

Partner Names: _____

Date: _____

Touch Sensor Basics

What is Touch Sensor?

Touch sensor is an input sensor that connects to the input ports (port 1, 2 or 3) of the RCX. Touch sensor senses if the yellow button on it is pressed or not.



Basics:

Connect the two touch sensors to inputs 1 and 3. Connect the two motors to outputs A and C. Press the PRGM button until program 2 is selected. Press the green RUN button. The two motors should start to rotate. Press the touch sensor connected to port 1 then the touch sensor connected to port 3. What happens to the motors? Press the RUN button again. Disconnect the touch sensors and reconnect them in different orientations. Press the RUN button once more. Has anything changed?



Lab Objective 1:

- Students learn how to use the View button on the RCX to see the touch sensor values.
- Students attach a motor to port A and a touch sensor to port 1.
- Write a program which makes the motor change its direction as soon as touch sensor is pressed.
- Use Inventor level to write the same program