

Student Journal

U3-1.1d Challenge up: Drive a circle

What to do

Write a program for Edison using EdScratch so that your robot can drive in a circle. Your Edison needs to drive in the shape of a circle, not just spin in one spot. Your program needs to use a definite loop control structure, so be sure to include a **repeat** block. Your program should be as efficient as possible, so try to use as few blocks as you can while still completing the task.



Hint!

What do you notice about how a shape looks the more sides it has? If you are feeling stuck, try looking at shapes with many sides, such as a decagon and an icosagon. Use the pattern you see to help you write your program

Download your program to your robot and use activity sheet U3-4 to test your program.

1. What does your program look like? Write your program below. Be sure to include all the input parameters you used.

2. Does your robot drive in a perfect circle? If not, can you think of a reason why not?

Activity sheet U3-4: Drive a circle

