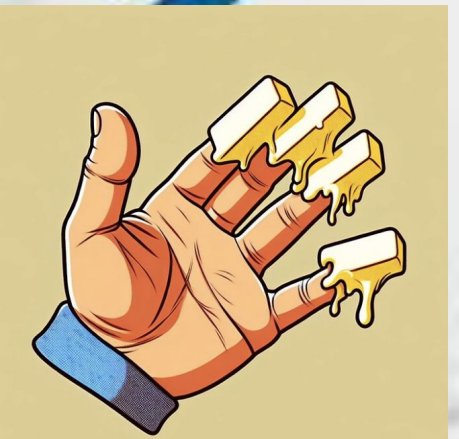
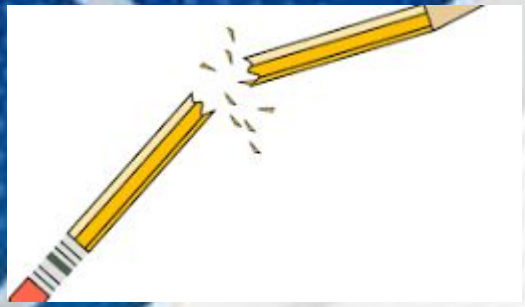
Butterfingers



What products can help you catch a football if you have Butterfingers?

Introduction

The reason for this project to show which items works best for catching a football, and for people who have Butterfingers. This project is perfect for the ones that have trouble catching a football. The project wanted to test which product works best for catching a football and share their information. Butterfingers is not scientifically proven, it’s just a funny nickname given in football. Butterfingers is something that can be fixed. For example, your technique, how you catch the ball, your work ethic and lots of practice. Their reason for this science fair project is to help others gain confidence catching a football. They also did some research about viscosity. Viscosity is a fluid internal to flow and deformation of a liquid.



Problem and Predictions

The questions for this project is:

What products can help you catch a football if you have Butterfingers?

To find better ways to grip the football, and to improve catching with different types of products. The prediction is, the maple syrup and glue are going to grip better than the soda and apple juice. The reasoning is because the syrup and glue are stickier than the soda and apple juice.

Investigative Methods

Mean 〓 Average

Independent	Dependent	Controlled
• Maple syrup • Apple juice • Glue • Soda • We both threw the ball for the test.	• We had are guardian throw the ball for the test. • Not full forced just a mean throw	• The same type of football • The number of throws • The distance of the football being thrown

In total you will need 5 items for this project:

- A football
- Apple Juice
- Glue
- Maple Syrup
- Soda

Procedure

Step 1: Gather your materials

Step 2: Start to apply the product on your hands, then let the product dry for 1 minute

Step 3: Have the ball thrown to you three times, for each product, standing five feet from each other

Step 4: Record your results

Step 5: Review your data

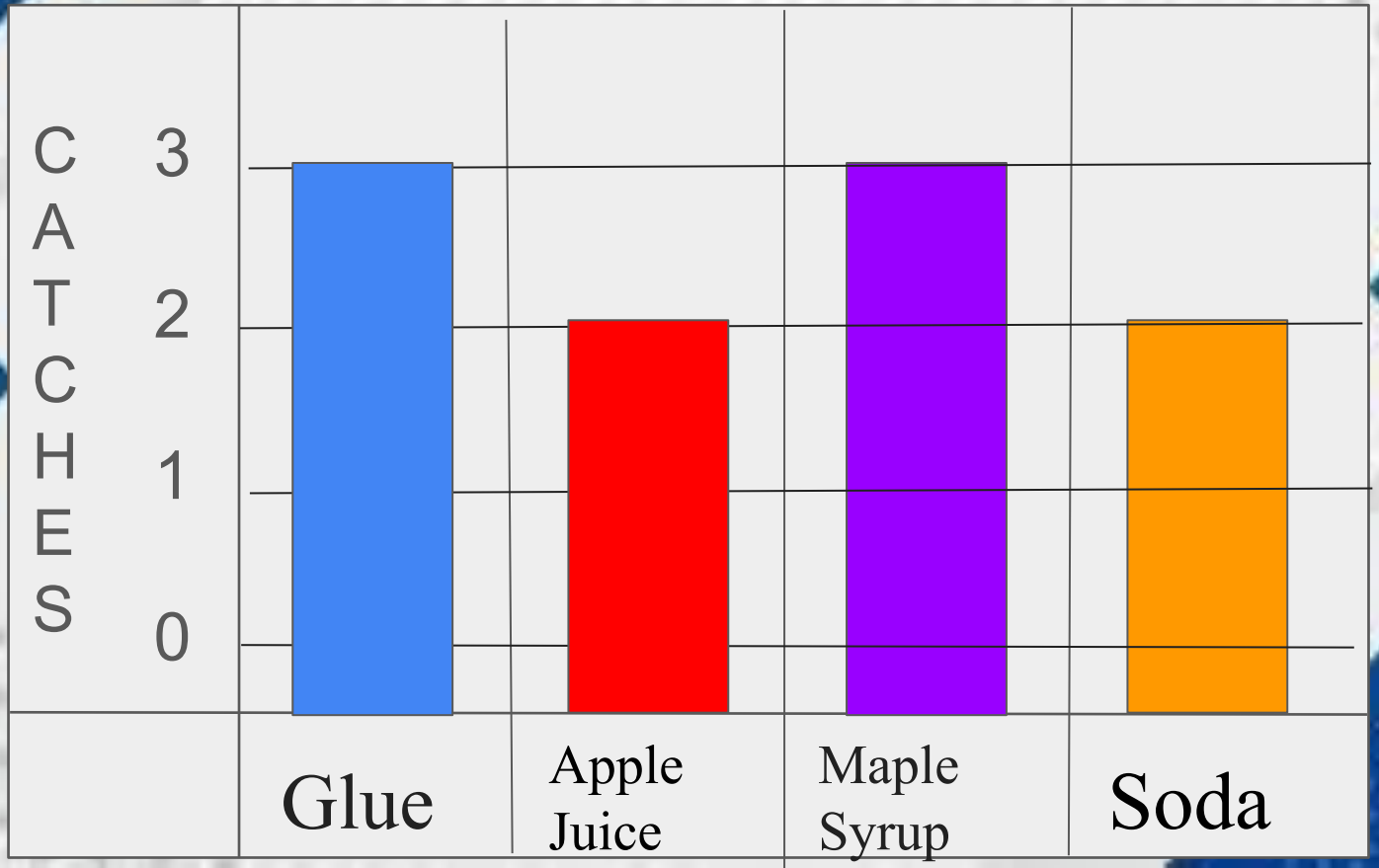
Results

Dropped

Caught

Products	Test 1	Test 2	Test 3	Total Catches
Apple Juice	✗	✓	✓	2
Glue	✓	✓	✓	3
Maple Syrup	✓	✓	✓	3
Soda	✓	✓	✗	2

Results



Discussion and Interpretation

In conclusion, their hypothesis was supported. The maple syrup and the glue worked best for them, compared to the apple juice and soda. They found that the consistency of maple syrup and glue made a great difference in their grip. The maple syrup and the glue allowed them to not make any major changes to their technique of catching. They predicted that the soda and apple juice weren't going to give the best results and turned out to have performed worse than predicted.

Implications and ideas for future research

Their project can help later on in the future for others who are wondering how to prevent Butterfingers.They also think that scientist can benefit off of their project to make a new invention or a new types of gloves. They think that the NFL, and some of the players could use their project to benefit and improve their catch rate.

References

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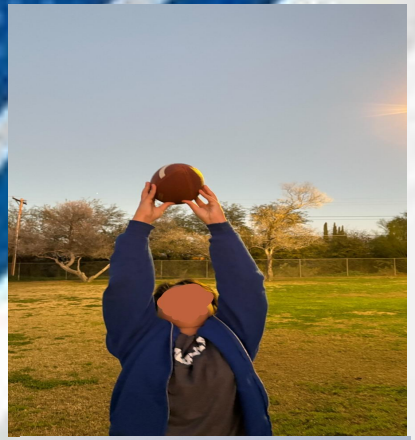
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