Lesson Title: Measure of presence of starch

Grade: 5th

Objectives: Understand physical and chemical change

Standards: Science

5.1.2 Nature of Science

Materials/preparation: iodine, apples, droppers. Arrange apples and ask students how we determine sweetness. Students will have a taste test and then actually test the apples with iodine.

Sequence of activities/procedures:

1. Explain, that an apple that is good has sugar in it. Why don’t you eat unripe apples?
2. Experiment with different varieties of apples and different degrees of ripeness.

Assessment/Closure: Students will be able to measure in a quantitative manner of the amount of starch in different types of apples. The apple that has the darkest blue has the most starch.

Considerations: An indicator of whether it is an acid or base.