YELLOW GIRAFFES ROBOTICS TEAM
Addy, Braxton, Evan, Rohit and Coach Julia
Ages 3-4 from the Renton Highlands
A TEAM OF THEIR OWN

• This robotics team was founded because the kids asked for it (over and over and over).
• They were jealous of their older brother and sisters who get to go to robotics meetings every week.
• They really wanted a robotics team of their own so that they could have fun just like the big kids.
WHAT DO WE DO?

Programming:
- Sequencing
- Loops
- Events

Technical:
- Sensors
- Circuits
- Electricity

My World:
- How do the lights in my house work?
- Why did the lights turn on automatically when I walked into that room?

Core Values:
- Teamwork
- Discovery
- Fun
DEMOS!
• LEGO Education Coding Express Curriculum
• Learning objectives:
  ➢ What is a sensor?
  ➢ How can we use the sensor to control the train’s actions?
  ➢ Where do we see sensors in our daily lives?
MAGIC WANDS

- Circuit Playground Express programmed with Microsoft’s MakeCode.
- Learning objectives:
  - We can write code to tell the Magic Wand how to behave
THANKS!
The Douglas Fir Story

- Part of the Conifer Study.
- Before exploring the Douglas Fir cone the children are invited to listen to a story about the cone and its hidden treasures.
- There are many variations of this story, as well as stories about other Evergreen Conifer Trees.
Exploring the Cone

- Children use various tools to take apart the cones.
- Pencil and paper provided for documentation of findings.
- Challenged to find the hidden treasures from the story.
The Moose Print

Cone Diagram

The Mouse tails

Expanding the Activity

• Child lead story telling or retelling.
• Math activities
  • Graphing
  • Counting
  • Quantifying
• Literacy Activities
  • Narrative stories
  • Retelling and illustrating the story
Learning Objectives

• Fine motor skills
  • Pinch Grip
• Using tools
  • Tweezers
  • Magnifying Glasses
• Literacy Skills
  • Retelling Stories
  • Interacting in story experiences

• Science Skills
  • Knowledge of Earth's Environment
  • Understanding tree life cycle
• Math Skills
  • Counting
  • Quantifying