

Pineview Elementary School; Tallahassee, FL

Mr Seganish's ESE Grades 3-5 Classroom



Purpose: The purpose of my experiment is to determine which drinks damage our teeth (soda, grape juice, orange juice, vinegar, or milk). We used boiled eggs to represent our teeth due to the similar amounts of calcium.

Hypothesis: 2 students hypothesized vinegar, 1 grape juice, 1 soda, and 2 milk would cause the most change or damage to our teeth.

Materials:

1. Boiled eggs
2. soda, grape juice, orange juice, vinegar, milk
3. Cups to soak the eggs in the liquid
4. Tooth brush
5. Tooth paste

Procedures:

1. We placed each egg in a cup with one of the liquids.
2. Let the eggs soak for 48 hours
3. Take the eggs out and observe changes to shells.
4. Brush the eggs with toothbrush and toothpaste.
5. Observe changes after brushing with toothpaste.

Data:



Results: After my experiment we observed that the shell on the egg soaked in vinegar completely

dissolved. The eggs soaked in soda and grape juice were deeply stained. There was little change to the eggs soaked in milk and orange juice. After brushing the eggs with toothpaste and a toothbrush, the eggs were much cleaner, but there was still stain on the eggs soaked in soda and grape juice.

Conclusion: The results show that the vinegar changed the eggs the most. Acidic foods can damage our tooth enamel. The soda and grape juice left deep stains. While the toothbrush and toothpaste removed some stains, the eggs did not get completely clean. The soda stains were especially hard to remove. The 2 students who hypothesized that vinegar would cause the most change were correct. The students who hypothesized that soda and juice would cause the most change were also correct. This information matched our prior research on how to care for teeth and which drinks should be consumed in moderation.

Acknowledgements: I would like to thank my...

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Miss Brower's Classroom



Purpose: The purpose of my experiment is to show what happens when paper towels are used with water.

Hypothesis: I think that it will make lots of colors (red, orange, yellow, green, blue and purple) because the colors will mix using paper towels.

Materials:

1. Clear plastic cups
2. water
3. Food coloring (red, yellow, blue)
4. Paper towels
- 5.
- 6.

Procedures:

1. Arrange the cups next to each other.
2. Fill every other cup with water.
3. Put food coloring in the cups with water in order – red, yellow, blue, red
4. Fold paper towels and place them so that they are in two cups next to each other
5. Wait 24 hours to see the result.

Data:

Results: After my experiment I observed that the colored cups made a rainbow.

Conclusion: My results show that I was right, Therefore my hypothesis was correct Next time I will do the experiment the exact same way.

Acknowledgements: I would like to thank my class for making predictions about the experiment.