STEAM with Robotic Learning
The biggest risk is not taking any risk... In a world that is changing really quickly, the only strategy that is guaranteed to fail is not taking risks.

MARK ZUCKERBERG
Allows Students to See the Components Inside

- Motors
- Circuits
- Lights

Transparent
Connect the Sphero

- Turn on Bluetooth
- Wake up Sphero
- Connect to iPad
SPRK Lightning LAB

Block-Based Programming
Navigating Through Mazes and Obstacle Courses

Use your imagination
Brainstorm ideas

Plan
Draw a diagram
Gather materials

Create
Build maze or obstacle course

Learn by Trial And Error
Discuss improvements
Make changes

Reflect on Results

Collaboration and Teamwork!
Navigate a Maze
Coding over Ramps
No limitations
Let the Chariot Race Begin!

Go Sphero!
Ready...Set...Go!
Ready…Set…Go!
Sphero Soccer

Goal!

Goal!
Inspire Future Innovators

1st Grade
Robotic Learning - **Why?**
Sphero Balls with Coding

- Powered by Lightning Lab App
- Hands-on activities allowing students to learn programming
- Learn coding
- Navigate a student built maze
- Jump ramps
- Race Chariots
- Collaborative problem solving

- 1 to 1 Mobile Learning Environment
- Bluetooth connectivity
- Learning is evolving
- Computational thinking
- Analyzing your environment
- Learning algorithms
- Trial and error
- Makes a generation of analyzers
Learn to Code!

Curiosity
Invention
Creativity
Imagination

Challenge Yourself!