An Apple a Day

CPALMS: http://www.cpalms.org/Public/PreviewResourceUpload/Preview/32397

Benchmark(s): SC.4.N.1.1: Raise questions about the natural world, use appropriate reference materials that support understanding to obtain information (identifying the source), conduct both individual and team investigations through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.

Testable Question: What changes does an apple go through as it decays?

Hypothesis:

If_____,then_____

_____.

Materials: (Per group)

- 1 to 2 apples
- Ziploc bag, gallon
- Colored pencils

Procedures: (See teacher notes)

1. Teacher will present an apple to the class, asking them to draw a picture of what they observe.
2. Student groups receive an apple and place their apple in a gallon-size Ziploc bag, with most of the air removed *(The Ziploc bag should not be opened for any reason during the observation days).*
3. Students will discuss within their small groups the best place to store the apple, in the classroom.
4. Each group will present their location of the apple to the class with at least one reason for their location choice.
5. Over a five day period, student groups will observe and record the changes to their apple. Be sure to include the date and time of each observation.

Data:

Day 1 - Teacher presentation of the apple **Date _____ Time _____**	**Day 2** **Date _____ Time _____**	**Day 3** **Date _____ Time _____**
Day 4 **Date _____ Time _____**	**Day 5** **Date _____ Time _____**	**Final Observation day** **Date _____ Time _____**

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Analyzing Data:

Compare and contrast your observations from day one to day three? *(Use your senses to describe your observations).*

How has your observation of the apple changed from day one to the final day?

Are there questions you might have that an expert scientist might also have about what is happening to the apple?

Summary:

After analyzing the data it was determined that the hypothesis was _____

(Supported *OR* Not Supported) by the data because _____

_____

_____

To conclude from this lab, I learned that _____

_____

_____

_____

A question I still have is _____

_____