

Explore Robotics!

Websites

<http://electronics.howstuffworks.com/robot.htm>

Visit this site to learn how a robot works and the similarities between robots and humans.

<http://homeschooling.gomilpitas.com/explore/robots.htm>

Learn about all aspects of robotics through the links on this site. There is a link that offers instructions on making your own nanorover. Another link provides tips and advice about teaching robotics to home schooled children.

<http://robonaut.jsc.nasa.gov/>

Visit this site for the latest information on NASA's current "Robonaut" project. Learn how NASA designed the human-like robot as well as how it functions.

<http://robotics.nasa.gov/>

Robotics Alliance Project: This site offers information on Robotics Summer Camps, Courses as well as other great opportunities for middle school and high school students. There is also a virtual astronaut school that is good for all ages.

http://news.bbc.co.uk/cbbcnews/hi/newsid_3910000/newsid_3914100/3914167.stm

Good BBC site for kids to investigate what a robot is, robot gadgets and toys, robots in films, robots in space and more.

<http://moon.msfc.nasa.gov/>

The Lunar Precursor Robotic Program oversees robotic missions to the Moon that are helping us prepare the way for humans to live and work there.

http://nasascience.nasa.gov/planetary-science/mission_list

Check out all the robotic missions – past, present, and future - working across our solar system!

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Books

Robotic Scorpion, Stewart, Silver Dolphin Books; Book & Toy edition, 2004, ISBN: 1592232116.

The author introduces budding scientists to the field of biomimetics, the science of creating machines or materials by copying nature.

The Robot Builder's Bonanza: 99 Inexpensive Robotics Projects, McComb, Tab Books, 1987, ISBN: 0830628002.

This is a collection of tested and proven projects that can be mixed and matched to create a wide range of highly intelligent and workable robot creatures.

Robotics: How They Work and What They Can Do, Vowles, Penworthy Pub Co, 1985, ISBN: 0876170092.

This book discusses different kinds of robots, how they work, how they are being used in industry and research, and what may lie in the future for robotics.

Robots, Bergin, Franklin Watts, 2000, ISBN: 0531148084.

Children will learn what robots are, how they function and what they are used for.

Robots, Gifford, Kingfisher Books Ltd., 2003, ISBN: 0753408422.

This book introduces children ages 9-12 to robots and all of the things that robots are capable of. Great illustrations accompany the text.

Robots: What They Are, What They Do, Berger, Greenwillow, 1992, ISBN: 0688098630.

Berger discusses the beginnings of robots to the current robots. This book could get children ages 4-8 interested in technology.