



# LEGO ROBOTICS DAY CAMP



## Build a Robot

- ❖ Build one of these robots using the directions provided:
  - Big Wheel Acrobot (Constructopedia #3804 pages 38-45)
  - Roverbot (Constructopedia #3804 pages 12-17)
  - Scooterbot (Team Notebook)
  
- ❖ Run Program 1 and see your 'bot in action
  - What do you think this program does?
  
- ❖ Find Input Ports 1 and 3. Connect a touch sensor to each port using a long wire.
  
- ❖ Run Program 2
  - What happens if you hold down both touch sensors?
  - What happens if you release both touch sensors?
  - What happens if you hold down only one touch sensor? Switch?
  
- ❖ Add the light sensor, connected to Input Port 2 (see below for where to find instructions). Run Program 3. Press the VIEW button when the light sensor is over white, then when it is over dark.
  - Big Wheel Acrobot (Constructopedia #3804 page 55)
  - Roverbot (Constructopedia #3804 pages 34-35)
  - Scooterbot (Team Notebook Light Sensor Addition)