

SCAVENGER HUNT!

There are a lot of parts used in robots that you can also find around your home or school. Ask an adult to help and see how many objects you can find that have buttons or switches, motors, LEDs, something you can program and something you think is robotic. For a challenge, see if you can complete the Scavenger Hunt without using "computer" in any category! Can you find objects that fit into more than one category?

Something that has buttons or switches

Something that has a motor in it

Something robotic

Something that you can program

Something that has an LED or indicator light

S.P.A.R.K.

Starter Programs for the Advancement of Robotics Knowledge

NATIONAL
Robotics WEEK
INNOVATION • TRANSFORMATION • EDUCATION

This scavenger hunt is brought to you by iRobot SPARK in celebration of National Robotics Week.
For more cool robot activities, visit spark.irobot.com and www.nationalroboticsweek.org!

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Complete curriculum available at <http://www.terk.ri.cmu.edu/curricula/robot-diaries/>
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BOOKS ON BOTS

FICTION

Picture Books

Joyce, William. **Big Time Olie.** Harper, 2002
Young robot Olie uses his shrink-and-grow-alator to change his size.

Lucas, David. **The Robot and the Bluebird.** Farrar, 2008
A discarded, lonely robot finds new life when he helps a small bluebird.

Tagg, Christine. **Metal Mutz.** Candlewick, 2003
When a robot needs a pet he makes one from junk in this creative art picture book.

Easy to Read

Baruffi, Andrea. **If I Had A Robot Dog.** Sterling, 2005
Young readers discover all the things a robot pet can do.

Pilkey, Dav. **Ricky Ricotta's Mighty Robot.** Scholastic, 2002
A boy and his robot find galactic adventures.

Staake, Bob. **Hello Robots.** Viking, 2004
4 robots use funny, unusual ways to solve problems.

Middle School

Bellairs, John. **Eyes of the Killer Robot.** Random House, 1987
What happens when a mad scientist creates a baseball pitching robot?

Fox, Helen. **Eager.**
Eager's attempts to serve his human family provide laughs and fun.

Gage, Brian. **Saddest Little Robot.** Radiation Press, 2004
A drudgebot seeks to discover what the world is really like.

Mahy, Margaret. **Raging Robots and Unruly Uncles.** Overlook Press, 1993
2 domineering robots convince brothers that their own children are pretty good.

Young Adult

Adams, Douglas. **The Hitchhikers Guide to the Galaxy.** Random House, 1993
Hilarious adventures as an android and his buddies roam the galaxy.

Asimov, Isaac. **I, Robot.** Doubleday, 1963
9 stories by perhaps the greatest teller of robot tales.

Clarke, Arthur. **2001: A Space Odyssey.** Penguin, 2000
HAL, the robot, guides a spaceship to Jupiter's moon.

Dick, Philip. **Do Androids Dream of Electric Sheep?** Random House, 1987
On future earth, androids fight to exist.

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BOOKS ON BOTS

NON-FICTION

Children's Books

Beyer, Mark. Robotics. Children's Press, 2002.
How robots change our present and our future.

Bridgman, Roger. Eyewitness: Robots. DK Pub., 2004
Excellent illustrations distinguish this account of robotics.

Fowler, Allan. It Could Still Be a Robot.
Children's Press, 1997
An easy to read introduction to smart machines.

Gifford, Clive. Robots. Atheneum, 2008
A complete guide to robots.

Jones, David. Mighty Robots. Annick Pr., 2005
Mechanical marvels that fascinate or frighten.

Stephens, Jay. Draw Your Own Androids, Cyborgs and
Fighting Bots. Sterling, 2008.
Learn how to draw robots from a comic book artist.

Wunsch, Susi. Adventures of Sojourner.
Mikaya Press, 1998
The Pathfinder Mission to Mars.

Yes Magazine. Robots. Kids Can Press, 2008
*Robots are used in many ways, from everyday to out of
this world.*

Young Adult

Brooks, Rodney. Flesh and Machines. Vintage, 2003
What is- and what might be- in robot development.

Cook, David. Robot Building for Beginners. Apress, 2002
Practical, usable advice on how to build your own robot.

Gutkind, Lee. Almost Human. Norton, 2006
Artificial intelligence and the future of robotics.

Menzel, Peter. Robo Sapiens. MIT Press, 2000
Robotic possibilities as seen with wonderful photographs.

Thro, Ellen. Robotics. New ed. Facts on File, 2003.
Development, capabilities and uses of robots.

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