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| |  | | --- | | To boldly observe what no one has observed before! | | Can you:  Predict?  Observe?  Record?  Evaluate?  Hypothesize?  Not hold your nose or vomit? | |  |  |  |  |  | |  | | --- | | Observing The Decomposition of Fruit and Vegetables | | A guide to the scientific experiment…  http://4.bp.blogspot.com/-g2-UEeVeEvo/TyUKvfWnDVI/AAAAAAAAAZI/dHjFQfHjmMI/s1600/rotten_tomato7645.jpg | | Placeholder Logo | |  | |

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| |  | | --- | | http://i.telegraph.co.uk/multimedia/archive/01963/sally-williams_1963884b.jpg | | Your Mission If you think you know what happens to fruit and vegetables when they go moldy, then you don’t know nothing!  Over the next fortnight you will be undertaking a collaborative project, predicting, observing, recording, evaluating, hypothesising, and hopefully not vomiting! What do we need?  * A piece of fruit * A knife * A plastic container * A pair of rubber gloves * A digital thermometer * A set of digital scales * A digital camera * Access to Google Sheets * A keen eye and a nose that can handle bad smells! (“Safety”) | |  |  | |  | | --- | | What do we do? You will be forming collaborative groups of threes. Each group member will rotate daily through these roles. Google Sheet contributions must be made in the colour with which you are identified below.  **Digital Documenter:**   1. Takes photo(s) 2. Inserts the photo(s) into the Google Sheet 3. Writes down observations that are relevant, descriptive and scientific, as per the requirements outlined in the Google Sheet.   **Handler:**   1. Is the ONLY person who handles the specimen (wearing rubber gloves) 2. Measures the specimen’s temperatures and weight and orally tells the Analyser 3. Puts the gloves under the container 4. Draws a labeled diagrams, including cross­sectional representations, to communicate ideas 5. Returns the container and gloves outside to a secure place.   **Analyser:**   1. Enters the Handler’s data into the Google Sheet 2. Computes the mathematical calculations accurately (e.g. Yesterday’s weight – Today’s weight = Weight Loss over night) and inputs them appropriately into the Google Sheet 3. Generates a graph to represent and describe observations, patterns, trends or relationships in data 4. Identifies patterns in data and develop explanations that fit these patterns.   ALL group members are responsible for ensuring that the work is done efficiently and effectively and taking into account the scientific behaviours outlined in the given rubric. Observations are conducted for a maximum of 10 minutes. Recording of results should take less than 30 minutes. | |  | |  | |  |  | |  | | --- | | You might want to visit the blog to check out the collaborative Google Sheet that all students can access and edit at the same time! Our Source of Inspiration! Check out the Calgary Science School blog to see what happened when they did this experiment: <https://sites.google.com/site/farbeyondzebra/science-lab> and <http://calgaryscienceschool.blogspot.com.au/2011/12/students-into-scientists.html> Now go be scientists! “The most exciting phrase to hear in science, (is) the one that heralds new discoveries, is not 'Eureka!' but 'That's funny...'  Isaac Asimov | |  | | Contact Us  School Name Address Suburb, Postcode  Phone Number Email  Visit our blog on the web: Blog address | |