

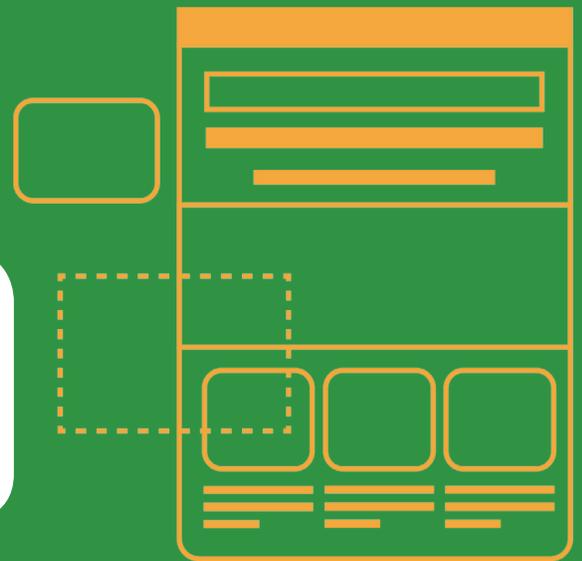
MineCraft Programming

AGES 7-10 | 1 WEEKS | Monday - Friday: 9-3:30

Location

Vienna, VA - The Lab

\$499 | Bring your Snacks



This creative and fun Minecraft summer camp is packed full of learning, experimentation, problem solving and creativity. Your child's adventure begins by uncovering the secrets in Minecraft whilst learning about subjects such as the mechanics of water, tertiary colors and so on.

Once secrets are uncovered, they will learn how to mod (modify) Minecraft by understanding how blocks, items, creatures and the Minecraft world itself works in the back-end. They then progress onto learning how to create and configure properties, functions and textures of these fundamental elements of the game. Functions determine how a mod performs and they are only limited by your child's imagination and can be as wide ranging as making it rain sheep or creating an explosion when you step on a special block!

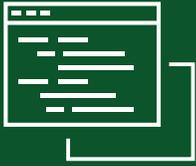
Once your child has mastered this level of modding at our Minecraft camp they will be able to design, implement and test a variety of different types of mods, such as blocks, tools, creatures, dimensions and so on – unleashing the unlimited number of exciting possibilities for your child to mod.

main topics

- ✓ Minecraft basics(Mining, Farming, Crafting, Surviving, Fighting, Exploration)
- ✓ House and Building Creation
- ✓ Color Theory
- ✓ Modifying Minecraft
- ✓ Using Minecraft's event system

projects

- ✓ Mining, Farming, Crafting, Surviving, Fighting and exploration
- ✓ Build custom blocks, Custom items, custom tools/weapons, custom armour and custom monsters
- ✓ Building a program with If-This-Then-That algorithms
- ✓ Define custom functions in Minecraft
- ✓ Brewing potions and conquering Nether



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camp overview

Design Challenge

Students learn the fundamentals of computational thinking by working together to come up with a creative solution to a problem.

Minecraft Foundations

Students learn the key concepts of modding with Minecraft.

Final Project

Students work with instructors to review their skills and establish final project goals.

Students create a futuristic greenhouse.

Final Project Presentations

Contact Us

info@generationcode.com

(866) 407-2345

The Vienna Lab

Ayr Hill Court, 112 Church St NW
Vienna, VA 22180

M-F 09:00 am - 03:30 pm

Expert teachers and coders will support your child throughout his or her GC camp experience.

What to bring: Lunch (unrefrigerated)

daily schedule

09:00 AM | Intro + Kickstart Activity

09:30 AM | Explain and Explore

10:00 AM | Engagement Activity

12:00 PM | Lunch

12:30 PM | Project Time

02:00 PM | Paired Programming +
Presentations

03:00 PM | Wrap-Up Activity

03:30 PM | Dismissal