

# Makeables



## Robot Masks Activity Guide

Get creative with robots using the activities below, which coordinate with Upstart's [Makeables Robot Masks Pattern Sheets](#).

**I Am a Robot** Have fun with this simple coding activity that has students programming their own life-size "robots"!

### What you need:

- Makeables Robot Masks
- Markers, crayons or colored pencils
- sheets of 8.5" x 11" paper or card stock

Divide students into pairs or small groups. Half of each pair or group will act as robots, and half will do the coding. Have the students doing the coding make a key of different symbols to represent actions to guide their robots. For example, a green arrow means move forward quickly, a red arrow means move forward slowly, a purple circle means spin around in a circle, etc. Have the students write different symbols on the 8.5" x 11" paper (one symbol per page) and lay the symbols down in different configurations on the floor. Meanwhile, have the students that are acting as the robots decorate and put on their robot masks. Then, have the robots use the keys to follow the sheets of coding placed on the floor by the coders.

**Build a Bot** Teach the value of upcycling while having students make their own robots out of recycled cardboard.

### What you need:

- Recycled cardboard boxes in a variety of sizes
- Duct tape or MakeDo cardboard connectors
- Makeables Robot Masks (to use on robots)
- Crayons, markers or other craft items

Have students use old boxes and their imaginations to construct wild and crazy robots. Display the robots throughout the school or library, or have students show off their creations in a robot parade!

**Robot Petting Zoo** Introduce students to a variety of different robots and coding activities by inviting them to interact with the bots at a robot petting zoo! Set up tables in your library, makerspace or classroom and display a number of different robots—either from your own collection or brought in from the community. Allow students to discover and explore what each bot can do.

[Click here](#) to check out the wide variety of robots available from Demco.