



Fernbank Science Center

Title: ROBOTS! ROBOTS! (4320)
Level: 3rd
Location: Local School

Type: Outreach
Length: 60 minutes
Limit: Grade level/Large Group

Program Description

Explore the world of robotics as a real science – one that is playing an increasingly important role in our modern world. Discover the uses of these marvelous machines in our homes and industries. Discover how scientist are using robots to solve all different kinds of problems- from medicine and assembly lines to outer space. Discover how magnets play a role in the functioning of many robots used in day to day life.

Standards

- S3P1. Obtain, evaluate, and communicate information about the ways heat energy is transferred and measured.
- S3P1c. Use tools and every day materials to design and construct a device/structure that will increase/decrease the warming effects of sunlight on various materials.

Vocabulary

android robots	gripper	vision
canister robots	image processors	sound
computer	anemometer	gyroscope
educational	robots	motor sensors
wheels	orbit	wheels

Pre-Visit Activities

Introduce the subject to be discussed by the Fernbank instructor, and solicit written questions from the students.

Post-Visit Activity

The Lighting Lab in the Sphero education section invites interested students, teachers and families to participate in numerous activities involving math, science, and programming. These phenomenal hands-on activities are found at the following website <http://www.sphero.com/education>

Resources:

Note: