

Class Descriptions

2022-2023

GRADES K-2

K-2 ELA

K-2 Art

K-2 Science

K-2 Math Games

K-2 Social Studies

GRADES 3-4

3-4 ELA

3-4 Art

3-4 Science

3-4 Math Games

3-4 Social Studies

GRADES 5-8

5-6 Math

5-8 Art

5-6 Science

5-6 Language Arts

5-8 Drama

5-8 Textiles

5-8 Social Studies – Real Heroes!

5-8 Science – Galaxy!

5-8 Social Studies - Pacific Rim Race

5-8 Science –Tiny Worlds

5-8 Physical Fitness – Walk Fit

5-8 Science – Rocketry – It’s a Blast!

5-8 Social Studies –Modern Myths

5-8 Technology – Speak to the World

GRADE 7-8

7 Washington State History

7-8 Math Lab

8 Social Studies (Sem 1)

7-8 Social Studies (Sem 2)

7-8 Science

7-8 Language Arts

HIGH SCHOOL

HS Literature & Composition

HS Psychology

HS Art

HS Drama

HS Algebra I

HS Algebra II

HS Geometry

HS PreCalculus

HS Personal Finance

HS Science – Physics

HS Photography

HS Computer Science Principles

HS Advanced Computer Science

HS Website Design

HS Learning Lab

HS Math Lab

HS Civics

HS AP US Government & Politics

Grades 1-2

K-2 ELA

Semester: Yearlong
Day and Block: Monday – Blocks 1 & 2
Grade Level Range: 1st - 2nd Grade
Class Size Limit: 20

Course Description: Readers and writer’s workshop will focus on various children’s texts while participating in interactive read alouds and group discussions. Students will produce "how-to" books, poetry pieces, and more. Differentiated instruction will be provided for individual students as well as small groups related to each student's reading capabilities.

Follow-up or at-home activities: .5-1.0 hour of reading per week (suggestion: work up to 20 minutes daily reading)

[**TOP ↑**](#)

K-2 Art

Semester: Yearlong
Day and Block: Wednesday – Block 2
Grade Level Range: 1st - 2nd Grade
Class Size Limit: 20

Course Description: Students will participate in Art lessons based on the Elements and Principles of Design. They will use excellent art materials with an emphasis on process, not product. Students will use a variety of mediums such as watercolor, acrylic paint, ink, colored pencil, and more! The atmosphere in this class is safe and based on individual expression. Focus will be on appropriate grade level expectations and creative endeavors. There is a \$10 course fee to cover materials.

Follow-up or at-home activities: All other K-2 classes follow hours required on learning plan, workbooks, and curriculum they are using at home.

[**TOP ↑**](#)

K-2 Science

Semester:	Yearlong
Day and Block:	Monday – Block 3
Grade Level Range:	1st - 2nd Grade
Class Size Limit:	20
Course Description:	We will be using the FOSS program which provides students and teachers meaningful experiences through engaging with active participation in scientific practices. The FOSS program allows students to participate in different experiments every session, as well as keep a science notebook to keep track of observations, data, and learning. Some concepts we will focus on this year include animals and states of matter.
	Follow-up or at-home activities: Follow hours required on learning plan, workbooks, and curriculum using at home.

[TOP -](#)

K-2 Math Games

Semester:	Yearlong
Day and Block:	Wednesday – Block 1
Grade Level Range:	1st - 2nd Grade
Class Size Limit:	20
Course Description:	Students will practice their math skills in an interactive and collaborative way by of participating in math and number talks, partner and group games, and more! This class will give students the opportunity to practice their current math skills with their peers which will strengthen current mathematical knowledge as well as build upon social emotional skills through team and partner work. Students should be working on a full-time math curriculum at home, so they are well versed in basic math facts and current concepts. Students will be most successful when they come to this class with that background knowledge.
	Follow-up or at-home activities: Follow hours required on learning plan, workbooks, and curriculum using at home.

[TOP ↑](#)

K-2 Social Studies

Semester: Yearlong
Day and Block: Monday – Block 4
Grade Level Range: 1st - 2nd Grade
Class Size Limit: 20

Course Description: Students will learn about the maps, globes, cardinal directions, and more. Students will study geographical, cultural, and historical features of the 7 continents as well as specific countries related to each continent such as Egypt, Nigeria, and more. This is a project-based class where students will participate in hands on learning individually and in partnerships or groups on specific art, food-based, or writing projects.

Follow-up or at-home activities: Follow hours required on learning plan, workbooks, and curriculum using at home.

[**TOP ↑**](#)

Grades 3-4

3-4 ELA

Semester: Yearlong
Day and Block: Monday – Blocks 1 & 2
Grade Level Range: 3rd – 4th Grade
Class Size Limit: 20

Course Description: Students will read, write, discuss, and complete projects using fiction and non-fiction texts of varying lengths. Language study and skill development, including grammar and vocabulary will be part of weekly study. We will continue the best use of the Units of Study curriculum and resources with an emphasis on the Biography Character units of study. This class has a \$10 course fee for a Scholastic Storyworks magazine.

Follow-up or at-home activities: .5-1.0 hours each week: Independent Reading Log, Storyworks Magazine. Expect to complete one Book Report Project and at least one additional Student-centered Project remotely.

[TOP ↑](#)

3-4 Art

Semester:	Yearlong
Day and Block:	Wednesday – Block 4
Grade Level Range:	3 rd – 4 th Grade
Class Size Limit:	20
Course Description:	Students will participate in Art lessons based on the Elements and Principles of Design. They will use excellent art materials with an emphasis on process, not product. They will be designing, drawing, painting, printing, carving and using clay. The atmosphere in this class is safe and based on individual expression. Focus will be on appropriate grade level expectations and creative endeavors.
	Follow-up or at-home activities: Students will be expected to keep a sketchbook with 1 hour of sketching per week.
	There is a \$10 course fee to cover materials.

[TOP ↑](#)

3-4 Science

Semester:	Yearlong
Day and Block:	Monday – Block 3
Grade Level Range:	3 rd – 4 th Grade
Class Size Limit:	20
Course Description:	Students will explore both physical and life sciences through authentic, hands-on experiences. Join others in growing a curiosity, enthusiasm, and the necessary skills for scientific inquiry! Over the course of the year, we will be rotating through a variety of engaging subjects to build knowledge and know-how.
	Follow-up or at-home activities: .5-1.0 hours each week; Participation in the April 2023 RLC Science Expo encouraged and supported during 2 nd quarter.

[TOP ↑](#)

3-4 Math Games

Semester:	Yearlong
Day and Block:	Wednesday – Block 3

Grade Level Range: 3rd – 4th Grade

Class Size Limit: 20

Course Description: Students will practice their math skills in an interactive and collaborative way by participating in math and number talks, partner and groups games, and more! This class will give students the opportunity to practice their current math skills with their peers which will strengthen current mathematical knowledge as well as build upon social emotional skills through team and partner work. Students should be working on a full-time math curriculum at home, so they are well versed in basic math facts and current concepts. Students will be most successful when they come to this class with that background knowledge.

Follow-up or at-home activities: Follow hours required on learning plan, workbooks, and curriculum using at home.

[TOP ↑](#)

3-4 Social Studies – Walk Across America

Semester: Yearlong

Day and Block: Monday – Block 4

Grade Level Range: 3rd – 4th Grade

Class Size Limit: 20

Course Description: This will be a hands-on geographic survey of the United States. Students will use a variety of social studies skills including: map reading, map building, identification of physical features and our states & capitals. Students will have opportunities to learn more about America’s most notable landmarks and citizens past and present. This course will have strong connections to student learning in 2-4 Science and 2-4 English Language Arts.

Follow-up or at-home activities - .5-1.0 hours each week: Storyworks Magazine. 2nd Semester Student-led American State Project.

[TOP ↑](#)

Grades 5-8

5-6 Math Lab

Semester:	Yearlong
Day and Block:	Tuesday – Block 2
Grade Level Range:	5 th – 6 th Grade
Class Size Limit:	24
Course Description:	In this yearlong class, fifth and sixth grade math students will work through their individual math course based on curriculum selected collaboratively by parent and conferencing teacher. The teacher will be available to assist with difficult topics and support students in their efforts. Students who do not have a selected curriculum will work through the online exercises provided by Khan Academy, in conjunction with Engage NY, at the appropriate grade level.

Follow-up or at-home activities: Students should expect to spend 60 minutes, 4 to 5 times a week on math studies, including this lab time.

[TOP ↑](#)

5-8 Art

Semester:	Semester 1
Day and Block:	Tuesday – Block 3 or 4
Grade Level Range:	5 th – 8 th Grade
Class Size Limit:	20 per block
Course Description:	Students will participate in Art lessons based on the Elements and Principles of Art and Design. They will use excellent art materials with an emphasis on process, not product. They will be designing, 3D-sculpture, drawing, painting, adapting, and reflecting. The atmosphere in this class is safe and based on individual expression. Focus will be on appropriate grade level expectations and creative endeavors. This class has a \$15 course fee to cover materials.

Follow-up or at-home activities: Students are expected to spend 1 to 2 hours drawing in their sketchbook weekly at home.

[TOP ↑](#)

5-6 Science

Semester:	Yearlong
Day and Block:	Tuesday – Block 1
Grade Level Range:	5 th – 6 th Grade
Class Size Limit:	24

Course Description: This is a course in 5th & 6th grade science. Concepts covered include scientific method, living systems, mixtures & solutions, and an engineering design unit “Junk Box Wars”. The focus is hands on; most in-class time is spent exploring, experimenting, and presenting results of research or investigations. Students will participate in the PARADE Science Expo in April. Students will use their Office 365 accounts in class and for homework; homework will be assigned weekly and graded.

Follow-up or at-home activities: 1 to 2 hours of homework most weeks.

Textbook/Materials needed: access to internet outside of class is needed. Textbooks and most materials will be supplied by PARADE.

Any student costs: Some materials may be needed from home to complete various projects throughout the year.

This class has a \$12 course fee to cover a science magazine.

[TOP ↑](#)

5-6 Language Arts

Semester: Yearlong

Day and Block: Thursday – Block 1 & 2

Grade Level Range: 5th – 6th Grade

Class Size Limit: 24

Course Description: Students are invited to develop their love of reading and writing with a collaborative community of peers. This class will provide an integrated approach to reading, listening, speaking, and writing instruction based on thematic units, students’ interests, and student’s academic skills and abilities. Students will participate in literature groups, quarterly writing projects around the themes using the writing process and a variety of genres, editing skills, journal writing, and develop independence in learning how to be responsible for homework and classroom assignments. Graded reading and writing homework will be assigned each week. The RSD district adopted curriculum Units of Study will be used for both reading and writing instruction.

Follow-up or at home activities: 2 to 3 hours of homework most weeks, including a weekly reading log. Students will be using their Office 365 accounts to manage in class and homework. Homework will include research, outside silent reading, vocabulary & word study, reading self-selected texts from our units of study, and weekly writing. Students should plan to spend time on language arts daily.

[TOP ↑](#)

5-8 Drama

Semester:	Semester 2
Day and Block:	Tuesday – Block 3 or 4
Grade Level Range:	5th – 8th Grade
Class Size Limit:	20
Course Description:	In this Drama/Theatre class students will learn to use their bodies and voices to convey character, setting and emotion. Theatre games, memorization, and team building exercises will be an important part of this course. Collaborative scene work will be the focus of class time with a culminating performance due at the end of the semester. PARADE drama has a safe supportive class atmosphere and students with no drama experience are welcome.

[TOP ↑](#)

5-8 Textiles

Semester:	Semester 1
Day and Block:	Tuesday – Block 3 or 4
Grade Level Range:	5th – 8th Grade
Class Size Limit:	20 per block
Course Description:	In this Textiles class, students will explore the world of hand-sewing, knitting, crochet, weaving, and pattern design. Emphasis will be on projects that can be completed by hand and used by the student. This will be a safe and supportive environment for beginning and expert creators alike. Students can retake this class and will be encouraged to design their own projects if some projects are repeated. Most materials will be supplied by PARADE, but students will be able to supplement with materials purchased or supplied by their family.

Follow-up or at-home activities: 1 hour per week to finish projects started in class.

[TOP ↑](#)

5-8 Social Studies – Real Heroes!

Semester:	Semester 2
Day and Block:	Tuesday – Block 3 or 4
Grade Level Range:	5th – 8th Grade
Class Size Limit:	20 per block

Course Description: This student-driven, civic-focused course will provide an opportunity to learn about the life and achievements of a noteworthy human being from the past or present. Students will first determine their own definition of a 'real hero,' then use a variety of media literacy skills to research their public personas/candidates. A final biography project will celebrate their heroes with visual, written, and technical components, including 3D modeling and printing.

Follow-up or at-home activities: 2-3 hours each week. **Culminating Project:** Biography Presentation of a Real Hero.

[TOP ↑](#)

5-8 Science – Galaxy!

Semester: Semester 1

Day and Block: Thursday – Block 3 or 4

Grade Level Range: 5th – 8th Grade

Class Size Limit: 20 per block

Course Description: Using the best parts of the *Galaxy* Interact curriculum, this student-driven course invites classmates to role play as cadets enrolled in the MWSA (Milky Way Space Academy). Using the Milky Way as a backdrop, students will learn true facts about our galaxy and basics of 'off-world' navigation. Students will also use basic coding skills to develop a video game that celebrates their 'home world.' The class will culminate with a Graduation Ceremony!

Follow-up or at-home activities: 1-2 hours each week

[TOP ↑](#)

5-8 Social Studies – Pacific Rim Race

Semester: Semester 2

Day and Block: Thursday – Block 3 or 4

Grade Level Range: 5th – 8th Grade

Class Size Limit: 20 per block

Course Description: Students will gain exposure to Pacific Rim countries with the purpose of becoming more aware citizens in our culturally diverse world. Learning activities will be hands on as teams of students work together to research, prepare fact sheets, draw timelines, write short reports, and present information about 16 western Pacific Rim countries as they simulate a "race" from Japan to New Zealand. Students will be given short weekly assignments and will create a "game board"

map of the Pacific Rim. Many materials will be supplied in class. Individual student projects may use materials found or purchased from home.

Follow-up or at-home activities: 1 hour per week.

[TOP ↑](#)

5-8 Science – Tiny Worlds

Semester:	Semester 2
Day and Block:	Tuesday – Block 3 or 4
Grade Level Range:	5 th – 8 th Grade
Class Size Limit:	20 per block
Course Description:	In this hands-on class, students will handle lab equipment and live organisms every week.

Part 1- Microworlds: students explore magnifiers, learning that tools like lenses and microscopes can be used to extend the sense of sight to view objects in greater detail. By observing everyday objects with a variety of lenses, students will learn to use a microscope, learn the functions of all its parts, and practice proper lighting and focusing techniques. Students will prepare their own slides, view live specimens, and watch how they feed, grow, and multiply, developing a sense of microbial life and interactions among living things and between living things and their environment.

Part 2 - Insects Rule the World: students will learn where insects fit in the animal and plant kingdoms. They will experience the variety of insects and learn to identify and categorize them, as well as collect and present a small collection of insects. Students will also learn how insects fit into and affect the ecology of the world.

Follow-up or at-home activities: 1 hour of homework each week, which will include paper & pencil activities, viewing of online resources, and independent exploration of outside environment.

Textbook/Materials needed: All materials supplied by PARADE.

[TOP ↑](#)

5-8 Physical Fitness – Walk Fit

Semester:	Semester 1 or Semester 2
Day and Block:	Thursday – Block 3 or 4
Grade Level Range:	5 th – 8 th Grade

Class Size Limit: 20 per block

Course Description: This class explores the many benefits of walking as a form of exercise and fitness. Students will learn the value of physical activity, while also learning its effects on their own health. Students will be keeping track of their activity, as well as their vital signs before, during, and after our walks.

On days that the weather permits, students will be walking the local trails around the Riverview Learning Center, and on days with inclement weather, students will be engaged other activities in the multipurpose room.

Follow-up or at-home activities: 2+ hours each week of *additional* intentional fitness self-care; Students maintain a Weekly Fitness Log.

[TOP ↑](#)

5-8 Science – Rocketry: It’s a Blast!

Semester: Semester 2

Day and Block: Thursday – Block 3 or 4

Grade Level Range: 5th – 8th Grade

Class Size Limit: 20 per block

Course Description: Few classroom topics generate as much excitement as rockets! The scientific, technological, engineering, and mathematical foundations of rocketry provide exciting classroom opportunities for authentic hands-on, minds-on experimentation. The activities and lessons of this course will emphasize hands-on science, prediction, data collection and interpretation, teamwork, and problem solving. We’ll learn about the history of rockets and basic rocket science. We will build and launch our own rockets. This course has a \$15 fee.

Outside of class, students should expect to put an additional 1-2 hours of work per week on their rocket projects.

[TOP ↑](#)

5-8 Social Studies – Modern Myths

Semester: Semester 1

Day and Block: Tuesday – Block 3 or 4

Grade Level Range: 5th – 8th Grade

Class Size Limit: 20 per block

Course Description: How have various world mythologies influenced modern fiction writers in young adult literature? Authors we study may include the works of Alexander, Cervantes, Cooper, Lee, Lin, Mbalia, Okorafor, Roanhorse, and Riordan, to name just a few. Students will choose a book from the genre to read, study, and then emulate with their own mythology infused fantasy story. Students will be encouraged to look at their own cultural heritage and plumb their mythology for inspiration.

Outside of class, students should expect to put an additional 1-2 hours of work per week in reading and writing.

[TOP ↑](#)

5-8 Technology – Speak to the World

Semester: Semester 1

Day and Block: Thursday – Block 3 or 4

Grade Level Range: 5th – 8th Grade

Class Size Limit: 20 per block

Course Description: Students will delve into the growing world of digital communication by creating their own personal blog and collaborating on class podcasts. Each student will have their own blog attached to a class account, which they can work on during class and on their own time. Writing creative text, inserting photos, links, page organization, and more will be part of our class. We will explore more than one model of blog design, as well as creating a podcast using Storycorps to archive one podcast in the Library of Congress.

Follow-up or at-home activities: Researching or finishing up one blog post per week

Textbook/Materials needed: Online resources and links will be provided via TEAMS.

[TOP ↑](#)

Grade 7-8

7 - Washington State History

Semester: Semester 1

Day and Block: Thursday – Block 1

Grade Level Range: 7th Grade

Class Size Limit: 18

Course Description: Over the course of the first semester, 7th grade students will focus on learning the history of Washington State. Successful completion of this class satisfies the WA state high school graduation requirement. A variety of key social studies skills will be used to learn about WA's geography, people, and events over time. Independent research and presentation of learning is a key component of this class, in addition to developing skills needed to access non-fiction and respond to it using Common Core standards.

Follow-up or at-home activities: 4-5 hours each week. Culminating Semester Project: Student-led Independent Research and Presentation.

[TOP ↑](#)

7-8 Math Lab

Semester: Yearlong

Day and Block: Tuesday – Block 1 or 2

Grade Level Range: 7th-8th Grade

Class Size Limit: 20 per block

Course Description: In this yearlong course, students will work through their individual math course based on curriculum selected collaboratively by parent and conferencing teacher. The teacher will be available to assist with difficult topics and support students in their efforts. Students who do not have a selected curriculum will work through the online exercises in IXL, at the appropriate grade level, until one is determined to be the best fit. Recommended middle school math curriculums are linked on our home page.

Follow up Activities at Home: Students should work on math 4-5 days per week in addition to their time in math lab.

[TOP ↑](#)

8 - Social Studies – Africa!

Semester: Semester 1

Day and Block: Thursday – Block 2

Grade Level Range: 8th Grade

Class Size Limit: 20 per block

Course Description: 8th graders will use essential social studies skills to learn about the geographic regions of the African continent. We will use Common Core standards to identify physical features and ecosystems that shape life for over 1 million species. Student-choice will drive learning/research using media literacy skills. A culminating project will provide opportunity for students to present learning and appreciation for a continent that is home to an amazing array of life!

Follow-up or at-home activities: 3-5 hours each week. **Culminating Semester Project:** Student-led Independent Research and Presentation.

[**TOP ↑**](#)

7-8 - Social Studies – 21st Century Africa!

Semester: Semester 2

Day and Block: Thursday – Block 2

Grade Level Range: 7-8th Grade

Class Size Limit: 20 per block

Course Description: This course will invite students to discover the complexities and challenges of a 21st century Africa, home to over 50 countries (surpassed by no other continent). Students will understand ways in which geography, human needs and history shaped present-day Africa. Students will practice social studies skills to form understandings that will prepare them to be empathetic and capable problem solvers in a global society.

Follow-up or at-home activities: 3-5 hours each week.

[**TOP ↑**](#)

7-8 Science

Semester:	Yearlong
Day and Block:	Tuesday – Block 1 or 2
Grade Level Range:	7th-8th Grade
Class Size Limit:	36

Course Description: Students will use scientific processes, protocols, and tools. These include inquiry, to build understanding of structures, patterns, and relationships explained through physical sciences. Critical thinking, collaboration, accuracy, and communication skills will be emphasized as students refine their scientific literacy. Units will integrate the structure and property of matter, chemical reactions, forces and motion, and the engineering design process.

Follow-up or at-home activities: 1-3 hours of homework each week and culminating project

This class has a \$12 course fee to cover a science magazine.

7-8 Language Arts

Semester:	Yearlong
Day and Block:	Thursday Blocks 1 or 2
Grade Level Range:	7th – 8th Grade
Class size limit:	36

Course Description: Semester 1: Students will read works selected through their own interests as well as books studied in literature circles and whole class. Language skill and development of literary devices will continue through use of a variety of genres (poetry, short story, novel). Focus on characterization and theme will be central to learning goals. Students will respond through discussion, art-infused/creative works, and short and long written responses. One focus of student will be on the use of irony to create humor and change. Students will emulate what they read in mentor texts through creating their own poetry and prose.

Semester 2: Students will integrate historical fiction with the social studies curriculum on the Civil War and Industrialization. Students will study argumentative writing, speech, and debate.

Student will have significant weekly assignments to prepare for the following week's class.

High School

HS Literature and Composition

Semester: Yearlong
Day and Block: Monday – Block 2
Credit: .5/Semester English

Grade Level Range: High School
Class Size Limit: 30

Course Description: Study of literature and writing that will emphasize comprehension, discernment, and close reading skills. The course will introduce and explore more advanced literary techniques (irony, satire, humor, connotation, tone, rhythm, symbolism, etc.) through multiple literary genres, with the aim of creating sophisticated readers. Writing assignments will develop and improve critical-thinking and analytic skills.

Students have significant weekly assignments to prepare for the following week's class.

[**TOP ↑**](#)

HS Psychology

Semester: Semester 2
Day and Block: Monday – Block 1
Credit: .5

Grade Level Range: High School
Class Size Limit: 30

Course Description: This course will introduce students to the study of individual human behavior. Course content includes an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

Students have significant weekly assignments to prepare for the following week's class.

[**TOP ↑**](#)

HS Art

Semester:	Semester 2
Day and Block:	Tuesday – Blocks 1 & 2
Credit:	.5 Fine Arts
Grade Level Range:	High School
Class Size Limit:	24
Course Description:	Students will participate in Art lessons based on the Elements and Principles of Design. They will use excellent art materials with an emphasis on process not product. They will be designing, drawing, painting, printing, carving and using clay. As an advanced high school class, students will be expected use their time wisely and create a portfolio of outstanding finished projects. My goal is to expose the student to a variety of mediums and to challenge them to try new things. Homework is a big part of this for credit class. Students will have an art sketchbook that goes home and comes to school each week. This class has a \$20 course fee to cover materials.

[TOP ↑](#)

HS Drama

Semester:	Semester 1
Day and Block:	Tuesday – Blocks 1 & 2
Credit:	.5
Grade Level Range:	High School
Class Size Limit:	30
Course Description:	In this Drama/Theatre class, students will continue to learn to use their bodies and voices to convey character, setting and emotion with a culminating production at the end of the semester. A student may enroll in this class if they have had some drama experience.

[TOP ↑](#)

HS Algebra I

Semester:	Yearlong
Day and Block:	Thursday– Block 3
Credit:	.5/Semester
Grade Level Range:	High School
Class Size Limit:	24
Course Description:	Yearlong course in Algebra introduces linear, exponential, quadratic and rational functions. Topics include properties of real numbers, linear equations, systems of

linear equations and inequalities, exponents, quadratic functions, polynomials and factoring. Concepts are developed through graphs, diagrams and symbolic manipulation. In class activities and lectures support student learning at home. Students will be assessed via homework completion, quizzes and tests. Students will be given weekly assignments.

At home work will vary but averages about 5-7 hours per week. Assignments will include watching instructional videos, and completion of practice problems.

[TOP ↑](#)

HS Algebra II

Semester: Yearlong

Day and Block: Thursday – Block 1

Credit: .5/Semester

Grade Level Range: High School

Class Size Limit: 24

Course Description: Yearlong course in Algebra 2 continuing to develop concepts in linear, exponential, quadratic and rational functions, trigonometry. Topics also include statistical data analysis, sequences and series, trigonometry, and probability models. Concepts are developed through graphs, diagrams and symbolic manipulation. In class activities and lectures support student learning at home. Students will be assessed via homework completion, quizzes and tests. Students will be given weekly assignments.

At home work will vary but averages about 5-7 hours per week. Assignments will include watching instructional videos, and completion of practice problems.

[TOP ↑](#)

HS Geometry

Semester: Yearlong

Day and Block: Thursday – Block 4

Credit: .5/Semester

Grade Level Range: High School

Class Size Limit: 20

Course Description: Yearlong course in Geometry. Topics include: deductive and inductive reasoning, analyzing mathematical rules using algebraic proofs, proving geometric theorems involving parallel and perpendicular lines and congruent angles. Students also explore properties of triangles, proving triangle congruence and similarity, and the Pythagorean Theorem. Students use properties of polygons to classify, find perimeter and area, and to prove theorems regarding special parallelograms. Similarity and congruence of two- and three-dimensional figures, transformational

geometry, right triangle geometry and trigonometry are also covered. Concepts are developed through graphs, diagrams and symbolic manipulation. In class activities and lectures support student learning at home. Students will be assessed via homework completion, quizzes and tests. Students will be given weekly assignments.

At home work will vary but averages about 5-7 hours per week. Assignments will include watching instructional videos, and completion of practice problems.

[TOP ↑](#)

HS PreCalculus

Semester: Yearlong

Day and Block: Monday – Block 4

Credit: .5/Semester

Grade Level Range: High School

Class Size Limit: 24

Course Description: Precalculus is a comprehensive course that weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. The first semester includes linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers.

Within each Precalculus lesson, students are supplied with a post-study Checkup activity that provides them the opportunity to hone their computational skills in a low-stakes problem set before moving on to formal assessment.

[TOP ↑](#)

HS Personal Finance

Semester: Semester 1

Day and Block: Monday – Block 4

Credit: .5

Grade Level Range: High School

Class Size Limit: 30

Course Description: This course will teach students to develop financial literacy through real-world examples. Students will learn to make informed decisions related to spending, saving, credit, identity theft, maintaining a checking account, purchasing a home and insurance. *This course earns an occupational education credit.*

Follow-up or at-home activities: 1.5 to 2 hours per week.

[TOP ↑](#)

HS Science – Physics

Semester: Yearlong
Day and Block: Tuesday – Block 3
Credit: .5/Semester

Grade Level Range: High School
Class Size Limit: 30

Course Description: This lab course involves the study of the forces and laws of nature affective matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of mechanics, energy and motion, electricity, magnetism, heat, and sound and light. In class activities and projects support student learning at home. Work outside of class will average 2 to 4 hours per week. \$10 Course fee to cover materials

Follow-up or at-home activities: 2 – 2.5 hours of homework each week.

[TOP ↑](#)

HS Photography

Semester: Semester 1
Day and Block: Monday – Block 4
Credit: .5/Semester

Grade Level Range: High School
Class Size Limit: 30

Course Description: This course provides students an opportunity to learn the basics of good photography: composition, lighting, creative angles, etc. Students shoot with a digital camera, learn about various composition elements, f/stops, shutter speeds, depth of field, and practice digital file management on a network. Students will be introduced to Affinity Photo and other photo editing software. Reading and writing assignments occur in tandem with photoshoots to develop student's understanding. Photo assignments include many of the classic themes: portraits, landscapes, architecture, action, animals, and photojournalism. Photo editing

projects will be assigned throughout the semester. Monthly field trips to local sites will give students opportunities for new photoshoots. Students can supply their own digital camera to use off-site. DSLR (Digital Single Lens Reflex) cameras are ideal; some DSLR's will be available for students to use on campus. This class has a \$10 course fee to cover materials.

Follow-up or at-home activities: 2 hours per week

[TOP ↑](#)

HS Computer Science Principles

Semester: Semester 1 or Semester 2

Day and Block: Monday – Block 3

Credit: .5/Semester

Grade Level Range: High School

Class Size Limit: 20

Course Description: This course introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity, and how computing impacts our world. Students will develop the computational thinking skills needed to fully exploit the power of digital technology and help build a strong foundation in core programming and problem-solving. This course focuses on the core ideas that shape the landscape of computer science and its impact on our society. *Project-Based and Collaborative Learning Approach:* Using project-based lessons and materials throughout, students will work to address real-world problems and design solutions to put computational thinking into practice. These culminate in a capstone Performance Task project where students can demonstrate what they've learned.
3 to 4 hours of at home work expected per week.

[TOP ↑](#)

HS Advanced Computer Science

Semester: Semester 1 or Semester 2

Day and Block: Monday – Block 3

Credit: .5/Semester

Grade Level Range: High School

Class Size Limit: 30

Course Description: This course teaches fundamental programming topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential

solutions, and the ethical and social implications of computing. An opportunity to take the AP Computer Science A exam is available. Semester 1: Focus on the basic building blocks of computer science and programming tools. Topics include control structures, primitive and class data types such as arrays, ArrayList and Strings, methods, and recursion. Semester 2: Learn how to manipulate data to create more sophisticated programs, with topics including class design, algorithm development, and user-defined data types. Using project-based lessons and materials throughout, students will work to address real-world problems and design solutions to put computational thinking into practice. 3 to 4 hours of at-home work expected per week.

[TOP ↑](#)

HS Website Design

Semester: Semester 1 or Semester 2

Day and Block: Monday – Block 3

Credit: .5/Semester

Grade Level Range: High School

Class Size Limit: 30

Course Description: This Web Design course is a project-based course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi page websites. Students will learn the foundations of user interface design, rapid prototyping and user testing, and will work together to create professional, mobile responsive websites.

The course utilizes a blended classroom approach. The content is fully web-based, with students writing HTML and CSS in the browser. Teachers utilize online tools and resources leverage time in the classroom and give focused 1-on-1 attention to students. Each unit of the course is broken down into lessons. Lessons consist of video tutorials, short quizzes, example web pages to explore, and web design exercises in which students develop and publish their own web sites. Students will design, develop, prototype and test their own website as a final project.

3 to 4 hours of at-home work expected per week.

[TOP ↑](#)

HS Learning Lab

Semester: Semester 1 or 2

Day and Block: Monday – Block 1, 2, 3 or 4
Wednesday – Block 4
Thursday – Block 1 or 2

Credit: None

Grade Level Range: High School

Class Size Limit: 30

Course Description: This is a supervised opportunity for high school students to focus on school work and get help where needed. This class is attendance only – no credit is awarded.

[TOP ↑](#)

HS Math Lab

Semester: Yearlong

Day and Block: Tuesday – Block 4

Credit: None

Grade Level Range: High School

Class Size Limit: 30

Course Description: This class is required for all students taking Algebra I, Geometry, Algebra II, or an APEX math course. It is an extension of the math classes listed above, and is a time designed to provide group work time, assistance with homework, and assessment opportunities.

[TOP ↑](#)

HS Civics

Semester: Semester 1

Day and Block: Monday – Block 1

Credit: .5/Semester

Grade Level Range: High School

Class Size Limit: 30

Course Description Students will learn about civic engagement, civic duty, and the role of government in society and how it serves us. We will look at the history of civil disobedience, the role of the judiciary in shaping political discourse, the evolving strength of the executive, and significant acts of congress that have moved our nation in different directions. We will study the history of American government. Students will read,

research, and present aspects of the Constitution, how one becomes a citizen, and how bills become laws. This course will include a simulation tied to the presidential election and will require a culminating project that demonstrates civic engagement.

Students have significant weekly assignments to prepare for the following week's class.

[TOP ↑](#)

HS AP US Government & Politics

Semester: Semester 1

Day and Block: Monday – Block 1

Credit: .5/Semester

Grade Level Range: High School

Class Size Limit: 30

Course Description: Taught in conjunction with High School Civics, students taking AP US Government & Politics will also meet for an additional check-in block as they complete additional coursework to earn the Advanced Placement designation. Students will study the key concepts and institutions of the political system and culture of the United States. They will read, analyze, and discuss the U.S. Constitution and other documents as well as complete a research or applied civics project.

Students have significant weekly assignments to prepare for the following week's class.

[TOP ↑](#)