The Magic of Mathematics
Virtual Camp
July 15, 2024 to July 19, 2024
1 p.m. to 3 p.m. EST

Daily Schedule

12:45PM - 1:00PM	Camp Virtual Room Opens
1:00PM - 1:05PM	Attendance
1:05PM - 2:00PM	Activity Time
2:00PM - 2:05PM	Break
2:05AM - 3:00PM	Activity Time
3:00PM - 3:05PM	Camp Virtual Room Closes

Camp Agenda

Session #1: Algebra Architects

Jul 15, 2024 | 1pm - 3pm EST

In this session, participants will be going through algebra skills, and using them to create a city. Students will learn how to solve algebraic equations and utilize the roots to exercise plotting. The students will also be taught principles such as substitution and elimination with linear equations.

Session #2: Quadratic Quest

Jul 16, 2024 | 1pm - 3pm EST

In this session, students will continue with the city design with an emphasis on quadratics. Students will learn to solve quadratic equations and display curves on a digital graph paper. Quadratics will be used in the context of real-life scenarios which can be better understood with the use of math.

Session #3: Rapid Routes

Jul 17, 2024 | 1pm - 3pm EST

In this session, students will be introduced to the basics of calculus - derivatives. We will learn what a derivative is, and how to perform the mathematical operation on a linear or quadratic equation.

Session #4: Derivatives and Applications

Jul 18, 2024 | 1pm - 3pm EST

In this session, skills with derivatives will be built on - with less of an emphasis on the mathematical skills, and instead on using them to solve real world problems connecting to how linear and quadratic equations change.

Session #5: Resource Riddles

Jul 19, 2024 | 1pm - 3pm EST

In this session, participants will be introduced to another calculus topic - the integral. This powerful tool allows us to understand how a rate of change in a mathematical equation affects the total amount, and using these skills to understand how resources can be managed more efficiently.