

Writing letters is a lot like drawing shapes! In this coding challenge, use code to communicate your values. Start small by coding one letter or work together to make a whole word! What qualities do you value most? Say it with code!

Getting Started

1. Visit code.irobot.com or the iRobot® Coding App on an **Android** or **iOS** device.
2. Tap on the + icon to open a new coding project.

With Coders

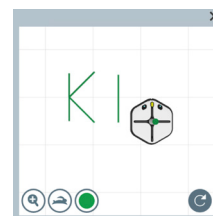
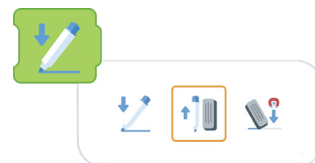
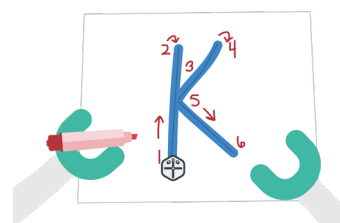
1. Brainstorm a list of important qualities. Decide which value you'd like to code and work collaboratively on coding each letter.
2. Plan how to code the first letter of the chosen value. Keep in mind where you want the Root Coding Robot to begin. In the simulator, the default position for the simbot is facing up.
3. Drag in a Marker Block to the coding project.
4. Use Move and Turn Blocks to create the first letter Tap on each block to open its editor. This is helpful when coding different angles.
5. After the first letter is complete, code the Root Coding Robot to lift the marker. Drag in a Marker Block and tap on it to open its editor. Click on the Marker Up icon to raise the marker.
6. If there are many blocks in the code, click and hold in the project editor to scroll left to right.
7. Encourage coders to problem solve to complete their coding challenge!

Subject(s):
Coding, Robotics

Experience Level:
Beginner, Intermediate

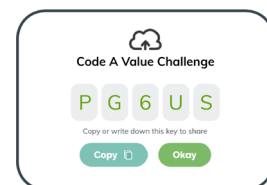
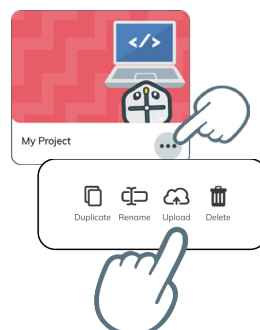
Time:
30-45 minutes

Group Size:
1-3



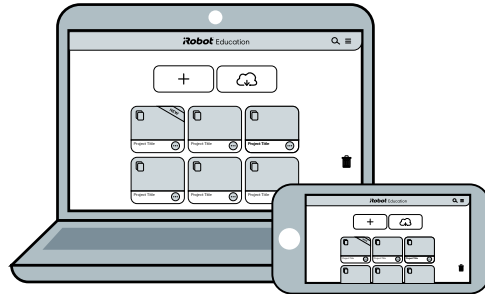
Share Your Projects

1. Click the three dots on your coding project
2. Rename your project. Tap the Upload Icon
3. Copy your Project ID
4. Share your Project ID on social media and tag us @iRobotEducation! Post a picture as well!



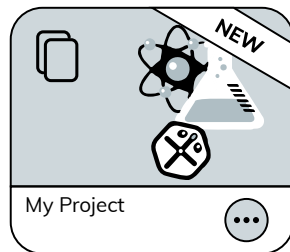
Uploading Projects

Step 1:



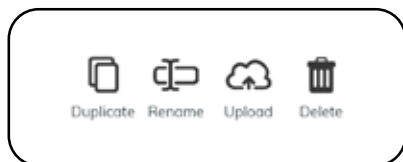
Visit **code.irobot.com**
or the **iRobot™ Coding App**.

Step 2:



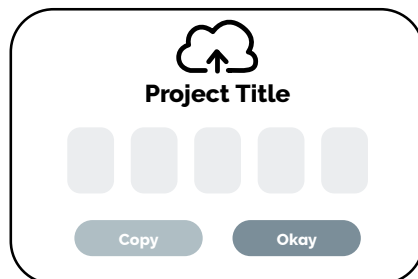
Select the project. Click on the
three dots.

Step 3:



Click on the **Upload Icon**.

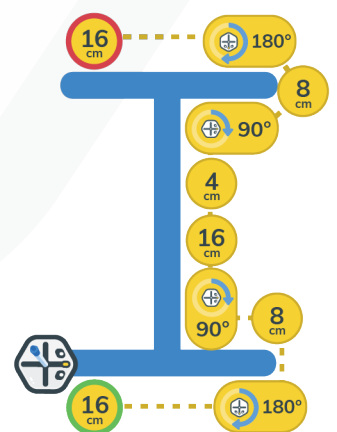
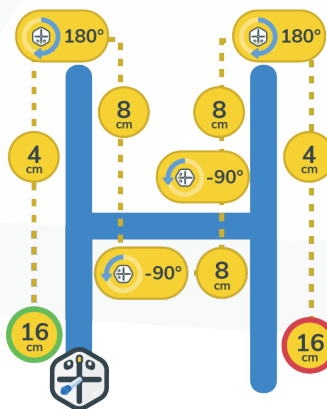
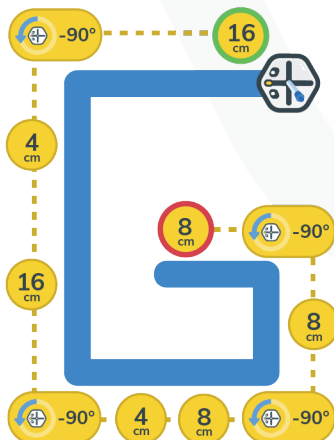
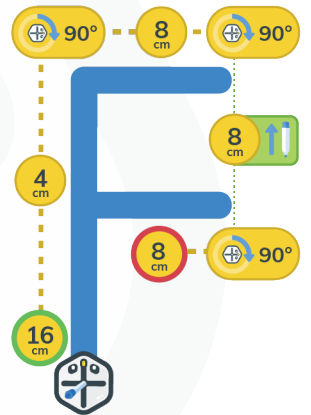
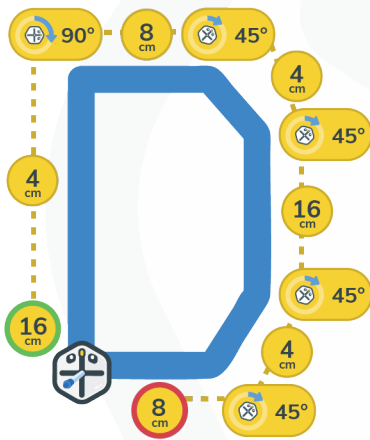
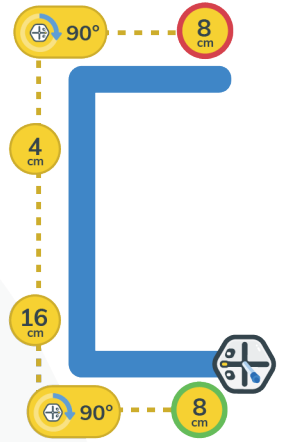
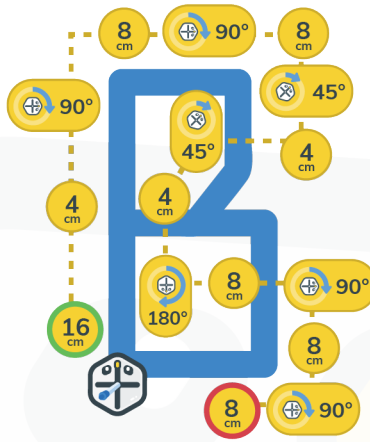
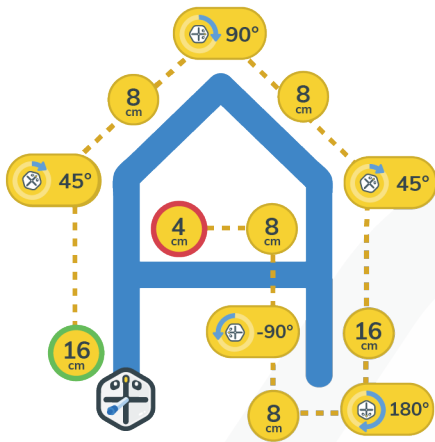
Step 4:



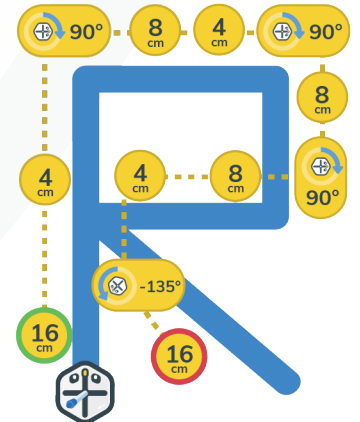
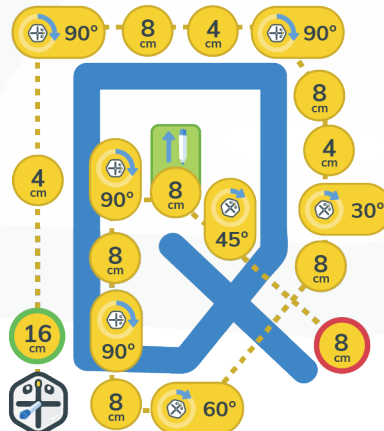
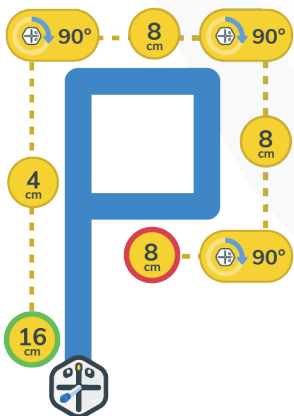
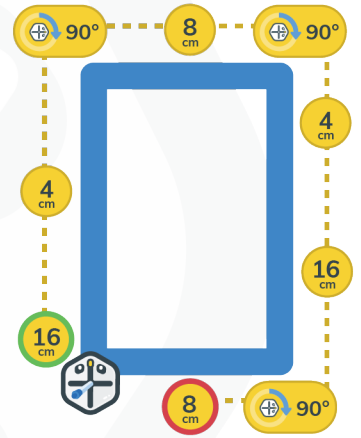
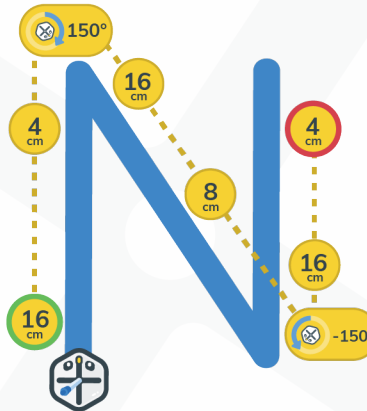
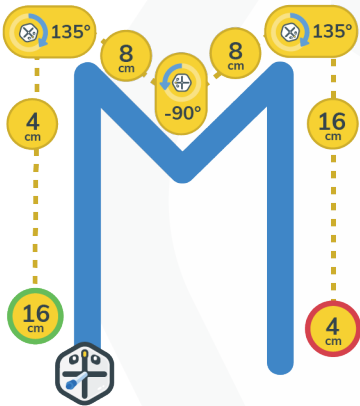
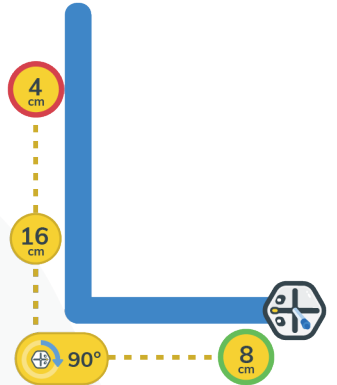
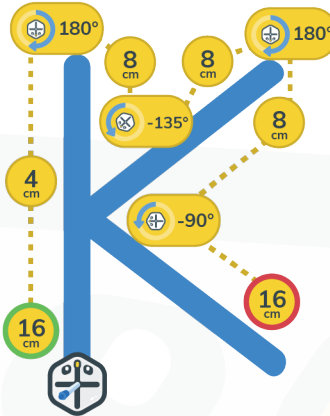
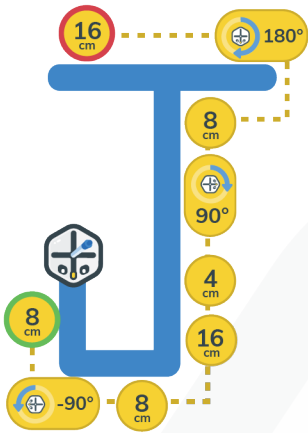
Copy the project code to
share with your friends!

Root Alphabet

Learning Level 1



Learning Level 1



Root Alphabet

Learning Level 1

