**Lesson Title:**

**Grade:\_4th\_**

**Objectives:**

Students will identify natural insect predators to the apple trees.

**Standards:**

4.3.4 Describe a way that a given plant or animal might adapt to a change arising from a human or non-human impact on its environment.

**Materials/preparation:**

-Fly strips

-Sticky Balls

-Duct tape

-Rubber cement

-Peanut Butter

-Honey

-Styrofoam Balls (6)

**Sequence of activities/procedures:**

Lesson 1: Inquiry unit

Investigate insects on the tree. Investigate the stickiness of various substances that can be used to collect insects from the tree.

What differences in bugs do we see with the various sticky surfaces?

Lesson 2: Creation of design

Students will construct and prepare materials used in the investigation.

Lesson 3: Design a Calendar

Students will develop a schedule of when observations will be made.

Lesson 4: Collect data and analyze results.

Students will collect the insect collections and report the findings on a chart. Students will then compare to see if there are any differences in numbers of bugs collected and compare the types of bugs collected on the different sticky surfaces.

**Assessment/Closure:**

Students will present the conclusions based on their group’s data.

**Considerations:**