

Rhino Remedy

Explore

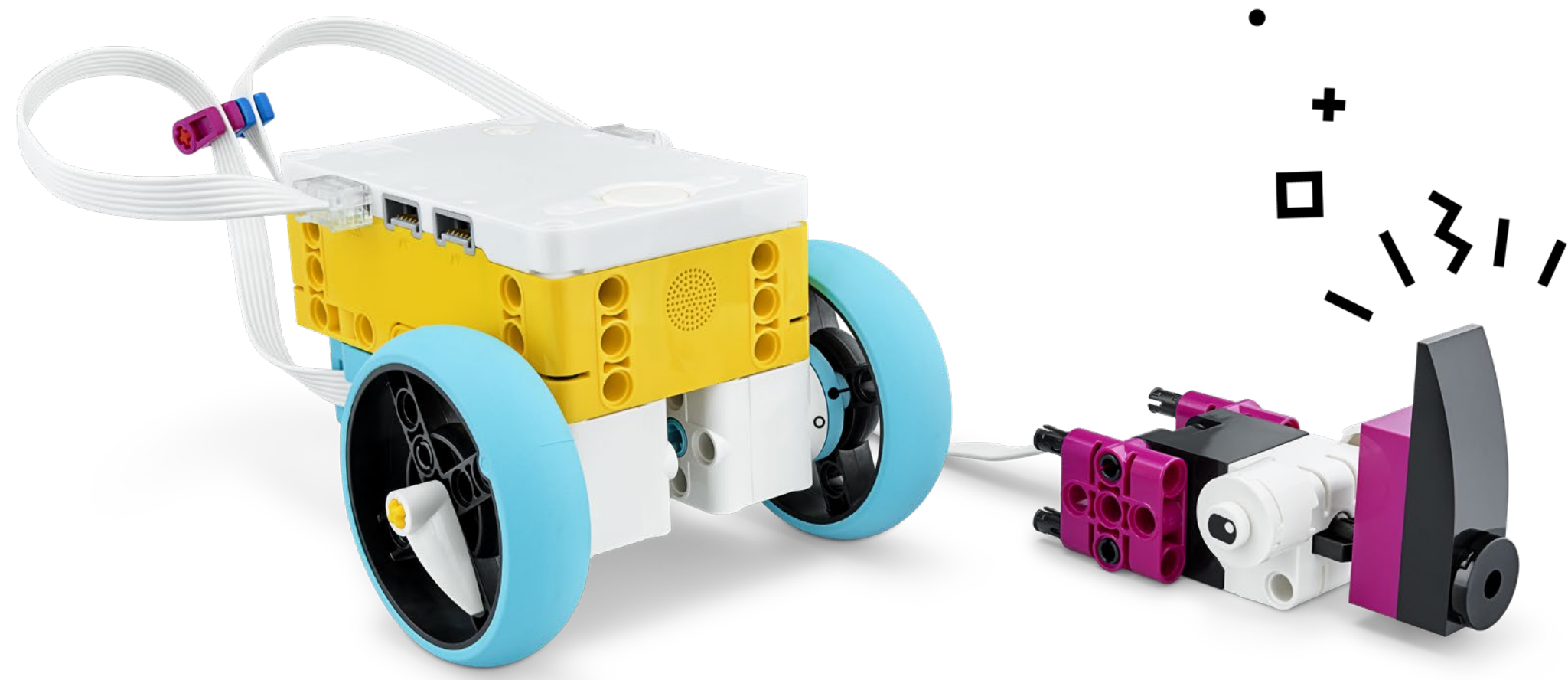
Check out the [Going the Distance](#) lesson and the Force Sensor Tutorial. Build the model and practice coding. Then, try this debugging challenge!

Debug

A bug is an error in a program that doesn't allow it to function properly. Debug means to identify and fix the error in a program.

Extend

Develop a code and intentionally include a bug. Show your code to a classmate or friend to see if they can debug the program.



```
when program starts
  set movement motors to B+A
  set movement speed to 50 %
  start moving straight: 0
  wait until A is released ?
  stop moving
  move up for 10 rotations
  stop moving
```

Challenge

A student is working to solve one of the challenges in this lesson. The goal is to program the Force Sensor on the rhino's nose to stop the motors when it hits a "wall" of bricks.

A student added the Force Sensor to their rhino. They wanted:

- The rhino to move straight ahead until it hits a "wall."
- The motor to stop when the Force Sensor is pressed.
- The rhino to reverse 10 inches away from the "wall."

The program didn't work as intended. Can you help fix the code to work properly?

Explain the changes you made and why you made them?