

# Python Tethered Driving

With Python and your USB to Serial Cable, you can control and drive your Create 2.

## Instructions

- 1) Install Python. You can download it [here](#). You will want to be using Python 3.
- 2) Ensure you have the [Pyserial library](#) installed.
- 3) Download [Create2\\_TetheredDrive.py](#).
- 4) Connect your robot with the Create 2 USB to Serial cable.
- 5) Run Create2\_TetheredDrive.py from Step 3.
- 6) In the "Create" menu, click "Connect"; then type in your COM port (for example, "COM99" or "/dev/ttyUSB0").
  - You can find your COM Port by going to your Device Manager, expand the Ports (COM & LPT) branch, and it will be noted as USB Serial Port COM[X]
- 7) If desired, click "Help" in the "Create" menu to see what keys are available.
- 8) If you haven't started Open Interface mode, put the robot into passive mode by pressing 'P', and then into safe mode by pressing 'S'.
- 9) Drive away; op codes will show themselves in the main window as you control the robot.
- 10) Upon exit, just close the window or click "Quit" in the "Create" menu. The robot will be left in whatever mode it was last placed in; if that was full mode, the robot will not respond with "normal" functionality.

### STEM Subject(s):

Python

### Experience Level:

Advanced

### Supplies:

- Create 2 and USB to Serial Cable
- Python libraries