**Lesson Title:** Measuring Growth

**Grade:** 2nd Grade

**Objectives:**

* Students will measure (or see parts being measured for wood growth, girth, and height).
* Students will count number of blossoms on marked section of branch for blossoms, leaves, and blossoms to apples.

**Standards:**

2.M.1 Describe the relationships among inch, foot, and yard. Describe the relationship between centimeter and meter.

2.M.2 and measure the length of an object by selecting and using appropriate tools, such as rulers, yardsticks, meter sticks, and measuring tapes to the nearest inch, foot, yard, centimeter and meter.

2.M.3 Understand that the length of an object does not change regardless of the units used. Measure the length of an object twice using length units of different lengths for the two measurements. Describe how the two measurements relate to the size of the unit chosen.

**Materials/preparation:**

* Measuring
* String
* Permanent markers
* Clipboards

**Sequence of activities/procedures:**

Measuring growth

Height of tree

Measure around circumference with string

Watch and count blossoms on certain limbs

Watch and count blossoms on certain links

Blossoms that turn to apples

**Assessment/Closure:**

**Considerations:**

April to the end of May is opt. work time.

Apple Orchard helpers may do some experiments/planting activities