

Curling

Introduction

1. Choose someone to read aloud to the group:

“A variable allows a code to save a number for later use. The number can represent anything from the number of centimeters the robot has to drive, to the number of degrees it has to turn. Variables also allow for the integration of math into your code, as variables can be added, subtracted, multiplied and divided as needed for complex tasks.”

Guided Practice

1. Build this code on your screen. The blocks are colour-coded to match the menu colour.



2. The Variable is called “Gas”. The more gas you add to the tank but pressing the “circle” button, the further Cue drives when you Press the “main” button.

Independent Practice

1. Try adding another button to reduce the range.
2. Try adding another variable to control the speed Cue Drives, as well as distance.

Curriculum Connection - Distance Estimation

1. Try to use the program to estimate the distance to an object. Add gas to the tank to add distance to Cue.
2. Press the “main” button let Cue go. See if your estimate is correct.

