

The Robot in Me!

Robots come in different shapes and sizes, and are designed for different purposes. A robotic vacuum cleaner looks very different from the Mars rovers, *Spirit* and *Opportunity*, and yet they are both robots.

After completing the other activities with your child today, your child can synthesize the information they have learned to create a robot of their own. Discover how your child pictures a robot, and the parts that go into a working robot.

What You Need:

- ✦ Butcher Paper
- ✦ Markers or Crayons
- ✦ Craft items (optional)

What To Do:

- ✦ Have your child lie down on the butcher paper, so that you can trace his/her outline.
- ✦ Then ask your child to illustrate the parts of their robot:
 - Parts to make the robot work properly (power source, computer processor, communications devices to receive instructions and share information)
 - Instruments for action (for moving, for measuring, for lifting or carrying, for collecting, for “seeing” and sensing, etc.)
- ✦ Help your child label the different parts and what they do.

Parent Prompts:

What type of work would you like your robot to do?

Where would you like your robot to work?

Why is it good to have a robot for this task?

What else does your robot need to do its job?

