


Decomposition of a Banana

Grades: 5-6

Duration: 30 minutes (over 6 days total)

Environment: Computer lab and tables with bananas

Overview 	<p>This is a lab for students to experience over two weeks. On each Monday, Wednesday, and Friday over the time duration the students will take a few moments to record their observations by writing in their journal then posting it online for everyone in the class to see and comment on. Divide the class into groups of 3 or 4 with their own banana to observe.</p> <p>Use the calendar and writeboard on BackpackIt.com, so students can record what their observations are and share them with the other students in class. The calendar will describe when the start and end session is.</p>
Objective	<p>Following this lesson, students will be able to:</p> <ul style="list-style-type: none">• The group members can check each other's progress and also see how other members of the class are doing• Use the Backpack application and share comments, observations, and ideas with their classmates.
Standards¹	<p>Varied depending on topics that are chosen by students.</p> <p>Go to the link below to check standards.</p> <hr/>
Materials	<p>Students will need:</p> <ul style="list-style-type: none">• Writing Utensil• Notebook• Banana (provided by teacher)• Computer with Internet Access <p>Instructor will need:</p> <ul style="list-style-type: none">• Lesson Plan• Bananas (for students)• Lecture and examples on decomposition before starting the lab

¹ With specific topics standards retrieved from <http://www.indianastandards.org/index.asp>

	<ul style="list-style-type: none"> • Knowledge of BackPack application
<p>Procedure</p>	<ol style="list-style-type: none"> 1. Begin class by taking attendance 2. Pass out lab requirements 3. For Notebook observations <ol style="list-style-type: none"> a. Explain how to record data b. Answer Questions (if any) 4. Explain BackPack and how the students will be using it through the calendar and writeboard. 5. Place students in groups 6. Begin lab, recording observations on required days. This lab ends up being a total of about 30 minutes if done 5 minutes on the required 6 days of making records.
<p>Evaluation</p>	<p>The students are graded on their group work (ability to effectively work with their group members), notebook observations (how detailed and well written they are), and how much they use the BackPack application with collaboration.</p>