Robot Parade
About UCPL

- Diverse inner-ring suburb of STL
- 35,000 card holders
- Single building – 40,000 sq. feet (full of treasures)
- 36,000 Monthly circulation
- 25 FTE staff
- Member of the Municipal Library Consortium of St. Louis County
The word Robot is first used in Karel Čapek's play R.U.R. (Rossum's Universal Robots).

Karen, a young sci-fi aficionado, attempts to disguise herself as a robot.
Robots in pop culture

DON'T PANIC
Robots in pop culture
The Inevitable Uprising
keyoung83 Nobody warned me that the robopocalypse was going to be tiny and cute. Meet your adorable new overlords. #ozobot

4w

ozobot 🤖 Haha!! Can't judge Bit by his size!
STEM is the word
Our local school district is INTO robots
Partnership with schools

• We are building skills to feed the school teams
• After school programs
• Outreach
• Partnership/support for teens involved in FIRST robotics programs
Why robots?

- Critical Thinking
- Problem Solving
- Creativity
- Logic
- Coding
- Data collection and analysis
MOREnet will train you!
Pros and Cons of Purchasing the Educator Pack

- Charging solutions
- Carrying case
- Lesson plans/activities
- Training (LEGO)

Cost $$$
PROGRAM IDEAS

Robot Dance Party

Navigate an obstacle course

Host a FIRST LEGO League

Teen volunteer opportunity

Great for community events/outreach!

Artbots (paint with Spheros!)

Sphero Olympics

Storytelling with Ozobots

Star Wars programs (Ozobot looks like a mini R2D2)
Who?

School age kids (grades K – 5).

What?

Drop-in program with 3-4 stations that kids can rotate through. Stations may be Ozobots, Spheros, LEGO Mindstorms, Snap Circuits, and/or Makey Makeys. Program ends with teen volunteers demonstrating the BIG one (a FIRST Robotics League robot).

Where?

Our children’s programming room. Of note: this is an enclosed, carpeted room.

When?

One Saturday a month. Program lasts 60-90 minutes.
The BIG one.
DIFFICULTY LEVEL
(your mileage may vary)

EASY
- Ozobot
- Snap Circuits
- Sphero

LESS EASY
- LEGO Mindstorms
Coding with LEGO Mindstorms EV3

Coding with Ozobot Blockly

Coding with the Sphero App
You might have noticed that the coding interface for Ozobot and Sphero looks a lot like

![Scratch interface with code blocks]

1. When I receive message:
   - forever
   - if key up arrow pressed? then change y by 10
   - if key down arrow pressed? then change y by -10
   - if key left arrow pressed? then change x by -10
   - if key right arrow pressed? then change x by 10
   - if key z pressed? then change y by 0
   - stop this script

2. When clicked:
   - set code to 3
   - set x to 100
   - set y to 100
You try it!

Spheros

Ozobots

Snap Circuits
QUESTIONS?
• Christa Van Herreweghe – Assistant Director christa@ucitylibrary.org
• Karen Young – Head of Youth Services kyoung@ucitylibrary.org
University City Public Library
6701 Delmar Blvd., 314-727-3150