**Lesson Title:**  **Apples from the Tree**

**Grade: K-1**

**Objectives: To harvest apples to observe and taste**

**Standards:**

* K.1.1. Use all senses as appropriate to observe, sort and describe objects according to their composition and physical properties, such as size, color and shape. Explain these choices to others and generate questions about the objects.
* K.1.2 Identify and explain possible uses for an object based on its properties and compare these uses with other students’ ideas.
* K.3.1 Observe and draw physical features of common plants and animals.
* K.2.3 Describe in words and pictures the changes in weather from month to month and season to season.
* K.3.3 Describe and compare living plants in terms of growth, parts, shape, size, color and texture.
* K.M.1: Make direct comparisons of the length, capacity, weight, and temperature of objects, and recognize which object is shorter, longer, taller, lighter, heavier, warmer, cooler, or holds more.
* 1.3.1 Classify living organisms according to variations in specific physical features (e.g., body coverings, appendages) and describe how those features may provide an advantage for survival in different environments.
* 1.3.2 Observe organisms closely over a period of time in different habitats such as terrariums, aquariums, lawns and trees. Draw and write about observations.
* 1.3.3 Observe and explain that plants and animals have basic needs for growth and survival: plants need to take in water and need light, and animals need to take in water and food and have a way to dispose of waste.
* 1.3.4 Describe how animals’ habitats, including plants, meet their needs for food, water, shelter and an environment in which they can live.
* 1.3.5 Observe and describe ways in which animals and plants depend on one another for survival.
* 1.M.1: Use direct comparison or a nonstandard unit to compare and order objects according to length, area, capacity, weight, and temperature

**Materials/preparation:**

* Knife, paper towels
* Magnifying lens
* Packet for notes, clipboards, pencils
* String for branch length and piece of string that was cut to branch length in the spring
* scissors
* camera, ruler

**Sequence of activities/procedures:**

* During visit at OEC:
  + Measure length of a selected branch (measured and marked in spring lesson)
    - Together with students, cut a piece of string the length of the selected branch.
    - Compare length of string with the one from earlier seasons and determine how much the branch grew since last visit.
    - Display strings on apple tree bulletin board in classroom.
  + Observe and harvest apples
    - Take picture of an apple with ruler to display with earlier pictures
    - Cut apple in half!
    - In packet, students will draw the inside of the apple and label the parts.
    - If there are enough apples to harvest, cut for a taste sample.
  + Take picture of tree to display with earlier pictures

**Closure:**

Discuss all additional pictures posted on apple tree bulletin board in classroom.