

Robotics & Coding

Winter Camp Sampler



Ages: 7-10 | Wednesday-Friday | 9:00 am -5:30pm

Session 1: December 26th-28th | Session 2: January 2nd-4th

Location: 112 Church St NW, Vienna, VA 22180

Half-Day Camp x1: \$199 | Half-Day Camp x2: \$359

Full-Day Camp x1: \$359 | Full-Day Camp x2: \$689

This winter break, join Generation Code for our holiday coding camps - with full and half-day options, plus special discounts when registering for both sessions!

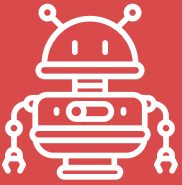
Don't let your child spend winter break glassy-eyed playing Xbox, computer games, or watching television. Instead, get your child's brain churning with the gift of coding and empower your child to create games, animations, and robotics of his or her own! Exciting and varied activities offered each week featuring trial pilots of all age-relevant Generation Code courses.

objectives

- ✔ Use visual and text-based coding to design programs for robots
- ✔ Design simple algorithms, sequence animations & original games in Scratch
- ✔ Learn how to approach problems using the engineering process
- ✔ Amplify creativity, make new friends, and have fun!

exemplar projects

- ✔ Designing a maze-navigating robot program using color-based code
- ✔ Programming a fashion show or Pokemon project
- ✔ Developing an interactive video game or digital animation
- ✔ Navigating a labyrinth using a robot and sensors
- ✔ Building a multi-task robot



Intro to coding: Visual Programming & Robotics

Location: 112 Church St. NW, Vienna, VA

camp overview

Visual
Programming
Fundamentals

Gen-Coders learn about the fundamentals of design, then apply those to a program created in Scratch.

Animation &
Game Design

Gen-Coders customize Sprites, learn to animate them, and build games.

Programming
Fundamentals

Gen-Coders learn how to create algorithms, design sequences, and debug programs.

Hardware

Gen-Coders learn the basics of building robots.

Course
Samples
Include:

Scratch Animation & Game Design, OzoRobotics, Engineering & Robotics

Vienna Lab Location

112 Church St NW, Vienna, VA 22180

W-F 9:00 am - 5:30 pm

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

What to bring: Snacks and a water bottle for half-day participants PLUS lunch for full-day campers. Coats encouraged!

08:30am | Early Drop off Begins

09:00 am | AM Workshop Session 1

11:00 am | Break/Outside Recess

11:30 am | AM Workshop Session 2

01:00 pm | Lunch

01:30 pm | PM Workshop Session 1

03:00 pm | Break/Outside Recess

03:30 pm | PM Workshop Session 2

05:30 pm | Dismissal

06:00 pm | Late Pick Up Ends

contact us

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