

DESIGN ACTIVITY 2:

ANSWERS TO WORKSHEET QUESTIONS

1. How many programs can you store in the RCX at one time?

5

2. Write one sentence that describes what each of the 4 RCX buttons does.

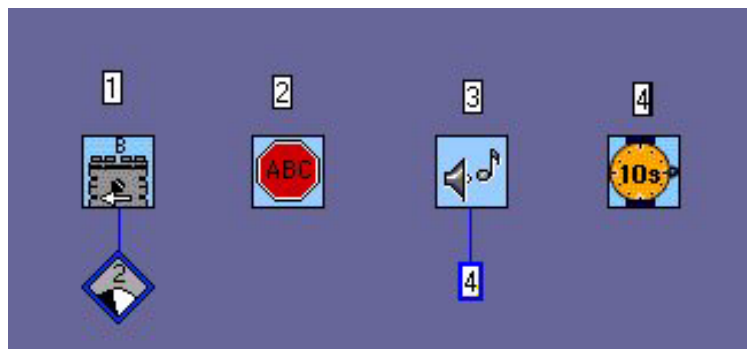
The On-Off button turns the RCX on and off.

The Run button starts a program running, or stops if it already running.

The Prgm button selects which program to run.

The View button lets you see the values of different sensor readings.

3. Write one sentence each that describes what these icons do.



1: This set of icons turns on the motor, which is attached to port B, in the reverse direction at power level 2.

2: This icon stops all motors attached to ports A, B, and C.

3: This icon plays a rising sweep sound (sound #4).

4: This icon makes the program wait for 10 seconds.

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4. List all of the problems with this scenario. Why can't you download the program to the RCX?

1. The InfraRed tower's serial cable is not plugged into the computer.
2. The RCX's infrared receiver is not facing the InfraRed tower.
3. The RCX is not turned on.



5. What is wrong with this picture? Why won't the motor turn?

The motor is attached to Sensor Port 3, not a motor port.

