

# Launch Lab: You, Robot?

**Purpose:** Reduce your neural capabilities to those of a fairly advanced robot.

**Materials**

- new ear plugs or cotton batting
- tongue depressor
- masking tape
- heavy gloves
- 2 pairs of pliers
- blindfold
- shoes with laces
- stopwatch

**Procedure**

1. Read the procedure and fill in the first column of the following data table to record the trial times.

Conditions	Time to tie shoes (s)	
	Partner A	Partner B

2. Work with a partner. With untied shoes, Partner A should sit on a chair in front of Partner B.
3. Time how long Partner B takes to tie Partner A’s shoelaces.
4. Repeat step 3 with Partner B wearing a blindfold and earplugs.
5. Now repeat step 3 with Partner B wearing heavy gloves.
6. Now repeat step 3 with tongue depressors taped to Partner B’s forefingers and thumbs.
7. Have Partner B hold a pair of pliers in each hand. Repeat step 3 with Partner B using the pliers to untie the shoelaces. Then repeat the task using only one hand.
8. Switch places and repeat steps 3 to 7.

**Analysis**

1. Describe how each sense impairment affected the ability to integrate (sort, interpret, and determine responses to) and process sensory information.

