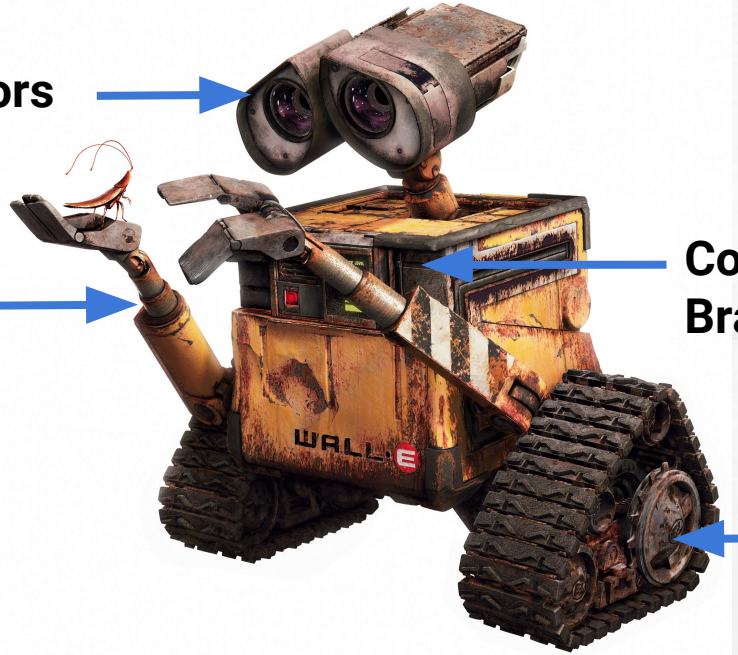
Programming Robots

with Westside Boiler Invasion and AndyMark

Parts of Robots

Sensors

Attachments



Computer/
Brain

Movement

Mecanum Wheels

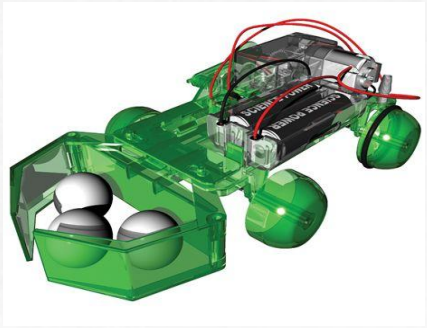
Omni Wheels

Intake Wheels

Plaction Wheels

Pneumatic Wheels

Movement



Scooper Robot

Shooting Robot

Photography Robot

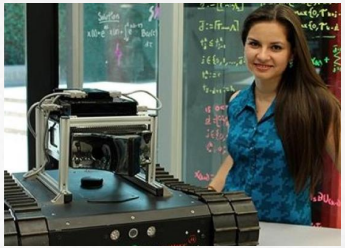
← Claw robot

Attachments

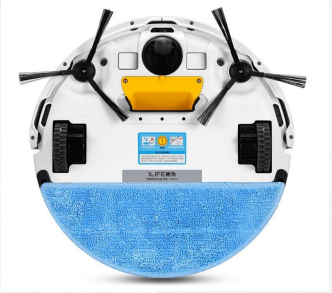
Hearing

Sight

Touch



Smell



Taste

Sensors

NXT Mindstorm Programming

Tasks

Beginner

- ❏ Go in a circle
- ❏ Go in a square
- ❏ Make a Figure 8

Intermediate

- ❏ Use an ultrasonic sensor to make your robot respond to distance
- ❏ Use a touch sensor to make your robot respond to touch

Hard

- ❏ Go through first Obstacle Course
- ❏ Go through second Obstacle Course