Six Course Choices:
Fantastical Fractions
Join the Geospatial Revolution
Origami Geometry: A Look at Japan from a Math and Science Perspective
Hot Off The Press! News Reporting, Editing, and Layout
Infinity and Beyond
Let’s Explore Art

Fantastical Fractions
Calling on future architects, carpenters, and interior decorators! Did you know that these jobs require using fractions and numbers on an everyday basis? In Fantastical Fractions, you will embark on a creative journey showing how fractions are used in a variety of mediums. Then, apply your mathematical knowledge of how parts form a whole and express their thinking through art as well as in their writing. Come join us on this creative journey full of numbers and possibilities!

Join the Geospatial Revolution
Love of maps + love of technology = a geospatial revolutionary! During this course you will learn how technology is helping us “see” the earth better. You will get a chance to play with some of that technology. You will start with that most basic geospatial tool: the map. You will learn how to use and create maps about your favorite topics. Then you will learn how to create a tour using Google Earth, so that you can show the world what you know.

Origami Geometry: A Look at Japan from a Math and Science Perspective
Welcome to Origami Geometry! This class will be an all math, all the time class that will feature Japanese paper folding, Origami, illustrating basic principles of Geometry such as angles, shapes, flip, and folds. The protractor will be your friend in this class and so will the Japanese soroban, or abacus. You will learn how to count in Japanese and how to figure out how much yen you will need, depending on the exchange rate, to buy a plane ticket to Japan. You’ll use math formulas to figure out how long it will take your plane to get to Tokyo from Virginia. And, when you get to Tokyo, how will math and science help you climb Mt. Fuji? You want to learn Sumo? There’s physics involved here! What is the probability that your Origami Frisbee will win in a paper Frisbee-throwing contest? If you’re up for the adventure, join this mathematical/scientific journey to Japan.

Hot Off The Press! News Reporting, Editing, and Layout
Get ready to write and publish your work! For five weeks, you will become reporters as they learn about the world of news publishing. Your journey begins with an overview of news publication, and an investigation into the question “what makes news?” Then grab your press pass and reporter’s notebook to do some hands-on reporting. Your final project will be managed from start to finish by students, with teacher guidance. Each student will leave class with a student-produced newspaper.

Infinity and Beyond
5,4,3,2,1...Take off into a learning journey about the solar system! We’ll explore the planets, stars, and other astronomical wonders. What makes a gas giant? What stories do the stars tell us? What’s hidden up in space? We’ll take an imaginative journey through the cosmos with art projects and creative writing. Join us and be a space explorer to infinity and beyond!

Let’s Explore Art
Come explore various art mediums while learning about a variety of artists and artistic styles. We will sculpt, draw, and paint with several mediums, from tempera to water color. We will even finger-paint! We will start off by pretending to be Michelangelo and Da Vinci. Next we will pretend to be Suerat and explore Pointillism. We will learn how this style is being used in interesting ways even today. Then we will use our imaginations to take a trip to Tahiti and the South Seas and explore how Gauguin used nature in his art. Pretending to be Van Gogh and Picasso will allow us to explore our wild side of art creation! We will conclude our unit with an art show where we share our explorations and our own artistic creations with our families.