

Scratch Animation & Design

Visual Programming 1

AGES 7-11 | 1 WEEK | Monday - Friday: 9-3:30

Location

Vienna, VA - The Lab

\$499 | Bring your own Snacks



Our Scratch Animation & Design summer camp builds a strong foundation in computer science and creative problem solving through animation and design. In just 1 week, your child will learn to build animated storyline, make dynamic sequences, and create his or her animated story or game.

This introduction to visual programming is perfect for beginners and experienced young coders. By the end of this program, students will be ready to take on more complex visual programming courses and be on their way to learning text-based coding languages like HTML, CSS, and Javascript.

main topics

- ✓ Visual Programming Fundamentals
- ✓ Algorithms and Sequences
- ✓ Engineering Design Principles
- ✓ Digital Storytelling

projects

- ✓ Designing simple algorithms and sequence animations in Scratch
- ✓ Creating original sound compositions and characters
- ✓ Building static vs. dynamic animation sequences
- ✓ Creating personal animated story
- ✓ Designing multiple scenes to create a narrative



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camp overview

Design Day	Students learn about the fundamentals of design, then apply those to a program created in Scratch.
Animation	Students create static and dynamic animation sequences.
Game Design	Students use Microbit to create fun games
Final Project	Students create an animated story or a game in visual programming.

Graduation Ceremony

Location

The Vienna Lab

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

M-F 9:00 am - 03:30 pm

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 | Early dismissal

Contact Us

info@generationcode.com

(866) 407-2345