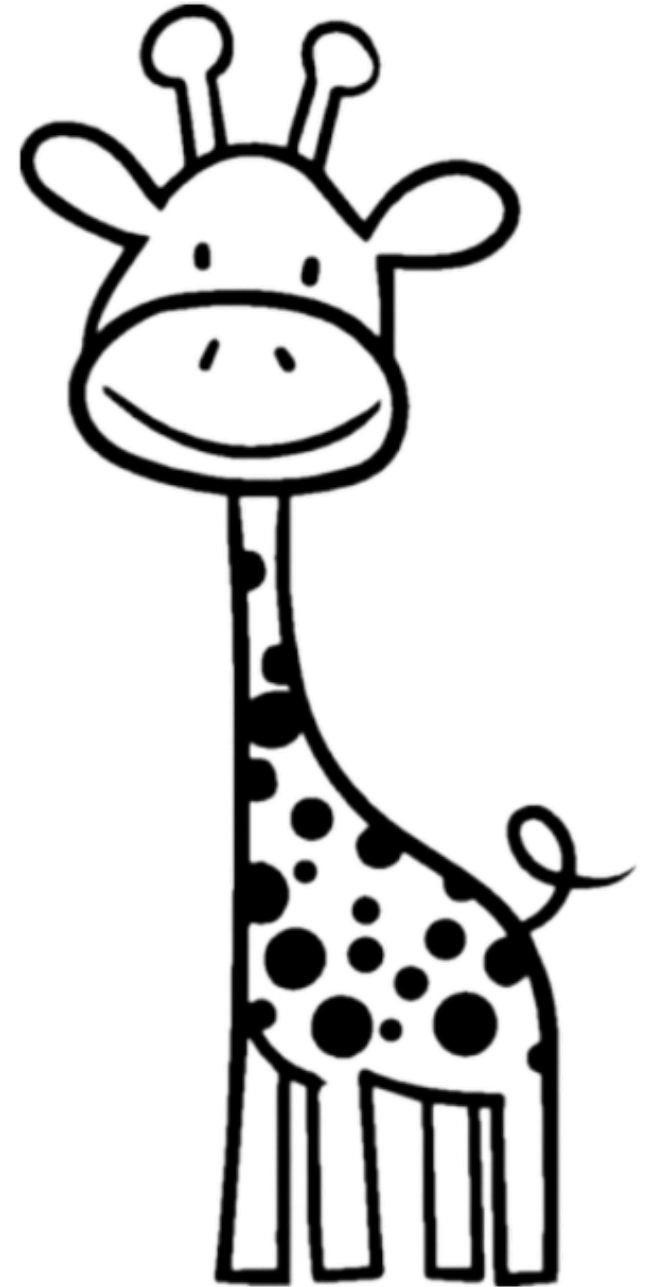


**YELLOW
GIRAFFES
ROBOTICS
TEAM**





**Addy, Braxton, Evan, Rohit and Coach Julia
Ages 3-4 from the Renton Highlands**

A TEAM OF THEIR OWN

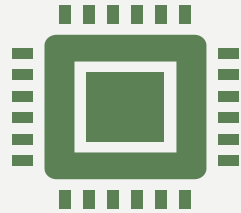
- This robotics team was founded because the kids asked for it (over and over and over).
- They were jealous of their older brother and sisters who get to go to robotics meetings every week.
- They really wanted a robotics team of their own so that they could have fun just like the big kids.

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!



TRAINS

- 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

```
on shake ▼  
  set all pixels to ●  
  
on loud sound  
  set all pixels to ●
```

THANKS!

Douglas Fir Cone Exploration

Saplings and Cedars Outdoor Preschool
Squaxin Island Child Development Center

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

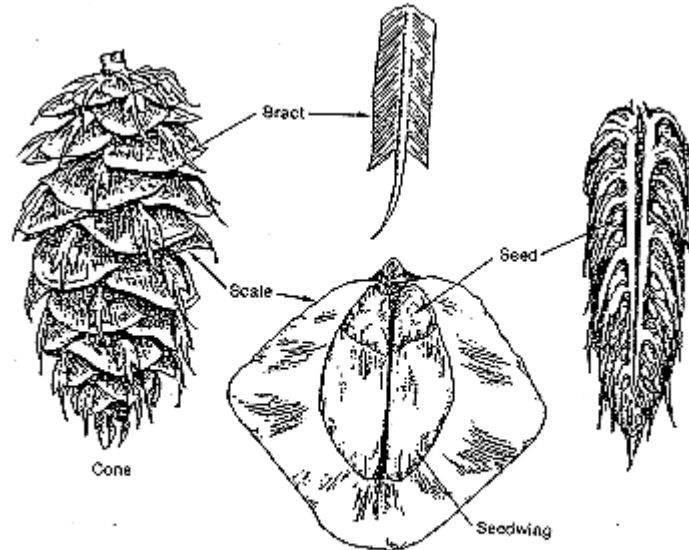


FIGURE 4 Diagram of basic parts of Douglas-fir cone. After Hedlin, 1974.



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 Earths Environment
 - Understanding tree life cycle
- Math Skills
 - Counting
 - Quantifying