

Minecraft Mathematics: Elementary Level



Dates: Tuesdays April 11th – May 16th

Time: 4:00pm- 5:30pm

Location: PAST Innovation Lab, 1003 Kinnear Road, Columbus, OH 43212

Grade: 3rd – 5th **Ages:** 8-11

Price per Student: \$60

Principal Instructor: Heather Kellert

Email: hkellert@pastfoundation.org

Expand your math skills with Minecraft!

Mine and craft your mathematics skills with one of today's most popular video and computer games, Minecraft. Students will partake in a variety of tasks designed to foster their understanding of proportional and algebraic reasoning, scale, and coordinate plane geometry.

Possible tasks may include:

- Build the classroom in Minecraft! What measurements do you need to know and how can we find them? What math do we need to do in order to replicate the room in the game?
- Build a rollercoaster or amusement park using redstone components! How steep can we make the rollercoaster as it climbs up hills and falls off cliffs? ...and what is the math we can use to express those inclines and declines?
- Build a house! You have a certain budget and number of materials you can use... how will you mathematically strategize how to use them?

The cost of this program is \$60 per student, which includes all in-class materials with the exception of computers. **Students will be responsible for bringing their own laptop to access the Minecraft software. Please no Chromebooks!** If your student needs to borrow a PAST laptop, please let us know ASAP, as supplies are limited. Minecraft accounts are available free of charge for use during the class. Students are also welcome to use their own accounts.

This program will be offered Tuesdays PAST Innovation Lab, from April 11th – May 16th, and is limited to the first 15 students that sign up.

Use this link to register today: <https://pastfoundation.org/events/minecraft-mathematics-elementary-spring-2017>

A Program of the PAST After School Series

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