

# Sensors

## **Materials**

WeDo kits with the sensors

Potentially kids might want extra wheels (for pulleys/cars)

Tape/string (if students want to make an elevator)

## **Problem**

We wanted to introduce the students to sensors. To do this we did the Human Robot activity with a twist--First we had the students program a STOMPER to find the door, then we changed the starting location and the students needed a different program. So we talked them through the idea of a sensor and had them do the Human Robot activity again where they described a program that would work no matter where the STOMPER started. We asked the students to design and build something and then program it using a sensor. We reminded the students of some things they had previously built and talked about how they could incorporate sensors into their program.

## **Procedure**

Students planned their design and then built. When they were ready they programmed.