

Robot Typography

This activity combines the power of code and robotics with typography.

After practicing drawing basic shapes (squares, rectangles, triangles, circles, etc.), students can level up to drawing letterforms in different styles with code.

Teacher Prep

- Gather examples of typography and lettering styles to share with your class
- Print and distribute Root Alphabet guides.

With the Class

- Challenge students to design their own typeface by coding in the iRobot Codescape with a SimBot or a Root robot.
- Letters can be created using Coding Levels 1-3, as well as the Marker, Move, Turn, Arc and Wheel Speeds Blocks
- Students can use the Root Alphabet guide to get started
- After practice, challenge students to try drawing letters of different styles. Can you write in cursive?

Extension

- Once each typeface is designed, challenge students to digitize them to create a font for digital use.

Subject(s):

Coding/Robotics
Visual Arts

Experience Level:

Beginner to Advanced

Time:

30-60+ minutes

Group Size:

1-4

Supplies:

iRobot Codescape
Root Alphabet Guide

Optional Supplies:

Root Coding Robot
Dry-Erase Markers
Whiteboard Grid or other drawing surface

