

## U2-2.5a Challenge up: Spinning garden

Edison's two motors each control a powered socket, one on the right side of the robot and one on the left. When you want the robot to drive, you attach wheels to the powered sockets using the wheels' axles. The motors turn the axles, which turns the wheels and allows Edison to drive.

How else can the powered sockets be used?

If you turn an Edison robot on its side, you won't be able to drive it like a car. Instead, you can use the robot to be the powered base for an invention!

What could you attach into the powered socket instead of a wheel? What will happen when the motor is turned on?



### Don't forget

The wheels of your Edison robot can be removed from the powered sockets they sit in. These sockets are what Edison's motors actually move.

### What to do

In this project, you need to use your Edison robots to help create a spinning garden. Work in a group to design a garden that uses Edison robots as the bases for plants, flowers, bees, birds or whatever else you would like to have in your spinning garden.



You can take the wheels off of the robots and use a different axle inside the powered socket or build using a wheel as a base. Each robot needs to have something created and attached to it which can spin in the garden.

Each robot will need to be programmed using EdScratch. Write and test your programs for each robot. You may need to make adjustments to your program depending on the type of object you are using and how you attach that object to the powered sockets of each robot.



### Hint!

The **set right motor** and **set left motor** blocks are very helpful if you only want one motor to move. **Don't forget** you need another block, like a **wait** block, in the program to set the duration for the **set motor** blocks.