English 11 B (Composition) **Course Number:** HS9212
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11

This course is designed to enhance a student's reading and writing skills by studying various types of reading and writing structures. Students will partake in narrative, persuasive, and analytical writing intended to develop and refine their writing skills. Students will read selected literary and informational texts and apply higher order thinking skills in making assumptions, interpreting figurative language, and drawing conclusions based upon evidence in those readings and their own knowledge and experiences. Students will have the opportunity to choose a literary work from the selected novels for this course and participate in literary discussion groups and Socratic circles. Grammar is reviewed as it relates to writing. Select test preparation lessons will also take place as related to the SAT.

English 12 A (Literature) **Course Number:** HS2313
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 12

The focus of this one semester class is to expose students to several genres of text while incorporating methods of analytical writing in preparation for college. These text genres include: drama, sci-fi fantasy, gothic, informational, realistic/historical fiction, and poetry. The writing styles that will be included are: personal narrative, memoir, persuasive, and argumentative. All essays will be taught with the pairing of literary articles or text in which the topics of the essays will be based. The main texts that will be covered are Arthur Miller's *Death of a Salesman* and Ray Bradbury's *Fahrenheit 451*. The majority of the course work is devoted to synthesizing, analyzing and writing throughout mini genre units. Grade level and post secondary grammar, usage and vocabulary are also incorporated into this trimester.

English 12 B (Composition) **Course Number:** HS2314
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 12

During this one semester course, students are introduced to the expository writing style of the critical analysis essay. Students will write several literary criticism essays, research various professional and critical materials available, and work in a more independent framework, culminating in a term paper of 17-20 pages in length paired with a creative oral presentation. APA style and format is introduced and practiced with each essay. Students will select an author of literary merit which will serve as their basis for each critical analysis paper as well as a formal presentation.

Advanced Placement English Language and Composition A/B **Course Number:** HS2227
Length of Course: 2 semesters HS2228
Credits Earned: 1
Grade Level: 11 and 12 (Recommended for 11th grade students)

This course is designed to comply with the *current AP English Language and Composition Course Description* curriculum requirements in addition to the preparation for the Advanced Placement English Language and Composition Exam. This course will focus on reading and analyzing a variety of non-fiction pieces. Students will obtain the necessary skills needed to become skilled readers of prose written in a variety of rhetorical contexts. Students will focus on reading and analyzing primary and secondary sources, to synthesize material from texts in compositions, and to cite sources using conventions from Modern Language Association (MLA), and American Psychological Association (APA). Students will focus on writing expository, analytical and argumentative pieces, as well as reading and responding to complex texts. The course is modeled after a first year college composition course and is rigorous and challenging. Completion of a summer assignment is required for this course.

Advanced Placement English Literature and Composition A/B **Course Number:** HS2237
Length of Course: 2 semesters HS2238
Credits Earned: 1 credit
Grade Level: 11 and 12 (Recommended for 12th grade students)

This course is designed to comply with current *Advanced Placement English Literature and Composition Course Description* curriculum requirements created by the College Board. In addition to the preparation for the Advanced Placement English Literature and Composition Exam, students will obtain reading, writing, and study skills essential for college. Students will analyze, synthesize, and evaluate a variety of ancient, classic, modern, and contemporary literature as well as poetry. Special attention is given to various writing styles, organizational patterns, and types of composition. There is also a focus on preparation for the AP English Literature and Composition Exam and an independent study research project developed by the student. The curriculum for this course has been authorized by the College Board, facilitators of the Advanced Placement Program®. The official AP® designation appears on the College Board website.

Creative Writing

Course Number: HS2450

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10, 11, 12
MAY NOT be used to fulfill English graduation requirements

Creative Writing is a one semester course designed to introduce students to the creative writing process. Students will participate in a semester-long writer's workshop, working to build a portfolio of writing under a pen name. Over the course of the semester, students study writer's strategies in various genres -- including poetry, fairy tales, short stories, and creative non-fiction -- and apply those skills to portfolio projects. Peer review & feedback will be essential elements of the seminar style writer's workshop. Students will also research careers in writing. Each student writer is required to prepare one piece of writing for submission to a national writing contest, scholarship, or publisher.

Reading Intervention

Course Number: HS1907 HS2008 HS1908 HS2009 HS2007 HS1906 HS2005

Length of Course: 1-2 semesters
Credits Earned: ½ credit per semester
Grade Level: 9. 10, 11

A variety of reading intervention courses are offered to students based on their NWEA Reading Assessment scores. Courses include instruction using a Corrective Reading Program with a focus on decoding and comprehension skills. Students are placed into these courses based on their assessment data and teacher recommendation. This course is not available for student selection.

ELA Lab

Course Number: HS1999

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9-10 by teacher recommendation & reading level test score

ELA Lab is a course to improve reading, writing and literacy skills. Students will work in three distinct stations for the majority of the course: Scaffolded Silent Reading at their own level, Assistive Technology, and Teacher Guided Group. All three stations aim to improve the student's overall reading level and academic success. Students will also complete a novel study as a whole class and engage in active participation and discussion daily. Students will be placed into this course based upon teacher recommendation as well as the NWEA Reading Assessment Test. This course is not available for student selection.

Academic Literacy **Course Number:** HS9902
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9-10 *by teacher recommendation & reading level test score*

Academic Literacy is a course to improve reading, writing and literacy skills. Students will explore the various genres of literature and learn how to find a text at their own reading level. During the course, students will learn reading skills and strategies that focus on the major areas of comprehension, which will aid in other core areas, such as: Science, Social Studies, and Mathematics. Students will also explore writing strategies that will assist them in grade level expression and engagement. The class will engage in a novel study and further daily active participation in class discussions and reflections. Students will be placed into this course based upon teacher recommendation as well as the NWEA Reading Assessment Test. This course is not available for student selection.

Academic Enrichment (AE English/AE Math) **Course Number:** HS9918/HS9917
Length of Course: 1 semester
Credits Earned: ½ credit (ELA Mini = ¼ credit; Mathematics Mini = ¼ credit)
Grade Level: 11 - *By teacher selection*

This course is a review of concepts in English Language Arts, vocabulary, mathematics, science, and social studies. This course also includes concept skills related to reading and locating informational text (Workkeys). Through concept and skill review, students will engage in learning based on the Michigan Merit Curriculum and the SAT College Readiness Standards. In addition, proven test-taking skills will be reviewed and applied in each content area outlined during this course. This course is a combination of two 6 ½ week courses in English Language Arts and Mathematics. Each mini course is a ¼ credit. Students will be pre-identified and placed into this course. This course is not available for student selection.

Heroes and Villains **Course Number:** HS9871
Length of Course: 1 semester
Credits Earned: ½ credit **Grade Level:** 12

This course examines the universal concepts of heroes and villains in literature. Students will analyze and evaluate how authors utilize the story structure of The Hero's Journey to convey meaning. Students will examine archetypes and how they are used in the development of the story structure. Students will also engage in creative writing and develop their own hero's journey story.

Key literature selections include various Marvel and DC comic books, *Nimona* by Noelle Stevenson, and *Ready Player One* by Ernest Cline. ** This class will count as a literature credit for 12th grade. Students may choose either English 12 A, Heroes and Villains, or YA Literature for the literature credit.

Young Adult Literature

Course Number: HS9870
Length of Course: 1 semester
Credits Earned: ½ credit **Grade Level:** 12

Young Adult Literature consists of contemporary YA novels. Students will read four novels as part of the class curriculum as well as independent reading. The class units will explore a variety of different themes that will be discussed in both full-class and small-group settings. Throughout the semester, students will be working on an Independent Study Project. Students will also complete a reading portfolio throughout the class that is both analytical and reflective in nature. The class strives to answer the question, "How does literature help us develop empathy?"
** This class will count as a literature credit for 12th grade.Students may choose either English 12 A, Heroes and Villains, or YA Literature for the literature credit.

Research Writing

Course Number: HS9872
Length of Course: 1 semester
Credits Earned: ½ credit **Grade Level:** 12

This course is modeled after College Freshman English and will help prepare students for the rigors of college writing and the required college English course. Students will study the principles of expository writing - the kind of objective, audience-directed prose used in college and beyond to explain and defend ideas. Because reading, viewing, and writing are inextricably linked, the course will also emphasize critical reading and viewing, teaching students to analyze and understand a variety of texts, including expository and literary texts that represent diverse voices and ideas, visual images, and their own writing.
** This class will count as a composition credit for 12th grade. Students may choose either English 12 B, Research Writing, or Technical Writing for the composition credit.

Technical Writing

Course Number: HS9873
Length of Course: 1 semester
Credits Earned: ½ credit **Grade Level:** 12

This is a one semester course designed to expose students to writing and professionalism in the workplace and at higher education institutions. The course will focus on the writing of resumes, applications, memos, reports, and presentations. Concepts of this course will include written communication, proofreading, document formatting, editing, and style guides. Students will engage with businesses and professional representation in our community. Focus for post secondary application will be high as students need to obtain these skills for use in today's demanding world. This course will count as credit for the Composition component of English 12.** This class will count as a composition credit for 12th grade. Students may choose either English 12 B, Research Writing, or Technical Writing for the composition credit.

English Language Learner (ELL) Courses

EL Support A/B **Course Number:** HS1911/HS1912
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9-12 *by teacher recommendation & test scores*
This course focuses on: further development of non-fiction writing in essay format, including advanced grammar for the construction of clear, complex sentences; research and documentation skills for writing reports and summaries; acquisition of general academic vocabulary with reading strategies for comprehension of content-area reading; listening and note-taking skills to understand a variety of academic lectures and media presentations; practice with group discussion and class presentations; and test taking strategies.

ENG A/B LL Level 2 A: Language Development **Course Number:** HS9845/HS9846
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9-12 *by teacher recommendation & test scores*
This course focuses on: the use of English to interact successfully with peers and adults according to audience, purpose, and setting; grammatical conventions of English usage, particularly identification of all parts of speech and the use of verb tense to construct sentences; and controlled writing activities focusing on paragraph development using organizational strategies, including topic sentences and supporting details. Students will learn to focus on themes and ideas as a basis for writing. They will learn to follow the stages of the writing process, from generating ideas to drafting , revising, proofreading, editing, and publishing.

Language Skills Level 2 A/B: Academic Skills and Reading Strategies **Course Number:** HS1914/HS1915
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9-12 *by teacher recommendation & test scores*
This course focuses on: reading with developing fluency for multiple purposes including literature and informational text; application of reading strategies to texts with controlled reading levels in a variety of fiction and non-fictions genre; mastery of additional high frequency vocabulary with increased recognition of vocabulary in academic contexts; and development of listening comprehension, note-taking skills, and self expression for personal and academic purposes. Students will also have opportunities for extensive, individualized reading practice.

ENG A/B LL Level 3 : Language Development **Course Number:** HS9852/HS9853

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9-12 *by teacher recommendation & test scores*

This course focuses on: grammatical conventions such as integrating verb tenses, clauses, and indirect speech; contextualized writing tasks moving from the format of the paragraph to the construction of five-paragraph essays using thesis statements, supporting details, and introductory and concluding paragraphs; and further application of organizing principles in a variety of rhetorical forms of writing such as cause and effect, informative/explanatory, problem and solution, written summaries, and personal expression. Students will use the writing process to integrate grammar, vocabulary, and rhetorical objectives in theme-based academic writing.

Language Skills Level 3 A/B **Course Number:**HS1917/HS1918

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9-12 *by teacher recommendation & test scores*

This course focuses on: development of additional reading strategies, applied to both literature and informational text, with emphasis on identifying main ideas and supporting details, separating fact from opinion, outlining, predicting, identifying author's purpose, describing characters and themes in modified selections of literature; development of vocabulary in theme-based contexts; listening for main ideas and organizing principles in academic lectures; and strategies for active participation in group projects, discussions, and individual presentations. Students will also have opportunities for extensive, individualized reading practice.

ENG A/B LL Level 4 **Course Number:** HS9857/HS9858

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9-12 *by teacher recommendation & test scores*

This course focuses on: further development of non-fiction writing in essay format, including advanced grammar for the construction of clear, complex sentences; research and documentation skills for writing reports and summaries; acquisition of general academic vocabulary with reading strategies for comprehension of content-area reading; listening and note-taking skills to understand a variety of academic lectures and media presentations; practice with group discussion and class presentations; and test taking strategies.

English Language Learner Courses

ELL Science Inquiry A/B **Course Number:** HS7583 HS7584

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9
Prerequisite: 9 by teacher recommendation, Placement Test Score, WIDA Score

This highly engaging, hands on science course is designed to provide ELL students with an interactive approach to gaining proficiency in utilizing the Scientific Method, experimental data collection, accurate graphing, problem solving, using scientific equipment for measurement purposes, SAT style problem solving, exploring scientific career opportunities for the future, and utilizing scientific study methods to help better prepare students for future science courses. Many relevant current events and situations plaguing our planet will be addressed as we discuss the cause and effect relationship and hypothesize possible solutions.

ELL Biology I A/B **Course Number:** HS7046 HS7047

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 9, 10
*Biology I **may not be** taken concurrently with Chemistry I*

The goal of Biology One is to better understand the processes needed of living organisms to sustain life, and their interactions with their environment.ELL students will complete a comprehensive study of cellular structure and function, ecology, genetics, reproduction of cells, evolution, and the organization of living things. Students will engage in a variety of teacher presentations, group activities, and laboratories.

FOREIGN LANGUAGE

Two Credits of Foerign Language required for graduation
(OR one credit of foreign language and successful completion of one CTE Course)

Foreign Language Courses

Chinese I A/B **Course Number:** HS5012
HS5013

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 9,10,11,12

The objective of this course is to establish a foundation of Chinese in four language skills (listening, speaking, reading and writing). Students learn to use the language meaningfully and begin to develop the facility to communicate in the context of the Chinese-speaking world. Basic grammar and vocabulary are taught in terms of function and application to real-life situations. Students listen to tapes recorded by native speakers, participate in daily speaking and listening activities, and write simple, guided sentences. Using the Chinese dictionary and typing Chinese with a computer will also be introduced so that students become self-learners throughout their lives.

Chinese II A/B **Course Number:** HS5016
HS5017

Length of Course: 2 semesters
Credits Earned: 1 Credit
Grade Level: 9, 10, 11, 12
*Prerequisite: **Must** have passing grade in Chinese I or earned Middle School credit*

This course is a continuation of the development of the four language skills of Chinese: listening, speaking, reading and writing. Students will gain language and cultural knowledge through more complex themes and topics. Some selected readings are studied for increasing comprehension. Writing practice is limited to structural drills and some short compositions with specific criteria for structure and content. Speaking skills are practiced daily in class discussions and prepared conversations. Students will be able to express themselves and understand others in increasingly complex situations.

Chinese III A/B **Course Number:** HS5018
HS5019

Length of Course: 2 semesters
Credits Earned: 1 Credit
Grade Level: 9, 10, 11, 12
Prerequisite: ***Must*** *have passing grade in Chinese II or earned Middle School credit*

This course further develops the fluency in speaking, listening, reading and writing skills in Chinese. Students will extend their ability to communicate effectively and properly in various real-life situations, learn complex grammatical structures, and increase vocabulary using a significant number of characters. Further study of contemporary and traditional Chinese cultural elements will be carried out.

Chinese IV A/B **Course Number:** HS5020
HS5021

Length of Course: 2 semesters
Credits Earned: 1 Credit
Grade Level: 10, 11, 12
Prerequisite: ***Must*** *have passing grade in Chinese III*

This course focuses on a higher level of study in listening, speaking, reading and writing skills in Chinese. Students learn to produce correct sentences, write in paragraphs, create cohesive discourse, and express themselves fluently and spontaneously without much obvious searching for expressions. Students will read varieties of authentic materials, and gain extensive Chinese cultural knowledge.

Spanish I A/B /OL Spanish A/B **Course Number:** HS5210
HS5215
Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 9, 10, 11, 12

The beginning level of Spanish helps students to develop proficiency in speaking, reading, and writing in simple sentences. This course will help students increase their knowledge and appreciation of the diverse cultures of the countries whose language they are learning.

Spanish II A/B **Course Number:** HS5220 HS5225

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10, 11, 12
*Prerequisite: **Must** have passing grade in Spanish I*

Spanish II will review and continue the basic skills of listening, speaking, reading, and writing. The class will focus on communication competence and grammatical structures. Students will continue to explore the different cultures of the Spanish-speaking world.

Spanish III A/B **Course Number:** HS5234 HS5235

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12
*Prerequisite: **Must** have passing grade in Spanish II*

Spanish III students will continue to study various grammatical structures, vocabulary development, and proficiency in writing and oral competence. Students will be introduced to Spanish literature.

Spanish IV A/B **Course Number:** HS5244 HS5245

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 12
*Prerequisite: **Must** have passing grade in Spanish III*

Emphasis will continue to be on proficient-speaking and writing skills, grammatical structure, and increased oral competency. There will be increased study of Spanish literature and awareness of the achievements of the Hispanic people.

MATHEMATICS

Mathematics Sequence
4 Credits Required

Algebra I and Geometry are required by the State of Michigan for graduation in addition to a math or "math related" course to be taken in your senior year.

	Course Sequence		
8th	Algebra I		
9th	Geometry **OR** Honors Geometry	Pre Algebra	Algebra
10th	Algebra II **OR** Honors Algebra II	Algebra	Geometry **OR** Honors Geometry
11th	Pre-Calculus	Geometry	Algebra II **OR** Honors Algebra II
12th	AP Calculus OR Math Related Course	Algebra II	Pre-Calc OR Math Related Course

The sequencing of courses above are just examples of ***possible*** course paths. Please contact your counselor if you have any questions about the math requirements, sequencing, or course descriptions.

4th Year Math Courses include Pre- Calculus, AP Calculus and Statistics as well as those courses approved by the Fitzgerald Board of Education as Math–Related.

Pre-Algebra A/B

Course Number: HS0023
HS0123

Length of Course: 2 semesters
Credits Earned: 1.0 credits
Grade Level: 9
A math course for students with pre-Algebra needs based on test scores.

Pre Algebra is designed to serve as a bridge to prepare students for Algebra I. This course will build a foundation of algebraic concepts through the use of technology, manipulatives, problem solving, and cooperative learning. Problem solving, reasoning, estimation, and connections between math and everyday applications will be emphasized throughout Pre-Algebra. Topics such as fractions, decimals, percents, ratios, proportions, integer operations, and solving equations are covered.

Elements of Pre-Algebra A/B

Course Number: HS0128
HS0125

Length of Course: 2 semesters
Credits Earned: 1.0 credits
Grade Level: 9
A math course for students with pre-Algebra needs based on test scores.

Pre Algebra is designed to serve as a bridge to prepare students for Algebra I. This course will build a foundation of algebraic concepts through the use of technology, manipulatives, problem solving, and cooperative learning at an individualized pace. Problem solving, reasoning, estimation, and connections between math and everyday applications will be emphasized throughout Pre-Algebra. Topics such as fractions, decimals, percents, ratios, proportions, integer operations, and solving equations are covered.

Algebra I A/B

Course Number: HS4040
HS4045

Length of Course: 2 semesters
Credits Earned: 1.0 credit
Grade Level: 9, 10, 11
Required of incoming Freshmen who have not yet earned credit for or mastered the Algebra I content.

Algebra I is a course that builds upon basic arithmetic skills developed in previous courses. Topics covered include linear, quadratic, exponential, and polynomial functions, with emphasis placed on multiple representations and real world examples. The TI-Nspire graphing calculator is used frequently throughout the course.

Elements Algebra A/B

Course Number: HS 4043
HS 4044

Length of Course: 2 semesters
Credits Earned: 1.0 credit
Grade Level: 9, 10, 11

Elements of Algebra I is a course that builds upon basic arithmetic skills developed in previous courses at a more individualized pace. Topics covered include linear, quadratic, exponential, and polynomial functions, with emphasis placed on multiple representations and real world examples. The TI-Nspire graphing calculator is used frequently throughout the course.

Honors Algebra II A/B

Course Number: HS4244
HS4245

Length of Course: 2 semesters
Credits Earned: 1.0 credit
Grade Level: 9, 10, 11
*Prerequisite: **Must** have earned a Grade of C or better in **Algebra I** AND Teacher Recommendation. May be taken concurrently with Geometry or Honors Geometry.*

Honors Algebra II covers all of the topics in Algebra II, but on an accelerated basis. These include (but are not limited to): univariate data, probability, sequences and series, conic sections, matrices, periodic functions, rational functions, and trigonometric functions. These topics build upon ideas established in Algebra I. The TI-Nspire graphing calculator is used frequently throughout the course.

Algebra II A/B

Course Number: HS4225
HS4230

Length of Course: 2 semesters
Credits Earned: 1.0 credit
Grade Level: 9, 10, 11
Prerequisite: Must have Passed Algebra I A&B, and May be taken concurrently with Geometry.

Algebra II is a 2 semester study of various algebraic topics. These include (but are not limited to): univariate data, probability, sequences and series, conic sections, matrices, periodic functions, rational functions, and trigonometric functions. These topics build upon ideas established in Algebra I. The TI-Nspire graphing calculator is used frequently throughout the course.

Geometry A/B **Course Number:** HS4160 HS4165

Length of Course: 2 semesters
Credits Earned: 1.0 credit
Grade Level: 10, 11, 12
Prerequisite: Successful completion of Algebra I. May be taken concurrently with Algebra II.

Geometry is an introduction to the mathematics of the physical world. Topics covered will include: points, lines, planes, triangles, polygons, circles, surface area, volume, and trigonometric ratios. Emphasis will be placed on practical world applications and logical reasoning. The TI-Nspire graphing calculator is used frequently throughout the course.

Elements of Geometry A/B **Course Number:** HS4168 HS4169

Length of Course: 2 semesters
Credits Earned: 1.0 credit
Grade Level: 10, 11, 12
Prerequisite: Successful completion of Algebra I. May be taken concurrently with Algebra II.

Elements ofGeometry is an introduction to the mathematics of the physical world taught at a more individualized pace. Topics covered will include: points, lines, planes, triangles, polygons, circles, surface area, volume, and trigonometric ratios. Emphasis will be placed on practical world applications and logical reasoning. The TI-Nspire graphing calculator is used frequently throughout the course.

Honors Geometry A/B **Course Number:** HS4248 HS4249

Length of Course: 2 semesters
Credits Earned: 1.0 credit
Grade Level: 10, 11, 12
Prerequisite: Successful completion of Algebra I. May be taken concurrently with Algebra II. Instructor approval required.

Honors Geometry is an introduction to the mathematics of the physical world. Honors Geometry will include a brief introduction to the building blocks of geometry (points, lines and planes) and a more in-depth study of triangles and their properties, polygons, circles, surface area, volume and trigonometric ratios, and logical reasoning through the use of proofs. This rigorous course moves more rapidly and studies the topics in greater detail than in regular Geometry, and will include a project for each unit.

Statistics

Course Number: HS4030

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11, 12
Prerequisite: Successful completion of Algebra II. May be taken concurrently with any Math class except Algebra 1. May be used to fulfill senior year math requirements.

Statistics is an introductory course designed to teach students the fundamentals of statistical analysis in the real world. Topics covered include probability, measures of central tendency, data gathering & analysis, interpretation of graphs, confidence intervals and hypothesis testing. The TI-Nspire graphing calculator is used frequently throughout the course.

Pre-Calculus A/B

Course Number: HS4444
HS4445

Length of Course: 2 semesters
Credits Earned: 1.0 credit
Grade Level: 11, 12
Prerequisite: Grade of C or better in Algebra II and Geometry/Honors Geometry OR with Instructor Approval

Pre-Calculus is a rigorous functions based course that sets concepts into proper perspective for the study of calculus. Much emphasis is placed upon manipulating trigonometric identities, advanced algebraic skills, multi-variable linear equations, and advanced physics based mathematics. This course heavily incorporates the use of technology in order to easily explore real-life applications. This course is designed for students with college aspirations. The TI-Nspire graphing calculator is used frequently throughout the course.

AP Calculus A/B

Course Number: HS4451
HS4452

Length of Course: 2 semesters
Credits Earned: 1.0 credit
Grade Level: 12
Prerequisite: Grade of C or better in Precalculus OR with Instructor Approval

Calculus is an intense mathematics course designed for college-bound students. Calculus is a culmination of mathematics as it applies to the real world around us. The course is divided into three main categories: limits, derivatives, and integrals. A strong emphasis on technology is placed while studying these topics. The end goal of this course is completion of the Advanced Placement Test. A graphing calculator is required for this course.

Instrumental Courses

PERFORMING ARTS DEPARTMENT

Concert Band 9th Grade A/B **Course Number:** HS5521 HS5522
Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 9 *By Selection Only*

9th Grade Concert Band is an organization of student musicians with the determination to develop advancing musicianship through tone, technique, and a variety of musical styles. The band performs at high school assemblies, concerts, district and state festivals. Previous musical training required.

Symphony Band A/B **Course Number:** HS5531 HS5532
Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10-12 *By Selection Only*.

An organization of highly selected student musicians with the experience and capability of performing worthwhile and often difficult music. The band performs at high school assemblies, winter and spring concerts, and district and state festivals. Previous musical training required. This course may be taken more than once for credit.

Wind and Percussion Ensemble A/B **Course Number:** HS5571 HS5572
Length of Course: 1 or more years – 1 or more credits
Credits Earned: 1 credit
Grade Level: 10, 11, 12 *By Audition Only*

This select band will have a limited instrumentation. It will study advanced band literature with emphasis on style and interpretation. The ensemble will perform at numerous concerts during the year both on and off campus as well as the district and state band festivals. After school rehearsals and performances will be required. Students selecting this performance group cannot be in Symphony Band on the same instrument. Entrance into the Ensemble is by audition **ONLY.** This course may be taken more than once for credit.

Spartan Marching Band

Course Number: HS5550

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12

This band meets every day at 6:20 a.m. from August to November and will perform at home varsity football games, pep assemblies, the homecoming parade, parades, band days, etc. A student electing this course is expected to attend **all events** of the marching season, including summer marching band camp, as well as after-school sectionals and a minimum of one night/week for rehearsal.

Because of the nature of this organization (high visibility-performance intensive) and the importance of individual participation, the deadline for dropping this course will be ***before the first Friday*** following the opening of school. This course may be taken more than once for credit.

Jazz Band

Course Number: HS5595

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12

Jazz Band is open to all band students enrolled in a full year of concert band (9th Grade Band, Symphony Band, Wind Ensemble). In this class students will learn how to play Jazz, Pop, Rock, and R&B music. We will perform our music at various concerts and events throughout the school year. Students will receive a 1/2 VPAA credit for this class. Students must be enrolled in a concert band to select this course This course may be taken more than once for credit.

Concert Choir A/B

Course Number: HS5630

Length of Course: 1 or 2 semesters
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12
May be taken more than once for credit.

A basic course, including music reading, theory, and the techniques of singing. Some after school performances at assemblies and concerts will be required. This course may be taken more than once for credit.

Piano Keyboarding

Course Number: HS5670

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12

Students learn basic piano keyboarding skills using computer software and a beginning piano book. This course is offered to all students with an emphasis on those students who have little or no music experience. Communication Arts Academy students can use this course to fulfill their performance requirement.

Music Theory and Technology I A/B

Course Number: HS5650
HS5651

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 9, 10, 11, 12
Prerequisite: *Computer knowledge of MS WORD or equivalent*

Learn music theory from beginning notation to 4-part harmony and simple form writing with Finale notation software. This course is computer and technology based, therefore, a basic knowledge of computer use is required. No previous music background is required, however to ensure curriculum coverage, the class will move at a rapid pace.

Music Theory and Technology II A

Course Number: HS5655

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10, 11, 12
Prerequisite: *C or better in Music Theory I*

Students will write original compositions in a variety of styles, using notation software learned in Music Theory I. Students will also learn history and writing techniques used in the major music periods including Baroque, Classical, Romantic and the 20th century. This is a project/task-based course requiring self discipline and self motivation.

Music Theory and Technology II B **Course Number:** HS5675

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10, 11, 12
Prerequisite: *Must pass Music Theory I with C or better*

Students will write original compositions in a variety of styles, using notation software learned in Music Theory I. Students will also learn history and writing techniques covering the popular music styles of the 1950's-1990's. This is a project/task-based course requiring self discipline and self motivation.

Theatre Courses

Basic Theater

Course Number: HS5701

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12
May be repeated only one time.

This class will focus on units in script analysis, character analysis, set design, stagecraft, pantomime, improvisation, monologue, acting, and auditioning. The major emphasis will be on an individual's ability to develop and use a range of emotional expressions to portray complex characters. Each semester will end with students showcasing performances in a variety show in front of a live audience.

Advanced Theater Production A/B

Course Number: HS5712
HS5713

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: Grade 10, 11, 12 (Grade 10 / requires teacher approval)
Prerequisite: 1 semester of Basic Theater. May be taken more than once for credit.

Students must take a full year of Advanced Theater Production. Study will focus on acting and stagecraft techniques with emphasis on theatrical performances. This class will touch on all aspects of play production. Selected activities related to acting, directing, producing, stagecraft, script writing and analysis are included. A production of two major plays as well as a Comedy Show production and performance will be part of the course work. Some after-school rehearsal will be required for the previously mentioned productions. After-school and weekend rehearsals/performances will be required for all productions.

Speech Courses

Broadcast Speech

Course Number: HS2405

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10, 11, 12

This course is designed for students to participate in Television broadcasting situations in order to develop their writing style, integrate real-life themes into writing and speaking, and build confidence when presenting before an audience. Students will learn to critically examine today's media, and recognize bias. Students will participate in the production of the Daily Announcements acting as both the on-screen talent and behind-the-scenes operations. All students will learn how to effectively utilize broadcasting equipment including teleprompter, studio cameras, switchers, sound boards, studio lights and more. Students will also participate in the creation of short video projects, using Final Cut Pro editing software. Projects include news reports, editorials, sports segments, commercials, interviews, public service announcements and more.

Public Speaking

Course Number: HS2410

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11, 12

This course provides a fundamental approach to public speaking through the development of oral and communication skills and individual speech techniques. This course consists of an in-depth examination of public speaking skills including: research, performance, technique, and more. Students will experience interpersonal opportunities using and developing communication skills as it relates to the course objectives.

PHYSICAL EDUCATION and HEALTH

A Physical Education ½ credit may be earned by either two years of marching band or two seasons of school sponsored varsity athletics. Locks are furnished, but they must be paid for if they are lost. The Fitzgerald High School gym uniform consists of appropriate athletic wear that students can provide. **One class of PE is required for graduation.**

Physical Education

Course Number: HS3960

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12

Physical education activities include team sports, swimming, soccer, volleyball, physical fitness, softball, water safety, and basketball. -

Strength Training

Course Number: HS3970

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10, 11, 12

Designed primarily to build muscular strength, endurance, and flexibility. Program will include weightlifting, cardiovascular fitness, and a plan for lifelong physical fitness. *May be taken more than once for credit.*

Advanced Strength Training

Course Number: HS3975

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10, 11, 12
Prerequisite: 1 semester of Strength Training.

Designed primarily to build muscular strength, endurance, and flexibility. Program will include individual focus on personal health goals, understanding of technical tools to assist with gauging your health, advanced weightlifting, cardiovascular fitness, and a plan for lifelong physical fitness. Teacher recommendation should be obtained prior to signing up for this course. *May be taken more than once for credit.*

Individual Sports

Course Number: HS3985

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10, 11, 12

This course provides students with the opportunity to enhance their knowledge and skill level in various individual sports. Students will learn rules and strategies in a competition forum. These sports may include pickleball, badminton, swimming, running, personal fitness and strength training.

Sports Education

Course Number: HS3990

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10, 11, 12

This class utilizes team sports to foster coaching and referee techniques, athletic injury and prevention strategies and nutritional information which include supplement usage.

Essential Health & Living Skills/ OL Health

Course Number: HS6903

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12

This class covers the importance of healthy habits and eating. Fulfills the state's health requirement.

SCIENCE

Science Sequence
3 Credits Required

Biology I, Chemistry I <u>OR</u> Physics, and one additional credit in Science are required for graduation.

	Course Sequence	
9th	Biology A/B	Science Inquiry A/B
10th	Chemistry A/B **OR** Physics A and B	Biology A/B
11th	Elective	Chemistry A/B **OR** Physics A/B
12th		

****EITHER Chemistry A and B OR Physics A and B are required for Graduation. Students may take both courses to fulfill their required 3.0 credits of science.***

<u>11th / 12th Grade:</u>

<u>AP Biology</u>
Honors Class

<u>11th/ 12th Grade:</u>

<u>Chemistry II</u>
Honors Class

<u>11th/ 12th Grade:</u>

<u>Human Anatomy</u>

<u>10, 11, 12 Grade:</u>

<u>Environmental Studies</u>

<u>11, 12 Grade:</u>

<u>Forensics</u>

Science Inquiry A/B

Course Number: HS7581

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9
Prerequisite: 9 by teacher recommendation, Placement Test Score, MEAP Science Score

This highly engaging, hands on science course is designed to provide students with an interactive approach to gaining proficiency in utilizing the Scientific Method, experimental data collection, accurate graphing, problem solving, using scientific equipment for measurement purposes, SAT style problem solving, exploring scientific career opportunities for the future, and utilizing scientific study methods to help better prepare students for future science courses. Many relevant current events and situations plaguing our planet will be addressed as we discuss the cause and effect relationship and hypothesize possible solutions.

Biology I A/B

Course Number: HS7040
HS7045

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 9, 10
*Biology I **may not be** taken concurrently with Chemistry I*

The goal of Biology One is to better understand the processes needed of living organisms to sustain life, and their interactions with their environment. Students will complete a comprehensive study of cellular structure and function, ecology, genetics, reproduction of cells, evolution, and the organization of living things. Students will engage in a variety of teacher presentations, group activities, and laboratories.

Chemistry I A/B

Course Number: HS7100
HS7105

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10, 11, 12

The goal of Chemistry One is to better understand the material world in which we live and the effects of human actions. Students learn about matter and how it behaves through teacher presentations, group activities, laboratory investigations and computer research. Core concepts include scientific method, properties of matter, physical and chemical change, atoms, periodic table, chemical formulas, chemical names, chemical quantities, chemical reactions, kinetic energy, gas laws, electron configurations, bonding, acids and bases, and nuclear chemistry.

Environmental Studies

Course Number: HS7550

Length of Course: 1 semester
Credits Earned: ½ credit

Students study fundamental Ecology principles and current environmental issues through teacher discussions, hands-on laboratory and school garden experiments, computer simulations and when possible, field trips.

Physics

Course Number: HS7514
HS7515

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10, 11, 12
Prerequisite: *Suggested: Earned a B or better in Algebra II and/or Geometry.*
**May be used as Math Related Credit*

Topics are examined through hands-on application, experimental processing, research projects, Internet involvement, and group interaction. The goal of this course is to allow students a means to establish a true understanding and retention of the physical sciences. A strong background in Algebra I and II is recommended.

AP Biology

Course Number: HS6770
HS6771

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12
Prerequisite: *Must have received a B or better Chemistry I A and B and have a signed teacher recommendation.*

The goal of Advanced Placement Biology is to provide our students with an intensive study of how the concepts learned in Biology I and Chemistry I combine to create the complex processes of the world. Students are engaged in a variety of student driven experimental studies in which students are responsible for understanding and executing all aspects of the scientific method. Students are required to perform complex data analysis, dissection of vertebrates, microscopy skills, microbiology techniques, predicting inheritance patterns, and other advanced science techniques. This course is recommended for all students pursuing a health, engineering, or other higher education degree in which science is a requirement. **Students taking this course will have an opportunity to take the AP Biology test for college credit.**

Chemistry II A/B

Course Number: HS7531
HS7532

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12
Prerequisite: *Must have passed both Chemistry I A and B with at least a C and have a signed teacher recommendation.*

Chemistry Two is recommended for all students wishing to pursue careers in engineering, science, and/or health care. This course enables students to better understand how matter and the changes that matter undergoes affect their present and future world. The concentration of study is problem solving in the areas of physical chemistry, organic chemistry, biochemistry and nuclear chemistry. Students participate in class through research projects, discussions and activities, and laboratory investigations.

Human Anatomy

Course Number: HS7400

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11, 12

Students will participate in hands-on activities such as dissection and other lab practicum. This class utilizes a college textbook so there will be a rigorous reading level. Homework, memorization of the body parts and functions, projects and labs are essential components to this course. The course will work on the order of structure: cells, tissue, organs, organ systems, and the human body as a working machine. This course is recommended for any student going into the field of health, first-aid, medicine, physical wellness and fitness.

Forensics

Course Number: HS9517

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11, 12

This hands-on class focuses on the collection, identification and analysis of crime scene evidence using knowledge and scientific reasoning. Forensics involves all areas of science including biology, anatomy and physiology, chemistry, physics and earth science with an emphasis on complex reasoning and critical thinking. Throughout the course, students will engage in laboratory exercises, group activities, evaluations of case studies and computer-based activities. In doing so, students will not only further develop their content knowledge but will also be able to strengthen their communication, critical thinking, technology and writing skills.

SOCIAL STUDIES

Social Studies Sequence
3 Credits Required

Textbooks, supplementary materials and current events will be used to develop reading proficiency and problem solving skills. Reading and writing will be integral parts of all courses and included in daily work and examinations.

Grade	Course Sequence
9	US History A/B
10	World History A/B
11	Government or AP Government and Economics

Social Studies Courses

U.S. History I (1865-1945) **Course Number:** HS8128
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10 (recommended for 9th grade)

A survey course that begins with a brief overview of early American history, this course examines the domestic and foreign impact of America's growth into an industrial world power, explores the interwar period (including the Jazz Age, The Great Depression, and the New Deal), and concludes with studies of causes and consequences of WWII.

U.S. History II (1945-Present) **Course Number:** HS8129
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10 (recommended for 9th grade)

A continuation of U.S. History I, this course examines post WWII America emphasizing US foreign policy related to the Cold War, changes in social and economic policies, the Civil Rights Movement, and the changing role of the United States resulting from the end of the Cold War and globalization.

World History I (300 CE -1800 CE) **Course Number:** HS8150
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10 (recommended for 10th grade)

Students will investigate the social, economic, political, and religious characteristics of European, African, Asian, Russian, Native American and Arabic history beginning in 300 CE and ending in 1800CE. Secondly, students will analyze the causes for and consequences of the first global age from the 15th to the 18th centuries (CE). Throughout the semester, students will compare the events of the past to current events of today.

World History II (1800 - Present) **Course Number:** HS8160
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10 (recommended for 10th grade)

Students will evaluate the causes for the rise of Western European powers, its impact upon the people of the world, its relation to the two world wars and its contribution to the creation of a bipolar, Cold War world. Students will also examine how the events of the past have led to the world we live in today.

Economics **Course Number:** HS8180
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11, 12

Economics is a course which introduces students to the basic principles of micro and macro economics. These concepts and principles are studied and applied at the individual, business, and governmental levels to enable students to function effectively as participants in an increasingly connected world economy.

American Government **Course Number:** HS8220
Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11, 12

A survey course exploring the framework and operation of our government tracing it from pre-revolutionary times to the present. Focus will be placed on students becoming independent members of society using knowledge of our government as well as the international community and actively participating with our government.

AP American Government A/B

Course Number: HS6780
HS6781

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12

AP American Government is a practical study of the American political system designed to inform students about the system of government in the United States. This is an in depth, 2 semester course that is equivalent to one semester of an introductory college level U.S. Government and Politics course. A strong emphasis is placed on current issues and events. This course may be taken in place of the American Government course to fulfill your government graduation requirement, or it may be taken for credit after prior completion of the American Government course. This course is designed to prepare students to be successful with the Advanced Placement Exam.

Psychology A

Course Number: HS8190

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11, 12

An introduction to the basic theories and principles of human behavior and development and exploration of the major theories of personality development, including how our growth is shaped by our social environment, psychological disorders, as well as how and why individuals behave in group and societal settings.

Leadership

Course Number: HS9900

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 11, 12
Participation in this course requires teacher approval

The FHS Student Leadership Class is a unique opportunity for **selected** Junior and Senior students. Participation in this course is a privilege and the responsibilities must be taken seriously as a large portion of the class is self-directed. The purpose of this class is to learn the foundations of leadership through personal exploration and group project planning. Coursework includes: identification on personal leadership styles, creation of personal leadership philosophy, learning effective leadership qualities, as well as the proposal, planning, execution and evaluation of a class project. Other course topics include organizational skills, conversation skills and behavior management strategies. The overall goal of this course is to make a positive impact on Fitzgerald High School and its community.

Career Technology Courses

Courses with * are approved CTE courses

Automotive Technology Courses

Automotive Courses

Introduction to the Automobile **Course Number:** HS8400

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12

This course is intended to give students knowledge of the essential elements of today's automobiles. The goal of the course is to produce a driver that can take care of basic maintenance and small general repairs to their own vehicle. Students will also know what it means to "own" a vehicle. By the end of the course, students will become an informed consumer in that they will know what questions to ask when fixing and/or purchasing a car and how to properly speak about their vehicle when it needs to be repaired.

ASE/NATEF Auto Tech I A/B* **Course Number:** HS8401
HS8402

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10, 11, 12
**May be used as 12th Grade Math Related Credit*

Introduction to Automotive Technology – An instructional unit which is to include instruction on fundamental skills necessary to be successful in the automotive service industry. The course will include instruction on the use of hand tools, fasteners, hoists, jacks, wiring, safety, and shop orientation. Basic automotive service skills including tire service, preventative maintenance, basic electricity, and cooling system service will be included. With successful completion of trimester one, students will have basic automotive employability requirements.

Focus-Brakes – An instructional unit which is designed to introduce the principles and operation and servicing of brake systems. Upon completion of this course, students will demonstrate an understanding and service knowledge of disc brakes, drum brakes, hydraulic systems and electrical components relating to brake systems. Electronic ABS will be covered with emphasis on diagnosis and repair. This course instruction will include 50% hands-on training. Special emphasis will be given to safety procedures, specialty tools, and equipment used in this service area.

ASE/NATEF Auto Tech II A/B*

Course Number: HS8404
HS8405

Length of Course: 2 semesters
Credits Earned: 2 credit (2 Hour Block)
Grade Level: 11, 12
**May be used as 12th Grade Math Related Credit*

Steering and Suspension - An instructional unit which is designed to teach the operating principles and repair of steering and suspension systems, wheel alignment, and balance. Topics for this course include wheel balancing, wheel alignment, suspension systems, steering systems, specialty tools, equipment and supplies used to service steering and suspension systems.

Engine Repair – An instructional unit which is designed to teach the principles and procedures required to rebuild an automotive engine. Students will gain practical experience in engine diagnosis, disassembly, inspection techniques, assembly start-up and adjustment procedures. Emphasis will be placed on starting, charging, and ignition systems. Special emphasis will be placed on safety procedures, specialty tools, fasteners, and equipment used during engine repair.

Electrical and Electronic Systems – An instructional unit which is designed to teach the principles and operation of basic automotive electrical and electronic systems. Students will gain practical experience in the diagnosis, repair and service of electrical circuits. Topics in this course include electrical test equipment schematics, test procedures, batteries, starters, alternators, ignition systems, lighting, accessory circuits, and electronic test procedures.

ASE/NATEF Auto Tech III A/B*

Course Number: HS8407
HS8408

Length of Course: Full year – 2 hours
Credits Earned: 2 credits
Grade Level: 12
**May be used as 12th Grade Math Related Credit*

Engine Performance – An instructional unit that is designed to teach the operating principles and service procedures of engine fuel and ignition systems, emission controls, basic drivability and diagnosis. Students will gain hands-on skills with manufacturers' specialty tools, equipment, and supplies used in servicing these automotive systems.

Manual Transmissions and Axles – An instructional unit that is designed to teach the principles and operation of clutch assemblies, propeller shafts, differentials, drive axles, manual transmissions and transfer cases. Students will gain hands-on skills associated with the basic servicing of these manual drive-line components. Students will also use specialty tools, equipment, and supplies required in this service area.

Automotive Courses

AYES Internships

Course Number: HS8410
HS8411

Length of Course: Full year
Credits Earned: 2 credits
Grade Level: 12

AYES is a dynamic partnership among participating automotive manufacturers, participating local dealers, and selected local high schools/tech prep schools. The goal: to encourage bright students with a good mechanical aptitude to pursue careers in the ever-changing fields of automotive service technology and to prepare them for entry-level positions or challenging academic options.

Gives the junior or senior automotive student the time and opportunity to gain experience in the real world of work. The above options will be monitored and will enhance the seamless transition between school and work. It is expected that the students will continue their education on the post secondary level as part of the above program. In the spring of the junior year, students are placed with AYES (Automotive Youth Education Systems) dealers.

Digital Media Production Courses

Digital Media Production A/B*

Course Number: HS6962
HS6964

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 9, 10, 11, 12

Prerequisite for students wishing to take Advanced Digital Media Production.

This class is designed to meet the needs of students interested in pursuing a career in digital video and television production. Students will learn the techniques of today's video world, including developing story lines, how to use the video camera to get the perfect shot, proper lighting techniques, how to get great sound, and how to decide what to edit. Students will use the same tools as today's professionals including high-resolution video cameras and non-linear editing software. Projects in this class include: slideshows, action sequences, scary movie trailers, music videos, stop motion animation, commercial parodies, and demonstration videos.

Advanced Digital Media Production A/B*

Course Number: HS6966
HS6967

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10, 11, 12
Prerequisite: *A grade of C or better in Intro to Digital Media Production or with teacher approval.*

This course is designed to meet the needs of students pursuing a career in digital video or television production. Students will experience an in-depth hands-on experience creating a variety of short videos. Students will explore advanced editing techniques, including animation. Students will create content for a Student Film Festival presented at the end of the year, hosted by Television Production students, featuring their work for the community. At the end of the course all students will create an individual demo reel: a digital portfolio of their work, that can be used to apply to post-secondary school or work.

Medical Careers and Systems (Formally Intro to Health Careers)

Course Number: HS6790
HS6792

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10, 11, 12
Prerequisite: *Passing grade in Biology I and Algebra I.*

Meets VPAA One (1) Credit Graduation Requirement
Meets Math Related One (1) Credit Graduation Requirement

The program will provide a visual and hands-on experience to explore healthcare careers in all five different pathways. The focus will be on healthcare sciences, medical math, health information and an introduction into the many skills required to work in healthcare. It will provide a work-based learning environment and a look into college readiness. The goal is to provide each student with a unique opportunity to explore and experience many different healthcare careers and create a foundation before choosing their path for the future.

Pharmacy Tech A/B*

Course Number: HS6750
HS6751

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10, 11, 12
Prerequisite: *Passing grade in Biology I and Algebra I. Chemistry recommended.*

Meets VPAA One (1) Credit Graduation Requirement
Meets Math Related One (1) Credit Graduation Requirement

This Health Science Course is geared towards students with an interest in the medical field with a focus on pharmacy. Pharmacy Technician is an entry level position designed to train students as paraprofessionals. A pharmacy technician is a person who works under the direct supervision of a licensed pharmacist and performs many pharmacy-related functions including dispensing, and compounding medications. Pharmacy technicians are employed in a wide variety of practice settings, including community pharmacies, hospitals, the military, in home health care, long term care, mail service facilities, managed health care facilities, and educational/training programs. They assist in pharmacy activities not requiring the professional judgment of a pharmacist. The pharmacy technician is accountable to the supervising pharmacist, who is legally responsible by virtue of state licensure for the care and safety of patients served by the pharmacy. Some students will have an opportunity to complete a non-paid clinical work-based learning experience in a pharmacy. Upon successful completion of this course and earning a high school diploma, the student may take the national exam offered by the Pharmacy Technician Certification Board.

Physical Therapy / Aide I A/B*

Course Number: HS8657
HS8658

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12
Prerequisite: *Passing grade in Biology I and Algebra I. Mobility and moderate strength required.*
Meets Math Related One (1) Credit Graduation Requirement

The Physical Therapy Professional/Aide generally works in a rehabilitation facility or a hospital facility that works to improve patient mobility, relieve patient pain, and prevents or lessens patient physical disabilities. This program is an intense study of the human body and treatments necessary to help patients gain mobility after operations or physical ailments. Human anatomy and various body systems are intensely covered. Patient mobility plans may be a result of a completed medical procedure that can include; extremity limb repairs such as arm, leg and hand fractures or ligament surgeries; back or neck surgery; knee or hip replacement; or a possible stroke victim. The Physical Therapy Professional/Aide works under close supervision of a physical therapist and/or a physical therapy assistant and teaches the necessary skills that are delegated to a Physical Therapy Professional/Aide under their supervision. Such tasks covered are; ordering supplies, filling out insurance forms, movement of patients to/from treatment areas, preparing for a patient's therapy sessions, tracking patient's use of machines and mobility, etc.

Physical Therapy / Aide II A/B*

Course Number: HS8657
HS8658

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12
Prerequisite: *Passing grade in Biology I, Algebra I, and PT I A/B. Mobility and moderate strength required.*
Meets Math Related One (1) Credit Graduation Requirement

This Health Science course is geared towards students who are considering a career as a Physical Therapy Professional/Aide. This course expands on the knowledge that students have gained from Physical Therapy/Aide I A/B and provides students with information on degrees and entry-level career opportunities for becoming a physical therapy aide, physical therapy assistant or physical therapist. This comprehensive Physical Therapy Aide II program will prepare students for the growing field of Physical Therapy, with work-based learning experiences. Expanding on the knowledge and skills introduced in the Physical Therapy Aide I course such as the non-technical duties of physical therapy, students will engage in a project based learning experience that provides a deeper understanding of the skills and knowledge required in an advanced career of physical therapy and prepare them for a clinical experience. Careers in physical therapy may be employed in nursing homes, hospitals, sports rehabilitation centers, and some orthopedic clinics. Students considering secondary education as a physical therapy assistant, physical therapist or any advanced healthcare career will benefit from Physical Therapy Aide II program. To work as a physical therapy assistant, most states require licensing in order to practice, while aides often do not require certification or credentialing and can seek employment directly after graduating from high school. The course strengthens students' skills under the direct supervision of a physical therapist and covers additional details as an extension of the previous course.

Pre-Engineering Courses

Intro to Engineering Design (IED) A/B

Course Number: HS6703
HS6704

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 9, 10, 11, 12
Prerequisite: *Concurrent enrollment or passing grade in Algebra*

IED Part A is an introductory course that develops students' problem solving skills with emphasis placed on the development of three-dimensional solid models. Students will progress from sketching simple geometric shapes to the application of a solid modeling computer software package called Autodesk Inventor 10.0.

IED Part B continues developing student problem solving skills through a variety of projects involving Autodesk Inventor 10.0. Students will learn about the design process and how it is used in industry to manufacture a product. They will analyze and evaluate their own product design.

Principles of Engineering (POE) A/B

Course Number: HS6707
HS6708

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10, 11, 12
Prerequisite: *IED Part A & B*

POE Part A is designed to help students understand the fields of engineering, engineering technology, and their career possibilities. Students will work in design teams using Fischertechnik modular building systems and Lucky Logic programmable software. The students will be exposed to building programming, and designing different types of machine models, i.e. marble sorters. These models will include motors, switches, sensors, and team problem solving.

POE Part B continues developing teamwork, building, programming, and designing using Fischertechnik modular building systems and Lucky Logic programmable software. The focus of this class is for the students to use the knowledge they have learned and apply it to constructing and programming a mobile robot of their own design.

Robotics A/B

Course Number: HS8674

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 9, 10, 11, 12

Robotics A is designed to introduce students to their first computer programming language. Students will gain hands-on experience writing computer programs in the Python Language. Students will also explore physical computing with the Arduino microcontroller. Throughout this class we will complete multiple projects where students will build and program a variety of robotic and electrical prototypes.

Robotics B is a continuation of Robotics A. In this course students will continue to develop programming skills and computational thinking abilities. Students will also gain their first experience writing a basic video game.

Intro to Computer Science

Course Number: HS1452

Length of Course: 1 semester
Credits Earned: 1 credit
Grade Level: 9, 10, 11, 12
**May be used as Math Related Credit for 12th grade students*

This course will implement the Amazon Future Engineer curriculum. It is a one-semester course that aims to introduce students to basic concepts of computer science. The curriculum has been developed by the Amazon Future Engineer program to develop student interest in the field to fill industry job shortages.

Web Design I

Course Number: HS6959

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 9, 10, 11, 12
**May be used as Math Related Credit*

This is an introductory “hands-on” course in which students develop original websites while learning skills, concepts, and techniques necessary for professional web development. No prior computer skills are required. Software includes Adobe’s CS6 applications (DreamWeaver, Flash, PhotoShop, and Fireworks). Design principles are also explored through the creation of original graphic elements. Various student projects will be showcased on the Internet/World Wide Web.

Web Design II

Course Number: HS6960

Length of Course: 1 semester
Credits Earned: ½ credit
Grade Level: 10, 11, 12
Prerequisite: Passing grade in Web Design I
**May be used as Math Related Credit*

A continuation of the skills acquired in Web Design I, this "hands-on" course will focus on more advanced techniques of web development and design. Students will develop independent projects utilizing JavaScript/JQuery, CSS, FLASH animations, and video development. Various student projects will be showcased on the Internet/World Wide Web.

Advanced Web Design I and II

Course Number: HS6713 / HS6714

Length of Course: 1 semester each
Credits Earned: 1/2 credit each
Grade Level: 10, 11, 12
Prerequisite: *Passing grade in Web Design II*
**May be used as Math Related Credit*

Advanced Web Design I and II extend the principles taught in previous web design classes and focus on the creation of interactive dynamic web content. Students may select either or (preferably) both courses. Advanced Web I Exploring full webpage FLASH animation and user interactivity in the development of web-based multimedia apps and action games. Advanced Web II Exploring essential ecommerce techniques utilizing interactive web development and database management, such as online form processing and shopping cart applications.

SPECIAL EDUCATION

Special Education Note:

Fitzgerald High School provides a variety of courses and services to meet the unique needs of all students. All students are encouraged to participate in the general education curriculum to the fullest extent possible. On occasion, a student's disability may adversely impact their performance within the general education classroom and require a specialized classroom for instruction. Students needing special education classes and/or support services are carefully considered on the basis of their Individualized Education Program Team (IEPT) recommendations. For additional information, please contact your child's school counselor or the Student Services Department at 586-757-4044.

Co-Taught Courses

Special Education Courses

The following courses would also be available as Co-Taught sections:

- CT English 9 A/B
- CT English 10 A/B
- CT English 11 A/B
- CT English 12 A/B
- CT Heroes and Villains A/B
- CT Technical Writing A/B
- CT Pre-Algebra A/B
- CT Algebra A/B
- CT Geometry A/B
- CT Algebra II A/B
- CT Science Inquiry A/B
- CT Biology A/B
- CT Chemistry A/B
- CT US History A/B
- CT Economics
- CT World History A/B

CI Program Courses

SS Pre Voc A/B **Course Number:** HS9464/HS9465
Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 10-12
This course consists of guiding students to develop pre vocational skills that will allow them to work in a number of different settings. Students will demonstrate appropriate workplace readiness skills and career information through presentations, videos, lectures and personal research. Students will be able to explain how personal behavior, dress, attitudes and other choices can impact the success or failure of a job applicant.

Basic English A/B **Course Number:** HS9015/HS9016
Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12

This course consists of the various elements to work on increasing a students reading skills, reading comprehension skills and critical thinking about a presented text. The class will include elements of literature, grammar, and writing.

Math Foundations A/B **Course Number:** HS9529/HS9530
Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12

This course consists of using math and applying math concepts in real life situations. Students will be able to identify and compare whole numbers, decimals and fractions, identify the place value of a digit in a number (whole numbers and decimals), round whole numbers, find and describe number patterns. Students will also be able to apply number knowledge to cooking, money and budgeting tasks.

SS Soc Studies A/B **Course Number:** HS9600/HS9605

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12

This course consists of using current events to understand the world and community we live in. Students will assess the influence of television, the Internet, and other forms of electronic communication on the creation and diffusion of cultural and political information, worldwide. Students will also be able to determine the central ideas or information of a primary or secondary source; provide an accurate summary that makes clear the relationships among the key details and ideas.

Science Foundations A/B **Course Number:** HS9510/HS9511

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12

This course consists of science concepts and inquiry in the areas of ecology, global climate change, humans and how they interact with the environment, matter and its interactions, motion and stability, energy, waves and their applications, molecules to organisms, ecosystems and heredity. Students will be able to identify the basic concepts in each area of science and use their understanding to predict outcomes based on a scientific model or law.

Transitions A/B **Course Number:** HS9560/HS9561

Length of Course: 2 semesters
Credits Earned: 1 credit
Grade Level: 11, 12

This course consists of helping students learn skills in the areas of personal growth, safety, food and nutrition, clothing and consumer skills. Students will be able to make personal choices in these areas that lead to independence in their community and living environments.

PLANNING YOUR FUTURE

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Practice PSAT	PSAT	Michigan Merit Exam	SAT
NWEA Reading/Math/Science	ASVAB (optional)	PSAT	ASVAB (optional)
XELLO	NWEA Reading/Math/Sci	SAT	FAFSA Night
Counselor/Student	XELLO	ASVAB (optional)	Financial Aid Workshops
Parent Meetings	Counselor/Student	College Visits	Counselor/Student
Parent/Teacher Conferences	Parent Meetings	Counselor/Student	Parent Meetings
	Parent/Teacher Conferences	Parent Meetings	CTE Technical Assessment
		CTE Technical Assessment	NWEA Reading/Math and Science
		NWEA Reading/Math and Science	
		XELLO	

It is important to proceed through your high school career with a plan in mind. Below you will find an example of a four year plan of work. Regardless of whether you are going to be a senior or freshmen next year, you should still take the time to map out whatever time you have left. This will greatly help the process of course selection as well as making sure you are on track for graduation and meeting both Fitzgerald's and the State of Michigan's graduation requirements.

Imagine Learning (Edgenuity) - ONLINE COURSES

Imagine Learning's (Edgenuity) award-winning courses combine rigorous content with direct-instruction videos from expert, on-screen teachers with interactive learning tools and resources to engage and motivate students. Our online courses for core curriculum, AP®, elective, Career and Technical Education (CTE), dual credit, and credit recovery are based on the rigor and high expectations of state, Common Core, NGSS, and iNACOL standards.
Edgenuity gives schools the flexibility to offer the right courses for your students' needs. Our online courses are available for credit and concept recovery, initial credit, and as honors courses for students who want to further challenge themselves. Designed to inspire lifelong learning, Edgenuity's courses can be used in any blended or online learning model.

ENGLISH LANGUAGE ARTS

English language arts courses are fully aligned to the Common Core.
State versions are also available for states that have not adopted CCSS.

ENGLISH LANGUAGE ARTS 9 A/B

Course Number: HS2015
HS2016

This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's The Odyssey, Shakespeare's Romeo and Juliet, and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

ENGLISH LANGUAGE ARTS 10 A/B

Course Number: HS2116
HS2117

Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty- first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.

ENGLISH LANGUAGE ARTS 11 A/B **Course Number:** HS2216 HS2217

This junior-year English course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F.

ENGLISH LANGUAGE ARTS 12 A/B **Course Number:** HS2315 HS2316

This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

MATHEMATICS

English language arts courses are fully aligned to the Common Core.
State versions are also available for states that have not adopted CCSS.

PRE-ALGEBRA A/B **Course Number:** HS4056 HS4057

This full-year course is designed for students who have completed a middle school mathematics sequence but are not yet algebra-ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study.

ALGEBRA I A/B **Course Number:** HS4046 HS4047

This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common

thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

GEOMETRY A/B **Course Number:** HS4166
HS4167

This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.

ALGEBRA II A/B **Course Number:** HS4246
HS4247

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

SCIENCE

EARTH SCIENCE **Course Number:** HS9152

Students enrolled in this dynamic course explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth. Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.

Online Courses

BIOLOGY A/B **Course Number:** HS7042
HS7043

This compelling two-semester course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.

CHEMISTRY A/B **Course Number:** HS7101
HS7102

This rigorous, full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

PHYSICS **Course Number:** HS7511

This full-year course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.

ENVIRONMENTAL SCIENCE **Course Number:** HS7052

Environmental science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.

SOCIAL STUDIES

U.S. HISTORY I **Course Number:** HS8131

U.S. History I is a yearlong course that dynamically explores the people, places, and events that shaped early United Stateshistory. This course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of the defining moments that shaped the nation of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical-thinking skills by examining the constitutional foundations of U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.

U.S. HISTORY II **Course Number:** HS8132

U.S. History II is a yearlong course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on our country's rise to global prominence. Students will also examine the influence of social and political movements on societal change and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and among multiple perspectives.

SURVEY OF WORLD HISTORY (500 bc) **Course Number:** HS8151

This yearlong course examines the major events and turning points of world history from ancient times to the present. Students investigate the development of classical civilizations in the Middle East, Africa, Europe, and Asia, and they explore the economic, political, and social revolutions that have transformed human history. At the end of the course, students conduct a rigorous study of modern history, allowing them to draw connections between past events and contemporary issues. The use of recurring themes, such as social history, democratic government, and the relationship between history and the arts, allows students to draw connections between the past and the present, among cultures, and among multiple perspectives. Throughout the course, students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events.

MODERN WORLD HISTORY (1400 AD) **Course Number:** HS8161

This yearlong course examines the major events and turning points of world history from the Enlightenment to the present. Students investigate the foundational ideas that shaped the modern world in the Middle East, Africa, Europe, Asia, and the Americas, and then explore the economic, political, and social revolutions that have transformed human history. This rigorous study of modern history examines recurring themes, such as social history, democratic government, and the relationship between history and the arts, allowing students to draw connections between the past and the present, across cultures, and among multiple perspectives. Students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and

political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events. Students also sharpen their writing skills in shorter tasks and assignments, and practice outlining and drafting skills by writing full informative and argumentative essays.

U.S. GOVERNMENT **Course Number:** HS8221

This semester-long course provides students with a practical understanding of the principles and procedures of government. The the course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy changes. Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and judicial opinions. Students also sharpen their writing skills in shorter tasks and assignments and practice outlining and drafting skills by writing full informative and argumentative essays.

ECONOMICS **Course Number:** HS8181

Available as either a semester or a full year, this course invites students to broaden their understanding of how economic concepts apply to their everyday lives—including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats.

GENERAL ELECTIVES

INTRODUCTION TO ART **Course Number:** HS0730

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, this one-semester course provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

Online Courses

PSYCHOLOGY A/B **Course Number:** HS0701
HS0702

This two-semester course introduces high school students to the study of psychology and helps them master fundamental concepts in research, theory, and human behavior. Students analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field. Course components include an introduction to the history, perspectives, and research of psychology; an understanding of topics such as the biological aspects of psychology, learning, and cognitive development; the stages of human development; aspects of personality and intelligence; the classification and treatment of psychological disorders; and psychological aspects of social interactions.

STRATEGIES FOR ACADEMIC SUCCESS **Course Number:** HS4498

Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this one-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.

HEALTH **Course Number:** HS6906

Available as either a semester or year-long course, this high-school health offering examines and analyzes various health topics. It places alcohol use, drug use, physical fitness, healthy relationships, disease prevention, relationships and mental health in the context of the importance of creating a healthy lifestyle. Throughout the course, students examine practices and plans they can implement in order to carry out a healthy lifestyle, and the consequences they can face if they do not follow safe practices. In addition, students conduct in-depth studies in order to create mentally and emotionally healthy relationships with peers and family, as well as nutrition, sleeping, and physical fitness plans. Students also examine and analyze harassment and bullying laws. This course takes covers issues of sex and gender identity, same-sex relationships, contraception, and other sensitive topics.

SPANISH 1A **Course Number:** HS5211

Middle school students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concepts, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish- speaking areas in Europe and the Americas.

SPANISH 1B **Course Number:** HS5216

Students in middle school continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

SPEECH **Course Number:** HS0012

Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this one-semester course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches in the course.

SAT MATH: ADVANCED MATH **Course Number:** HS0749

Students in this course will state, identify, and graph exponential growth functions as well as write an exponential growth function to model a real-world problem, pointing out constraints in the modeling context. Students will look at radical equations and extraneous roots, use quadratic equations to model real world problems, and graph polynomial functions using key factors. This course also focuses on rational and literal equations as well as graphing using a system of related equations. .

SAT MATH: ALGEBRA **Course Number:** HS0748

Students in this course will learn to use a table to organize information given in time-distance-rate and work problems. Students will also write and solve one-variable linear equations to model and solve time-distance-rate and work problems. An introduction to creating and solving inequalities will be an area of study as well as modeling with linear systems. Students will be introduced to systems of linear equations in order to interpret a solution of a system in a modeling context. The course will also delve into writing and graphing equations in two variables as well as point-slope form of a line.

SAT MATH: PROBLEM SOLVING **Course Number:** HS0750

Students will learn how to solve mixture problems and apply percent. Other concepts involved will be: dimensional analysis, regression model, analyzing graphs, conditional probability, and statistical inferences. Focus will also be tailored to linear growth vs. exponential growth. This course will help students make inferences about population from a sample, determine if data is misleading, and describe a data set using measures of central tendency and age. Analysis of standard deviation, including normal distribution curve to determine statistical measures will also be a part of the course and students will apply their knowledge in order to analyze histograms for skewness and symmetry.

SAT MATH: ADDT'L TOPICS IN MATH **Course Number:** HS0747

Students in this course will work with a variety of items such as Cavalieri's Principle and Volume of Composite Figures. They will use operations with complex numbers, analyze circumference and arc length, solving problems using areas of circles and special segments. Students will complete the steps to prove theorems involving similar triangles. Students will also use the Pythagorean theorem, and trigonometric functions and their inverses to solve right triangles.

SAT READING: INFO AND IDEAS **Course Number:** HS0741

Starting off with simple strategies and moving to more advanced, this course helps students identify word patterns, and make inferences using literature such as *The Code Book* and "A Century Ride." Part 1 of the course immerses the student in the Elizabethan period of England as students compare writing styles of late 1800s to modern writing, discuss and infer cultures/values,and use context to figure out unfamiliar words. Students will also enjoy identifying central themes, summarizing main ideas, and connecting to texts such as *The Dark Game*, "A Quilt of a Country," and *Utopia*.

SAT READING: RHETORIC **Course Number:** HS0742

This course will be a study for students to analyze how the author develops central ideas, and critique the author's use of reasoning to support the argument. The course focuses on academic vocabulary to make meaning of text. Analyzing claims will be a focal point in order to recognize the purpose of questioning. Students will work with the following texts: "The Girl Who Silenced the World for Five Minutes," *A Look at the Fast Food Industry*, and *Freakonomics*.

SAT READING: SUMMARIZING **Course Number:** HS0740

Students immersed in this course will be exposed to a number of text structures in which they will be analyzing purpose, style, and central ideas, specifically with informational texts. Cause and effect, How To texts, and Problem-Solution will be interpreted for meaning and tone. Students will also be working with mythology to identify purpose, features, and basic story plots. Students will utilize these skills to build on prior knowledge and gain content area literacy tools to use in all areas of academia.

SAT READING: SYNTHESIZING **Course Number:** HS0743

Focus for this course will be to explore cultural identity through language by analyzing the way an author establishes voice. Evaluation of style and effectiveness of rhetoric will also be a major area of study. Students will look to synthesize and contrast the arguments of two texts. Topics include remeembering and reflecting on the Holocaust and analyzing political messages in World war II. There will also be a study of the Career Information from the Bureau of Labor Statistics website. Students will determine the author's purpose, evaluate text structures, and interpret information in charts and graphs.

SAT WRITING: CONVENTIONS OF USAGE **Course Number:** HS0745

Covering words and basic phrases, this course will assist students in identifying and distinguishing between parts of speech, as well as manipulate them. Functions of a sentence will be analyzed, such as phrases, clauses, compound-complex sentences and gerunds. There will be an introduction to pronouns as well as recognizing agreement and reference. Students will work intensely on using concise wording and correct modifiers, verb tense and writer's voice. Students will also understand how verbs are used and analyze mood.

Online Courses

SAT WRITING: EXPRESSION OF IDEAS **Course Number:** HS0744

Students in this course will learn a variety of skills such as choosing language for context and purpose, how to reference a resource, and choosing precise words to eliminate redundancy. There will be an analysis of word relationships as well as vocabulary study. Students will write two argument essays online, while learning how tone and style affect a writer's piece. Focus will also be on language and conventions in the writing process.

SAT WRITING: SENTENCE STRUCTURE **Course Number:** HS0746

Over the course of these lessons, students will be invited to showcase knowledge of sentence structure, focusing specifically on identifying parts of simple, compound, and complex sentences. Students will differentiate between restrictive and nonrestrictive phrases and clauses. Parallel structure will be a key concept, providing students with the opportunity to revise their skills by choosing words for effect and purpose, applying rules for agreement and grammatical structure, and varying sentence structure. Students will also use graphic organizers to improve sentence formation and understand the function of sentence parts.