

# Makey Makey Place Value

*Lesson Plan for Grade 1*

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## OVERVIEW & PURPOSE

Students will demonstrate understanding that two digit-numbers represent amounts of tens and ones. This lesson is designed to be teacher directed.

## EDUCATION STANDARDS

NY Common Core Math: 1.NBT.2 Understand that the two digits of a two-digit number represent amounts of tens and ones.

## OBJECTIVES

1. Students will demonstrate that tens are bundles of ten ones
2. Students will demonstrate that hundreds are bundles of ten tens or a hundred ones

## MATERIALS NEEDED

1. One computer with internet access and updated flash player
2. Access to [scratch.mit.edu](https://scratch.mit.edu/projects/150015290/) (<https://scratch.mit.edu/projects/150015290/>)
3. Makey Makey
4. 3 Pre-made switches

## ACTIVITY

Teacher will access the Makey Makey Place Value program at <https://scratch.mit.edu/projects/150015290/>. Teacher will then connect the Makey Makey to the computer, and then connect the Makey Makey to two or three switches.

Students will determine which pressure switch activates each place value and put them in the correct order.

Students will be given a two- or three-digit number (by the teacher) and students will activate the correct pressure switches to arrive at the correct number.

## **EVALUATION**

1. Students correctly identify which switch activates each place value, and then put the switches in the correct order.
2. Students correctly increase the individual place values to arrive at specific numbers.