

2022 WORLD OF WONDER

For students entering 1st grade; Students may take one, two or three classes.

8:00 a.m. – 10:00 a.m. Where in the World is Your Favorite Animal?

Class 1101 (Kirsten Coulter)

What's your favorite animal? Throughout our week together, we'll discover many amazing facts about animals all over the world. Where do they live? What do they eat? What do they do all day? We will study different regions, environments, and habitats from forests and wetlands to deserts and grasslands. Students will investigate the basic characteristics of these environments and discover the unique features of the animals who live there. Come to class ready to build a model habitat for your favorite wild animal!

10:15 a.m. – 12:15 p.m. Get Curious

Class 1102 (Christy Gardner)

Join us for a week-long exploration of the world that will keep our young learners curious. Students will delight in exploring with *Curious George* various topics like the moon, robots, dinosaurs, the ocean, mixing colors, air patterns, and more. So come along and get curious as we create, discover, and have a blast in this exciting class through hands-on learning activities.

1:00 p.m. – 3:00 p.m. Welcome to Seussville

Class 1103 (Bridget Kelly)

There is much more to Dr. Seuss than *Cat in the Hat*! Get excited about *Oh, the Places You'll Go* when we construct parachutes and mazes. Ask yourself, *If I Ran the Zoo*, what would your animals look like? With *Hop on Pop*, we will experiment with rhyme and how you can make a bouncy ball bouncy. Of course, we need to create *Oobleck* and maybe some other slimy solutions to make Bartholomew proud. Put your red and white striped hats on and together we will create, read, perform, draw, and experiment with all things Seuss.

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For students entering 2nd or 3rd grade; Students may take one, two, or three classes.

8:00 a.m. – 10:00 a.m. Space: The Final Frontier

1201 (Christy Gardner)

Space is the final frontier... every day we get closer to living in space. In this class, we'll learn all about what has been discovered in this land, and discover how there is still so much for us to learn. We will start our adventure in the heart of the solar system. Then we will travel through our galaxy learning about the sun, different planets, gravitational pulls, and foreign objects. We will even explore Cosplay to build our own digital replicas of our Solar System, and discover what it feels like to be an astronaut. So put on your space suit and get ready for an out-of-this-world adventure!

10:15 a.m. – 12:15 p.m. STEAMing Ahead

Class 1202 (Kirsten Coulter)

Calling all budding inventors, engineers, architects, and artists! Get your brains ready to move full STEAM with science, technology, engineering, art, and math. Throughout the week we'll engage in an array of challenges related to each of these areas. Rosie Revere Engineer will inspire us to flex our creative muscles and try, try again as we solve problems and design ingenious inventions. Our week will culminate in the ultimate challenge as we build a paper roller coaster and put it to the test. Be ready to build, create, and think outside the box!

1:30 p.m. – 3:30 p.m. Wonderful Wizarding World of Harry Potter

Class 1203 (Christy Gardner)

Meet us at Platform 9 $\frac{3}{4}$ as we hop on the Hogwarts Express to explore the magical Wizarding World of Harry Potter. We invite all witches and wizards to join us and find out which house the Sorting Hat chooses for you. Throughout the week we'll focus on the myths, the characters, the triumphs, and the failures as we study magic vs. science. We'll even get to play a little Quidditch during our magical week of all things Harry Potter.

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For students entering 6th or 7th grade; Students may take one, two or three classes.

8:00 a.m. – 10:00 a.m. 5 Ps of Math

Class 1601 (Mary Jane Sterling)

Join us for this unique experience as we tackle the 5 Ps of math. We'll challenge ourselves with engaging STEM activities that build math fluency and critical thinking skills – and have some fun while we do it! Throughout the week we'll take a new and different look at: Pythagoras, Prime Numbers, Polyhedra, Panning for the Golden Ratio, and Puzzlers. Each day will hold new possibilities as we dig in and improve our fluency in the fascinating world of math.

10:15 a.m. - 12:15 p.m. The Art of the Catapult

Class 1602 (Carolyn Sutton)

Part history and part engineering, this class is designed to give students a fascinating look at the art of the catapult. We'll discover the science and math concepts behind catapults as we build and test our own designs. We'll learn more about force, accuracy, precision, and angles during our week of designing siege-proof castles, catapults, and trebuchets. We'll also explore the exciting history of siege warfare through Alexander the Great, Richard the Lionhart, and more.

1:30 p.m. – 3:30 p.m. Effective Essay Writing

Class 1603 (Don Baker)

This class is an excellent opportunity to sharpen your writing skills for essays. We'll explore techniques for narration, description, and reflection, and learn how to creatively use figurative language, descriptions, details, and variety in your sentence structure. Throughout the week, you'll grow confident in your ability to organize your essay, use innovative transitions between ideas, and write impressive beginnings and endings. We will also focus on the importance of writing for a specific audience and purpose, and how to elevate our writing skills to produce strong essays.

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For students entering 8th or 9th grade; Students may take one, two or three classes.

8:00 a.m. – 10:00 a.m. The Right Stuff: From the Earth to the Moon

Class 1801 (Evan Moore)

Join us as we delve into the science behind space travel with activities about propulsion, launch angles, and very basic methods of rocketry needed to leave Earth's atmosphere. We'll learn about the Apollo missions and what they accomplished, then devise our own mission to the Moon. We'll also discuss how political tension between the United States and the Soviet Union led to the Cold War, and launched a Space Race, and how that space exploration played a part in the two countries' complex relationship. We'll wrap up the week with the question "Where do we go from here?" Get ready to go boldly go where no one has gone before!

10:15 a.m. - 12:15 p.m. Truth or Consequences

Class 1802 (Mary Jane Sterling)

Trying to win an argument? You can create your own statistics, but you have to use math to do it honestly. Trying to win that game? You can take chances, but you have to use math to get the best results. In this class, you'll learn about various topics that are covered in a high school statistics course, including probability, randomness, experimental design, and standard deviation. You'll see how you can use probability to increase your chances of winning at games. An understanding of algebra is helpful but not necessary you just have to like numbers!

1:30 p.m. – 3:30 p.m. Understanding Diversity, Equity, and Social Justice

Class 1803 (Dr. Juan Rios Vega)

Social justice in education demands equity for all students. Student diversity includes the variety of personal experiences, values, and worldviews that arise from race, ethnicity, gender/gender identity, religious and spiritual beliefs, class, age, color, sexual orientation, disability, immigrant status, and national origin. We'll combine writing and technology to explore these topics. As a class, we'll reflect on social issues through critical dialogues, writing skills, and digital storytelling to increase our empathy and responsibility as global citizens.

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The logo consists of the year '2022' in red, stacked vertically on the left. To its right, the word 'WORLD' is written in large, bold, black letters. A red circle containing a white globe is positioned over the 'O' in 'WORLD'. To the right of 'WORLD' is the word 'OF' in red. Below 'WORLD OF' is the word 'WONDER' in large, bold, black letters.

For students entering 4th or 5th grade; students may take one, two, or three classes.

8:00 a.m. – 10:00 a.m. Piecewise Functions - Building with Graphs and Equations

Class 1401 (Carolyn Sutton)

Join us to learn how to graph different types of equations, linear, quadratic, and absolute value. We'll learn how to manipulate the graphs of these functions through their equations. Throughout the week we'll complete a series of activities, games, and challenges on DESMOS (an online graphing tool) to practice our skills. At the end of the week, we will design artwork created entirely out of mathematical equations.

10:15 a.m. – 12:15 p.m. Scientific Investigations and Discovery

Class 1402 (Sarah Urbanc)

In this class, we'll make science come alive as we explore various chemical principles. Get ready to discover exothermic reactions by making elephant toothpaste, learn about polymers by making bouncy balls, and even determine how to trick our friends with science magic (we'll even dabble in an edible science project). Throughout the week, we'll refine our skills in the scientific method as we develop hypotheses for our experiments and journal as we observe, predict, and interpret our data.

1:30 p.m. – 3:30p.m Crafting Effective Communication

Class 1403 (Kirsten Coulter)

Effective communication is essential for success. To some people, fear of public speaking ranks higher than the fear of death, but it's really not that scary at all! If you can speak well, you can rule the world! In this class, we'll research a topic, study great speeches for tips on organizing ideas, and learn how to put it all together effectively. We'll also dabble in debates, discussing how to argue and win, and how to think on your feet. To wrap up the week, we'll use our new skills to put on a mini Mock Trial. Join us to sharpen your communication skills in critical thinking, forming a persuasive, cohesive argument, and public speaking.