

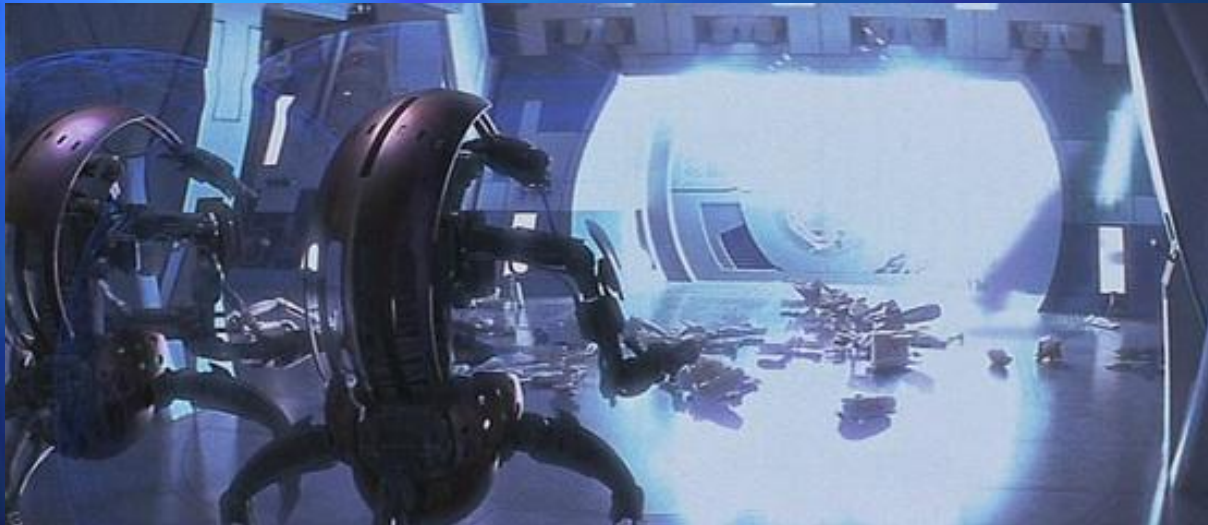
Welcome To the FANTASTIC World of Robots!



With
Thomas Messerschmidt

Today's Goals:

1. Learn about robots and robotics
(and)
2. See some COOL ROBOTS!



What is a Robot?

- A man once said, "I can't define a robot, but I know one when I see one."



Robotics : a Definition

**Robotics is
the science of robots:**

It is the design,
construction, operation,
and activities of a robot.

It includes: electronics,
mechanics, mathematics,
computer programming,
chemistry, and much
more.



Types of Robots



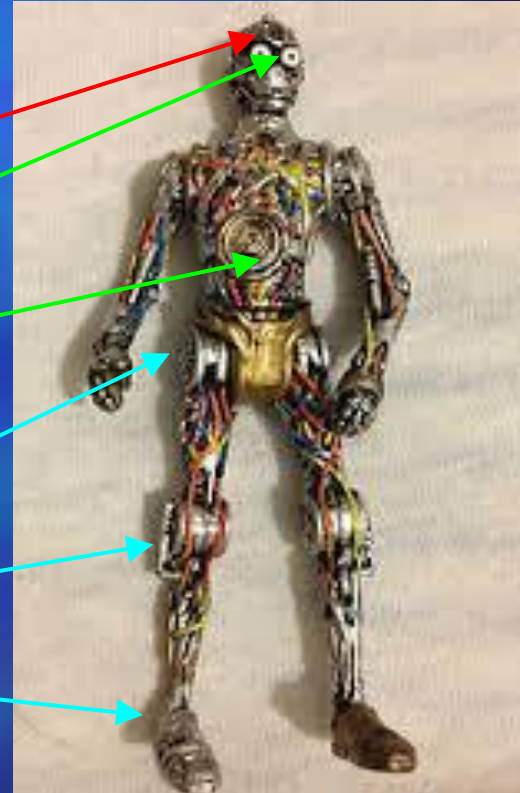
- Humanoid robots (androids)
- cleaning robots
- Entertainment robots
- Medical robots
- Space robots
- Animal robots
- Industrial robots
- Military Robots
- etc.



Robot Basics

The basic robot:

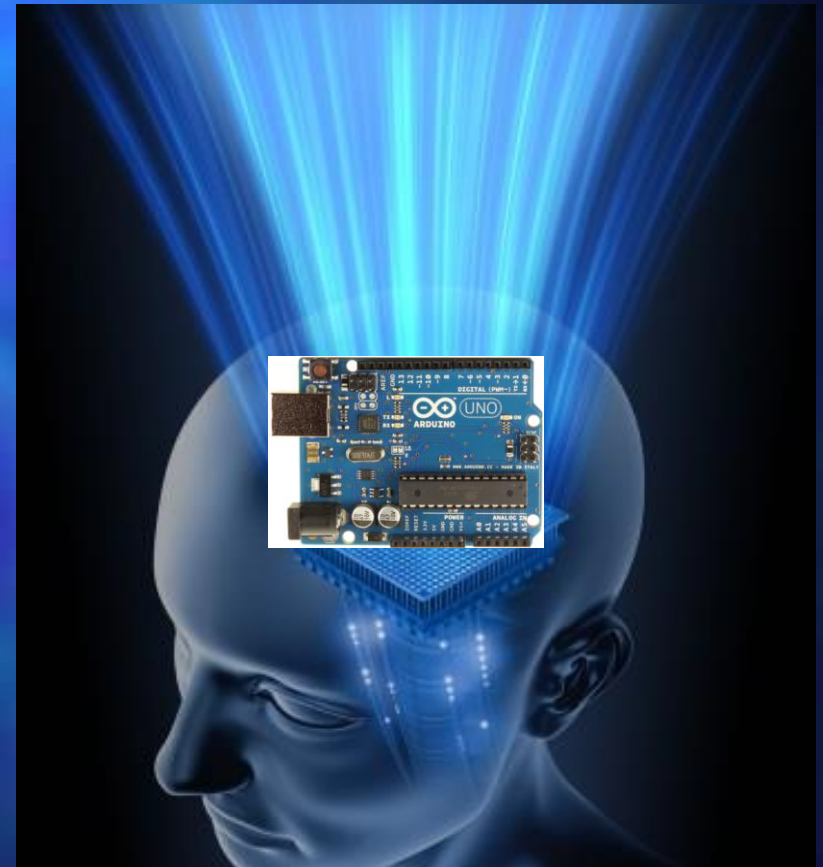
1. Brain (a computer)
2. Sensors
3. Electronics (motors)
4. Mechanics (Gears)



Robot Basics - Brain

The basic robot:

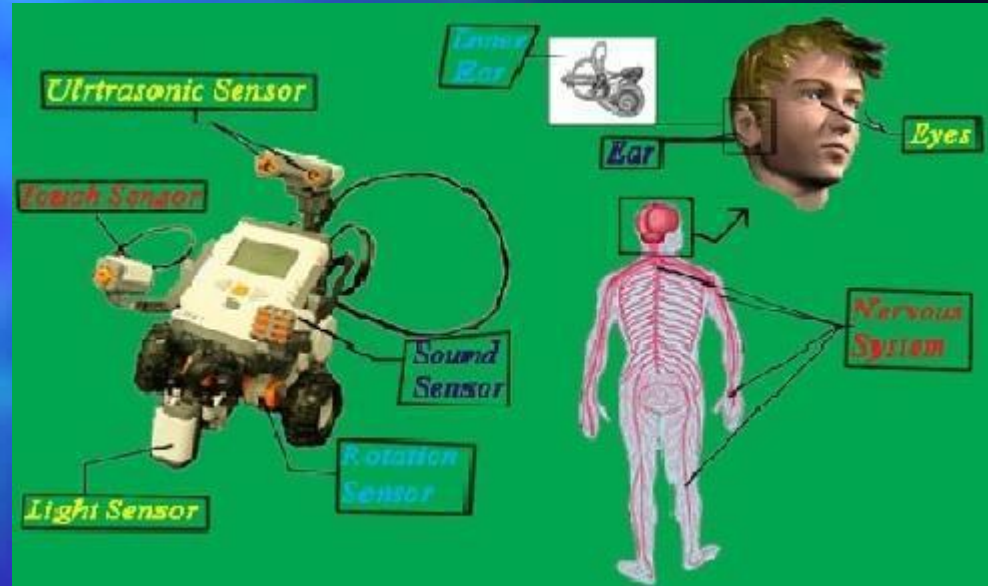
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Sensors vs. Sensors

Our FIVE Senses:

1. Sight
2. Hearing
3. Touch
4. Taste
5. Smell



Electronics and Gears - Motors

The basic robot:

1. Brain (a computer)
- 2. Electro-mechanics**
3. Sensors.



SEE MORE ROBOTS!

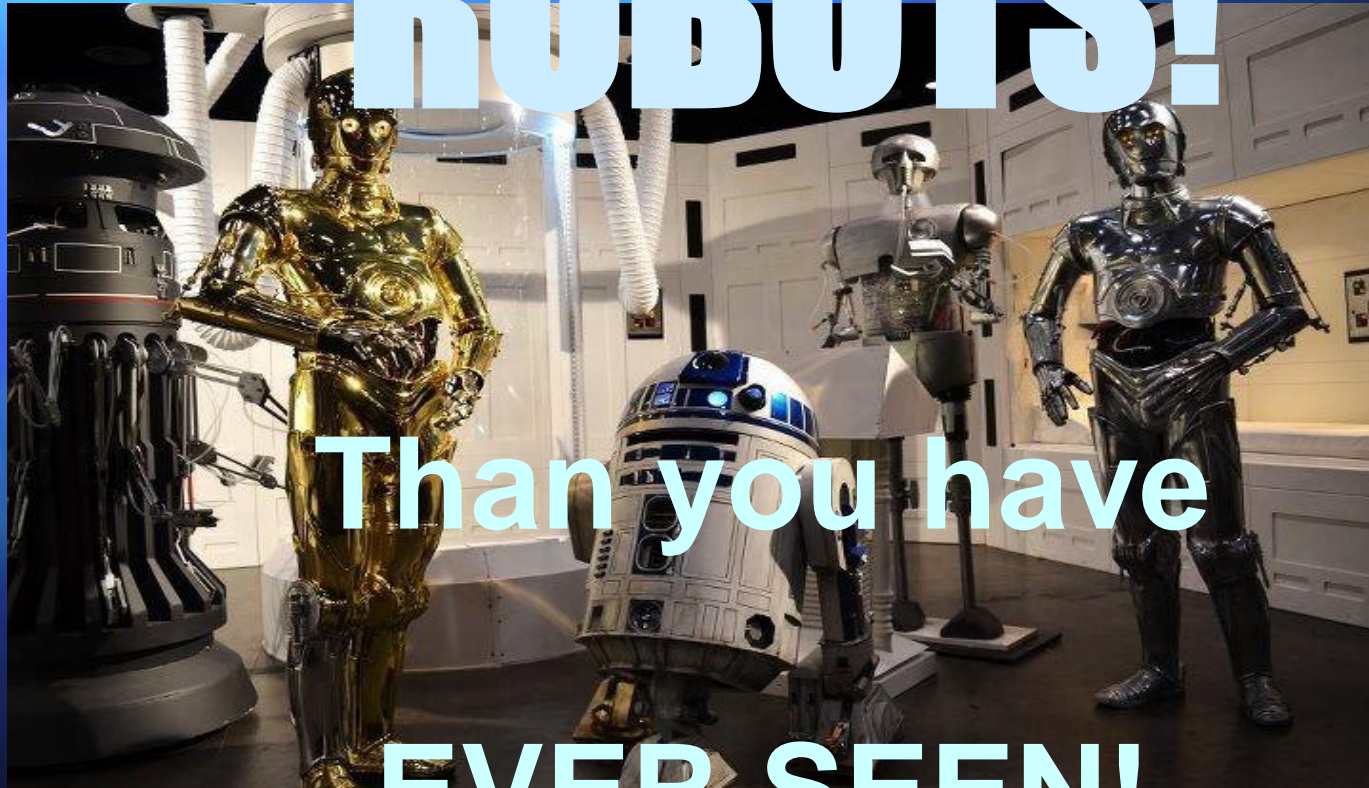
Come to the Riverside Robot Expo &
Star Wars Reads Day!



THIS SATURDAY at the Woodcrest Library!

More

ROBOTS!



Than you have

EVER SEEN!