

# Design Your Own Robot

## Materials:

Paper  
Markers, pens, pencils, or colored pencils

## Instructions:

1. Search for Problems: Spend about 15 minutes looking around your house, outside, etc. to find problems and things that you could design a robot to do.
  - a. For example: A robot that rakes leaves, tie shoes, cleans up your room, etc.
2. Design Robotic Solutions: Then draw the robot you imagine could solve the problem you have identified. Add as much detail to your robot as you can, think of all the things you want your robot to be able to do.
  - a. If you find any real robots in your search brainstorm how you could improve it.
  - b. Don't worry about your robots looking perfect! Engineers create lots of drawings and ideas before they settle on which one to build.
3. Share Your Robot Designs: Share your robot drawing with your family and troop virtually.
4. (Optional) Create a Prototype of Your Robot: If you have materials (Cardboard, tape, string, various art supplies or upcycled materials) try to build a prototype of your robot.

If you enjoyed this activity and want to complete the Daisy What Do Robots Do Badge, click [here](#) to purchase the badge requirements.