

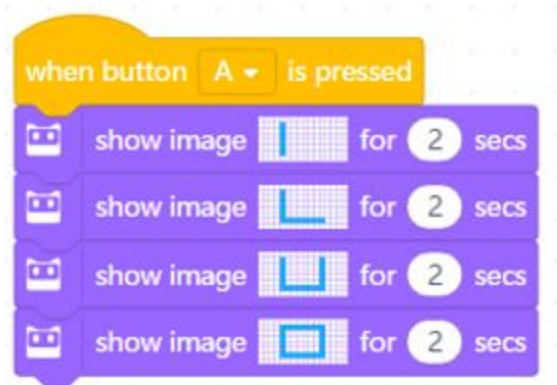
Squares

Introduction

In this activity you will use Makeblock's Codey Rocky, you will drive Codey Rocky in a square, created using a loop, while also drawing a square on Codey Rocky's LCD screen.

Guided Practice

- Have Codey Rocky drive in a square without a loop by connecting "Move Forward at power..." blocks and "Turn Right" blocks.
- Have Codey Rocky draw the same square without loops on its LCD screen by connecting "Show Image for..." blocks and drawing a new line with each block until you have 4 lines.



Independent Practice

- Now it is your chance to improve this code! Figure out how to make it more efficient by adding a "Repeat" block somewhere in your code.

Additional Challenge

- Your challenge now is to make sure the timing of driving and drawing is matched. Once the timing is set for this small square, attempt to drive in larger squares and match the timing of drawing on the screen, even using different ways to draw such as one dot at a time.