

# Class Descriptions

## 2020-2021

### **GRADES K-2**

K-2 STEAM

K-2 Art

K-2 Science

K-2 Language Arts - Fairy Tale Adventures/Explore the World through Nonfiction

K-2 Social Studies - Kids Vote, Too! And Geography Bee

### **GRADES 3-4**

3-4 STEAM

3-4 Art

3-4 Science Simple Machines/River to Sea

3-4 Language Arts - Explore the World through Nonfiction/Fairy Tale Adventures

3-4 Social Studies – Kids Vote, Too!/Cultures Around the World

### **GRADES 5-8**

5-6 Math

5-8 Art

5-6 Science

5-6 Language Arts

5-8 Drama

5-8 Technology - MakeCode

5-8 Social Studies – Zombie Geography

5-8 Social Studies – Ancient Egypt

5-8 English – Write Your own Action Adventure

5-8 Science – Team NASA: Living in Outer Space

5-8 Physical Fitness – Walk Fit

5-8 Physical Fitness – Health and Wellness

5-8 Social Studies – Presidential Elections

5-8 Arts – Textiles

5-8 Technology – Speak to the World

### **GRADE 7-8**

7 Washington State History

7-8 Math

7-8 Social Studies

7-8 Science

7-8 Language Arts

### **HIGH SCHOOL**

HS American Literature

HS American History

HS Art

HS Drama

HS Algebra I

HS App and Game Development

HS Algebra II

HS Geometry

HS PreCalculus

HS Walk Fit

HS Science – Chemistry

HS Photography

HS Computer Science Principles

HS Advanced Computer Science

HS Website Design

HS Learning Lab

HS Math Lab

HS Technology: Make a Movie!

HS Civics

# Grades K-2

## **K-2 STEAM**

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Monday – Block 2
<b>Grade Level Range:</b>	Kindergarten - 2 <sup>nd</sup> Grade
<b>Class Size Limit:</b>	20
<b>Course Description:</b>	Students will explore the foundations of STEAM learning which stands for; science, technology, engineering, art, and math. Each session will include various interactive and engaging learning activities following STEAM principles and pillars such as building challenges, coding, and much more!

[\*\*TOP ↑\*\*](#)

## **K-2 Art**

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Monday – Block 1
<b>Grade Level Range:</b>	Kindergarten - 2 <sup>nd</sup> Grade
<b>Class Size Limit:</b>	20
<b>Course Description:</b>	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. There is a \$10 course fee to cover materials.

[\*\*TOP ↑\*\*](#)

## **K-2 Science**

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Wednesday – Block 3
<b>Grade Level Range:</b>	Kindergarten - 2 <sup>nd</sup> Grade
<b>Class Size Limit:</b>	20
<b>Course Description:</b>	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 (but are not limited to) insects, plants, solids, liquids, and rocks.

[TOP ↑](#)

## **K-2 Language Arts - Fairy Tale Adventures/Explore the World through Nonfiction**

**Semester:** Yearlong

**Day and Block:** Wednesday – Block 1 & 2

**Grade Level Range:** Kindergarten - 2<sup>nd</sup> Grade

**Class Size Limit:** 20

**Course Description:** 1<sup>st</sup> Semester – Reading and writer’s workshop will focus on various fairy tales, myths, legends, and fables. Reading comprehension skills will be taught through whole class interactive read-alouds and small groups. Students will learn the basic elements of this genre as well as participate in dramatic readings of many different beloved classic stories.

2<sup>nd</sup> Semester – Reading and Writer’s Workshop will focus on various Informational Texts. Reading comprehension skills will be taught through whole class interactive read-alouds and small groups. Students will learn the basic elements of this genre, as well as participate in reading and writing animal reports, “how to” books, identifying text features, and more.

[TOP ↑](#)

## **K-2 Social Studies - Kids Vote, Too! And Geography Bee**

**Semester:** Yearlong

**Day and Block:** Wednesday – Block 4

**Grade Level Range:** Kindergarten - 2<sup>nd</sup> Grade

**Class Size Limit:** 20

**Course Description:** 1<sup>st</sup> Semester - This course will be highlighting the presidential process just in time for the 2020 election, Students will focus on the history of elections, different stages a candidate must go through, branches of government, vocabulary, and participation in interactive debates related to kid issues (more recess time? less homework?). This course is not about sharing personal beliefs, but rather a fun way to learn about the voting history of America and processes from a non-biased point of view.

2<sup>nd</sup> Semester – Social studies sessions will focus on how to read maps, symbols, scale, direction, political divisions, natural features, and globes. Students also will study U.S. geography by learning about the continents, hemispheres, time zones, earth’s rotation, and more!

[TOP ↑](#)

# Grades 3-4

## **3-4 STEAM**

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Monday – Block 1
<b>Grade Level Range:</b>	3 <sup>rd</sup> – 4 <sup>th</sup> Grade
<b>Class Size Limit:</b>	20
<b>Course Description:</b>	Students will explore the foundations of STEAM learning which stands for; science, technology, engineering, art, and math. Each session will include various interactive and engaging learning activities following STEAM principles and pillars such as building challenges, coding, and much more!

**[TOP ↑](#)**

## **3-4 Art**

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Monday – Block 2
<b>Grade Level Range:</b>	3 <sup>rd</sup> – 4 <sup>th</sup> Grade
<b>Class Size Limit:</b>	20
<b>Course Description:</b>	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. There is a \$10 course fee to cover materials.

**[TOP ↑](#)**

## **3-4 Science Simple Machines/River to Sea**

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Wednesday – Block 3
<b>Grade Level Range:</b>	3 <sup>rd</sup> – 4 <sup>th</sup> Grade
<b>Class Size Limit:</b>	20
<b>Course Description:</b>	1 <sup>st</sup> Semester - Students will use scientific inquiry, investigation, and reflection to explore the world of simple machines. Levers, pulleys, screws, wheel/axles,

wedges, and planes, oh my! This hands-on course will allow students to design, build, and test use of these simple machines to further understand their principles and uses in the every-day world. 3-D design and printing will be part of the experience as well.

**2<sup>nd</sup> Semester** - Using a variety of resources and hands-on experiences, students will grow understanding and appreciation of our region's diverse and unique marine ecosystems. Topics include closer exploration of our local river(s), tide-pools, estuaries, and the ocean life we enjoy in our local area. Students will use scientific inquiry, investigation, and reflection as a class and independently with a self-directed research project.

[\*\*TOP ↑\*\*](#)

### **3-4 Language Arts - Explore the World through Nonfiction/Fairy Tale Adventures**

**Semester:** Yearlong

**Day and Block:** Wednesday – Block 1 & 2

**Grade Level Range:** 3<sup>rd</sup> – 4<sup>th</sup> Grade

**Class Size Limit:** 20

**Course Description:** 1<sup>st</sup> Semester - Students will read, write, discuss, and complete projects using non-fiction texts of varying lengths. The best use of the Units of Study non-fiction curriculum lessons and resources will be incorporated. Language study and skill development, including grammar and vocabulary, will be part of weekly study. Students will grow keyboarding skills and confidence with safe, productive use of technology to promote life-long learning. This class has a \$10 course fee for a Scholastic Magazine subscription (year-long).

2<sup>nd</sup> Semester – Students will explore the genre of fairy tales through reading, writing, discussion, and completion of independent art-infused projects. The best use of the Units of Study fairy tale curriculum lessons and resources will be incorporated. Language study and skill development, including grammar and vocabulary, will be part of weekly study. Students will grow keyboarding skills and confidence with safe, productive use of technology to promote life-long learning. This class will continue use of the year-long Scholastic Magazine subscription.

[\*\*TOP ↑\*\*](#)

### **3-4 Social Studies – Kids Vote, Too!/Cultures Around the World**

**Semester:** Semester 1

**Day and Block:** Wednesday – Block 4

**Grade Level Range:** 3<sup>rd</sup> – 4<sup>th</sup> Grade

**Class Size Limit:** 20

**Course Description:** 1<sup>st</sup> Semester - Students will have an introduction to the decision-making process of citizenship in the fictional town, Marigold, USA. The town is experiencing changes

as more and more people hope to live in wonderful Marigold! In this simulation course, students will have an opportunity to explore a series of choices, while practicing oral presentation skills and art-infused messaging. The course will culminate with a vote for a new mayor and council members who best support their hopes for the biggest decision facing Marigold's future.

2<sup>nd</sup> Semester – This course will introduce students to various cultures from around the world – their geography, their language, their foods, their customs. Using safe technologies, we will make connections with other students around our world! We will incorporate student-driven culinary experiences in the classroom, in addition to art-infused projects that show appreciation for our global neighbors.

[TOP ↑](#)

## Grades 5-8

### 5-6 Math

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Tuesday – Block 2
<b>Grade Level Range:</b>	5 <sup>th</sup> – 6 <sup>th</sup> Grade
<b>Class Size Limit:</b>	24
<b>Course Description:</b>	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.

[TOP ↑](#)

### 5-8 Art

<b>Semester:</b>	Semester 2
<b>Day and Block:</b>	Thursday – Block 3 or 4
<b>Grade Level Range:</b>	5 <sup>th</sup> – 8 <sup>th</sup> Grade
<b>Class Size Limit:</b>	20 per block
<b>Course Description:</b>	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 \$10 course fee to cover materials.

[TOP ↑](#)

## 5-6 Science

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Tuesday – Block 1
<b>Grade Level Range:</b>	5 <sup>th</sup> – 6 <sup>th</sup> Grade
<b>Class Size Limit:</b>	24
<b>Course Description:</b>	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 each week.

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 materials.

[TOP ↑](#)

## 5-6 Language Arts

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Thursday – Block 1 & 2
<b>Grade Level Range:</b>	5 <sup>th</sup> – 6 <sup>th</sup> Grade
<b>Class Size Limit:</b>	24
<b>Course Description:</b>	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.

[TOP ↑](#)

### 5-8 Drama

<b>Semester:</b>	Semester 1
<b>Day and Block:</b>	Thursday – Block 3 or 4
<b>Grade Level Range:</b>	5 <sup>th</sup> – 8 <sup>th</sup> Grade
<b>Class Size Limit:</b>	20
<b>Course Description:</b>	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 Technology - MakeCode

<b>Semester:</b>	Semester 1
<b>Day and Block:</b>	Tuesday – Block 3 or 4
<b>Grade Level Range:</b>	5 <sup>th</sup> – 8 <sup>th</sup> Grade
<b>Class Size Limit:</b>	20 per block
<b>Course Description:</b>	Students apply critical thinking skills to solving programming challenges. This course will cover topics such as coding, physical computing, and data. Students create authentic projects and applications and will experience the creativity and problem solving that are an integral part of learning to code. Students will learn from a mix of on-line self-paced activities and projects, and “unplugged” activities. Coding language will vary but could include Scratch, Javascript or Python.

[TOP ↑](#)

### 5-8 Social Studies – Zombie Geography

<b>Semester:</b>	Semester 1
<b>Day and Block:</b>	Tuesday – Block 3 or 4
<b>Grade Level Range:</b>	5 <sup>th</sup> – 8 <sup>th</sup> Grade
<b>Class Size Limit:</b>	20 per block
<b>Course Description:</b>	When zombies attack in this interactive simulation course, student have one hope:



geography skills! How will you fend off the swarm? How will you plan your escape? What features does your geographic region offer for protection and basic life needs? After you survive, where will you rebuild? Hone your mapping skills, collaborate to make decisions for the best outcomes possible, and rediscover a connection to the physical landscape. Expect opportunities to analyze and create maps, as well as design and promote your solutions to others.

[TOP ↑](#)

## 5-8 Social Studies – Ancient Egypt

**Semester:** Semester 2

**Day and Block:** Tuesday – Block 3 or 4

**Grade Level Range:** 5<sup>th</sup> – 8<sup>th</sup> Grade

**Class Size Limit:** 20 per block

**Course Description:** Colossal pyramids, imposing temples, golden treasures, enigmatic hieroglyphs, powerful pharaohs, strange gods, and mysterious mummies are features of Ancient Egyptian culture that have fascinated people over the millennia. Our course will explore the rise of this great African civilization that blossomed along the Nile and influenced the world of the Mediterranean through simulations, games, activities, virtual field trips, videos, and readings. Students will practice social studies skills and work on a final project in an area of Egyptian history, culture, or technology with which they are most fascinated.

[TOP ↑](#)

## 5-8 English – Write Your own Action Adventure

**Semester:** Semester 1

**Day and Block:** Tuesday – Block 3 or 4

**Grade Level Range:** 5<sup>th</sup> – 8<sup>th</sup> Grade

**Class Size Limit:** 20 per block

**Course Description:** Explore the power and creativity of words as you write your own adventure story. This class will encourage and excite the creative writer as we explore the world of heros and heroines. Students will develop their oral, written, and listening skills as they create their own hero, heroine, villain and the plot that weaves them all together. By the end of the semester, students will publish their adventure story in digital and/or print format. There's no right or wrong way to write creatively. The only thing this class requires is your imagination to write what you and no one else in the world can. Students will be asked to spend time each week writing outside of class, so please allow one hour per week for writing time.

Follow-up or at-home activities: Students will be using their Office 365 accounts to manage their writing in class and at home.

Textbook/Materials needed: Access to the internet outside of class will be needed for accessing assignments.

[\*\*TOP\*\* ↑](#)

## 5-8 Science – Team NASA: Living in Outer Space

**Semester:** Semester 2

**Day and Block:** Thursday – Block 3 or 4

**Grade Level Range:** 5<sup>th</sup> – 8<sup>th</sup> Grade

**Class Size Limit:** 20 per block

**Course Description:** Next year is the twentieth anniversary of humans living aboard the International Space Station. We will partner with Microsoft Education and NASA to celebrate the astronauts' contributions to improving life both in space and on Earth. Students will participate in STEAM projects that tackle life in space, read short stories in this setting, and participate in a live NASA Q and A with members of the ISS.

Students will use Office 365 tools for collaboration with each other in group and individual projects. Student should expect to work approximately one hour a week on projects at home outside of class.

[\*\*TOP\*\* ↑](#)

## 5-8 Physical Fitness – Walk Fit

**Semester:** Semester 2

**Day and Block:** Thursday – Block 3 or 4

**Grade Level Range:** 5<sup>th</sup> – 8<sup>th</sup> 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.

[\*\*TOP\*\* ↑](#)

## 5-8 Physical Fitness – Health and Wellness

<b>Semester:</b>	<b>Semester 2</b>
<b>Day and Block:</b>	<b>Thursday – Block 3 or 4</b>
<b>Grade Level Range:</b>	<b>5<sup>th</sup> – 8<sup>th</sup> Grade</b>
<b>Class Size Limit:</b>	<b>20 per block</b>
<b>Course Description:</b>	<b>Students will have an opportunity to re-connect with the basics of health and wellness through food preparation, self-monitoring, and simple study of ‘what’s pretty good for you to know and do.’ Get ready to do a little cooking and snacking! A survey of human body systems will be included. Healthy habits and know-how will be the focus concerning nutrition, sleep, hygiene, and exercise. We will emphasize teen-age wellness, but students will leave the course with life-long tools.</b>

[\*\*TOP ↑\*\*](#)

## 5-8 Social Studies – Presidential Elections

<b>Semester:</b>	<b>Semester 1</b>
<b>Day and Block:</b>	<b>Thursday– Block 3 or 4</b>
<b>Grade Level Range:</b>	<b>5<sup>th</sup> – 8<sup>th</sup> Grade</b>
<b>Class Size Limit:</b>	<b>20 per block</b>
<b>Course Description:</b>	<b>Students will delve into the study of democracy during this election year! They will learn to become technically literate and savvy, while learning how to research various topics related to elections and political parties. They will learn strategies and tools for how to recognize bias and read with an eye to discern what is fact and truth. Students will learn research techniques for network navigation and safe internet use. Students will use their Office 365 suite of software to engage in a simulation activity. This project-based class will challenge all students to push themselves in their ability to accurately research topics and collaborate with peers as they evaluate their findings.</b>

[\*\*TOP ↑\*\*](#)

## 5-8 Arts – Textiles

<b>Semester:</b>	<b>Semester 1</b>
<b>Day and Block:</b>	<b>Thursday – Block 3 or 4</b>
<b>Grade Level Range:</b>	<b>5<sup>th</sup> – 8<sup>th</sup> Grade</b>
<b>Class Size Limit:</b>	<b>20 per block</b>
<b>Course Description:</b>	<b>Course Description: In this Textiles class, students will explore the world of hand-sewing, knitting, crochet, weaving, and pattern design. Emphasis will be on</b>

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. Most materials will be supplied by PARADE, but students will be able to supplement with materials purchased or supplied by their family. There is a \$10 fee for this course.

[\*\*TOP\*\* ↑](#)

## 5-8 Technology – Speak to the World

<b>Semester:</b>	Semester 2
<b>Day and Block:</b>	Tuesday – Block 3 or 4
<b>Grade Level Range:</b>	5 <sup>th</sup> – 8 <sup>th</sup> Grade
<b>Class Size Limit:</b>	20 per block
<b>Course Description:</b>	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 the PARADE website, 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 other forms of cloud communication, such as podcasts.

**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

<b>Semester:</b>	Semester 2
<b>Day and Block:</b>	Thursday – Block 2
<b>Grade Level Range:</b>	7 <sup>th</sup> Grade
<b>Class Size Limit:</b>	20
<b>Course Description:</b>	This course guides students through the human activities and relationships that have forged our state's identity. They will analyze the ways that the many cultural

groups of Washington State have developed a vibrant lifestyle and economy. They will explore how ordinary citizens impact the rules that we live by. Studies will include history, economy, geography, government and culture to deepen their understanding of our state. This one semester class meets the high school graduation requirement for one half credit in Washington State History.

[TOP ↑](#)

## 7-8 Math

Semester:	Yearlong
Day and Block:	Tuesday – Block 1 or 2
Grade Level Range:	7 <sup>th</sup> -8 <sup>th</sup> 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 provided by Khan Academy, in conjunction with Engage NY, at the appropriate grade level.

[TOP ↑](#)

## 7-8 Social Studies

Semester:	Yearlong
Day and Block:	Tuesday – Block 1 or 2
Grade Level Range:	7 <sup>th</sup> -8 <sup>th</sup> Grade
Class Size Limit:	20 per block
Course Description:	Sem 1 for 7/8 Grade: The Industrial Revolutions

*James Watt patented his steam engine on the eve of the American Revolution, consummating a relationship between coal and the new Promethean spirit of the age, and humanity made its first tentative steps into an industrial way of life that would, over the next two centuries, forever change the world – J. Rifkin. The fantastic, the bad, and ugly - the industrial revolution continues to define the course of America. In this course, students will explore the dramatic changes and consequences of an era through readings, discussions, investigation, and art-infused projects. Students will tap into the socioeconomics, geography, and timeline of the Industrial Era.*

Sem 2 for 8<sup>th</sup> Grade: American Social Revolutions of the 20<sup>th</sup> and 21<sup>st</sup> Centuries

Our study of American History this semester will focus on the changes brought about in American Society through Activism. Units will include the changes and challenges brought to our culture by such movements as Labor/Union rights, Women's Suffrage and Liberation, Civil Rights and Black Lives Matter, Environmentalism, and Migrant Farm Workers, to name a few. Social studies skills will be honed during this course to prepare students to think like historians and

be ready for high school rigor, namely, that they can interpret cause and effect of various societal transformative events and look to how their generation may also affect change in their lifetime

[TOP ↑](#)

## 7-8 Science

**Semester:** Yearlong  
**Day and Block:** Tuesday – Block 1 or 2  
**Grade Level Range:** 7<sup>th</sup>-8<sup>th</sup> 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: 4-5 hours of homework each week.

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

## 7-8 Language Arts

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

**Course Description:** Semester 1 7/8 Grade: Mythology and History

English Language Arts skills first semester will be taught through the study of two units. We will open the year with the study of how various world mythologies have influenced modern fiction writers with a focus on young adult literature. Authors we study may include the works of Alexander, Cooper, Okorafor, and Riordan, to name a few. The second unit of study will integrate historical fiction, (reader choice), with their social studies curriculum on the Civil War and Industrialization. English Language Arts skills first semester will be taught through the study of two units. We will open the year with the study of how various world mythologies have influenced modern fiction writers with a focus on young adult literature. Authors we study may include the works of Alexander, Cooper, Okorafor, and Riordan, to name a few. The second unit of study will

integrate historical fiction, (reader choice), with their social studies curriculum on the Civil War and Industrialization.

**Semester 2 7<sup>th</sup> Grade:** Students will have an opportunity to discover some of Washington's most talented authors, past and present. Language skill development and understanding of literary devices will continue through use of a variety of genres (poetry, short story, novel). Students will respond through discussion, art-infused/creative works, and short and long written responses.

**Semester 2 8<sup>th</sup> Grade: Be the Change: Social Justice Poetry and Biographies**

Students will study poetry and nonfiction writing in an integrated curriculum with their study of American Social Revolutions of the 20<sup>th</sup> & 21<sup>st</sup> Centuries. Students will learn poetry analysis techniques and will write their own poetry about issues they care about. Students will study biographies and memoir excerpts from leaders of movements working to create change in American society. Students will create a final research project presentation that will culminate in their own spoken word poem.

[TOP ↑](#)

## High School

### HS American Literature

**Semester:** Yearlong

**Day and Block:** Monday – Block 1

**Credit:** .5 English

**Grade Level Range:** High School

**Class Size Limit:** 30

**Course Description:** Explore the broad diversity of American Literature with a focus on analytical reading and writing. In many units, students will personally select books to be read in small groups. Projects will focus on author use of different literary elements, techniques, and rhetorical devices. Assigned work will include poetry, drama, short stories, novels, speeches, letters, and manifestos.

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

[\*\*TOP ↑\*\*](#)

## HS American History

**Semester:** Yearlong

**Day and Block:** Monday – Block 2

**Credit:** .5

**Grade Level Range:** High School

**Class Size Limit:** 30

**Course Description:** Investigate significant events, individuals, developments, and processes in American history from pre-European contact to today. Students will analyze primary and secondary sources; develop historical arguments; make historical connections; and utilize reasoning about comparison, causation, and continuity and change. Students will engage in simulations, debates, research projects, and presentations in their exploration of what America means to Americans and to the world.

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

[\*\*TOP ↑\*\*](#)

## HS Art

**Semester:** Semester 1

**Day and Block:** Thursday – 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 \$10 course fee to cover materials.

[\*\*TOP ↑\*\*](#)

## HS Drama

**Semester:** Semester 2



**Day and Block:** Thursday – 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:** Wednesday – 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. Homework will vary but averages about 5-7 hours per week. Homework will include textbook reading, reinforcement of concepts via online videos and resources, and completion of homework problems.

[TOP ↑](#)

## HS App and Game Development

**Semester:** Semester 1 or 2

**Day and Block:** Wednesday – Block 4

**Credit:** .5/Semester

**Grade Level Range:** High School

**Class Size Limit:** 20

**Course Description:** This course allows students who have completed the Advanced Computer Science course to continue expanding and deepening their knowledge of computer science through student chosen projects in app and game development. Class will focus on problem solving, game design, and turning solutions into real games, simulations, or other applications. Students will program in Java, Python, or C++. Students will use DirectX and other rendering technologies.

[\*\*TOP\*\*](#) ↑

## HS Algebra II

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Wednesday – Block 1
<b>Credit:</b>	.5/Semester
<b>Grade Level Range:</b>	High School
<b>Class Size Limit:</b>	24
<b>Course Description:</b>	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. Homework will vary but averages about 5-7 hours per week. Homework will include textbook reading, reinforcement of concepts via online videos and resources, and completion of homework problems.

[\*\*TOP\*\*](#) ↑

## HS Geometry

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Wednesday – Block 2
<b>Credit:</b>	.5/Semester
<b>Grade Level Range:</b>	High School
<b>Class Size Limit:</b>	20
<b>Course Description:</b>	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. Homework will vary but averages about 5-7 hours per week. Homework will include textbook reading, reinforcement of concepts via online videos and resources, and completion of homework problems.

[\*\*TOP\*\*](#) ↑

## HS PreCalculus

<b>Semester:</b>	Yearlong
<b>Day and Block:</b>	Monday – Block 4
<b>Credit:</b>	.5/Semester
<b>Grade Level Range:</b>	High School
<b>Class Size Limit:</b>	24
<b>Course Description:</b>	<p>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.</p> <p>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. Additionally, connections are made throughout the Precalculus course to calculus, art, history, and a variety of other fields related to mathematics.</p> <p>This course is partially online. You must have passed Algebra 2 with a C or better to enroll.</p>

[TOP ↑](#)

## HS Walk Fit

<b>Semester:</b>	Semester 1 or Semester 2
<b>Day and Block:</b>	Monday – Block 3
<b>Credit:</b>	.5
<b>Grade Level Range:</b>	High School
<b>Class Size Limit:</b>	30
<b>Course Description:</b>	<p>Explore 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 keep 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 in other activities in the multipurpose room at the RLC.</p> <p>There is a \$17.00 fee for this course which covers the cost of a pedometer that students will be able to keep. Outside of class, students will engage in physical activity of their choice 3 to 4 hours per week.</p>

[TOP ↑](#)

## HS Science – Chemistry

**Semester:** Yearlong

**Day and Block:** Thursday – Block 1 & 2

**Credit:** .5/Semester

**Grade Level Range:** High School

**Class Size Limit:** 30

**Course Description:** Students in this lab-based course will develop an awareness of the concepts of inorganic chemistry. Term I topics will include: atomic structure, chemical nomenclature, chemical periodicity, states and behavior of matter, chemical bonding and electron configurations. Term II topics will include stoichiometry, gas laws, reaction rates, equilibrium, acids, bases, and electrochemistry. \$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 / Semester 2

**Day and Block:** Semester 1: Wednesday – Block 3 – or Semester 2: Monday – Block 2

**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 also 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 photo shoots. Students will also work in groups on a still photo movie using Windows Movie Maker or comparable Office 365 software. 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.

[TOP ↑](#)

## HS Computer Science Principles

**Semester:** Semester 1 or Semester 2

**Day and Block:** Thursday – Block 4

**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 is designed to engage students from diverse backgrounds and those new to computing – and excite students with a curriculum that 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 – to become creators, instead of merely consumers, of the technology all around them. Amazon has funded access to the Edhesive curriculum for our school, which will be used for this course.

[TOP ↑](#)

## HS Advanced Computer Science

**Semester:** Semester 1 or Semester 2

**Day and Block:** Thursday – Block 4

**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 will be made available. **Term 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. Term 2: Learn how to manipulate data to create more sophisticated programs, with topics including class design, algorithm development, and user-defined data types.

[TOP ↑](#)

## HS Website Design

**Semester:** Semester 2

**Day and Block:** Monday – Block 4

**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.

[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:** Wednesday – Block 3

**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 Technology: Make a Movie!**

**Semester:** Semester 2

**Day and Block:** Monday – Block 2

**Credit:** .5/Semester

**Grade Level Range:** High School

**Class Size Limit:** 30

**Course Description:** Students will learn the basics of film making from the initial storyboarding ideas to the elements of cinematography, editing, and special effects. Students will also study parts famous films and their groundbreaking techniques. Project driven, students will create a trailer, a short, and a longer movie. The course will culminate in a film festival of their best work.

[TOP ↑](#)

## **HS Civics**

**Semester:** Semester 1

**Day and Block:** Monday – Block 3

**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 on 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.

[TOP ↑](#)