

Name(s): Victoria

### Science Fair Logbooks

<p>Basic Project Info</p>	<p><u>What is your Project?</u> whether someones preferred color will influence how much they eat.</p>
<p>Ethics Due Care</p>	<p><u>Are you doing an experiment?</u> If yes... -Are people involved? <input checked="" type="checkbox"/> -Are animals involved? <input checked="" type="checkbox"/> -How is the experiment designed? I will ask people to fill out a form and tell me how much they like selected colors they will rank them and then I will give half the people smaties with their favorite color and the other half the color they like least.</p>
<p>I will measure how much they eat</p> <p>Hypothesis</p>	<p><u>What do you think will be the result of your experiment or research?</u> I hypothesize that the people getting their favorite color will eat more even though the content of the smaties is the same in both groups.</p>

Observations

Experiment- what did you observe during the experiment?

Research- what did you notice as you collected information?

That people liked pink a lot and chose it as their favorite color and that people that got their least favorite color ate a similar amount compared to those that got their favorite color. I also observed that kids and adults like chocolate the same.

Conclusion

<p>Analysis</p>	<p>I put the numbers, ranking, etc, into a program called Excel and calculated the test average, etc.</p>
<p>Conclusion</p>	<p>Unlike what I hypothesized that color would matter and people would eat more if they got their favorite color than results proved opposite, people that got their a dissimilar amount.</p> <ul style="list-style-type: none"> <li>• This was especially the case for kids.</li> <li>• For adults, it looks like color matters a bit more but still the difference between how much smarties adults who got their favorite color ate compared to adults who got their least favorite color was not significant.</li> </ul>

<p>Application</p>	<p>I learned that the best compromise color is blue and that parents should let kids have chocolate more freely at home so they do not overeat when parents are absent. Also, companies could save money by making just color blue? )</p>
<p>Sources of Error</p>	<ul style="list-style-type: none"> <li>• When running the experiment, some people left without trying to count their Smarties next to the bag of smarties given so people are less likely to leave.</li> <li>• I also had fewer boys than girls in the experiment that number should have been equal I asked more boys but they didn't want to participate as much.</li> </ul>
<p>Citations (Sources)</p>	<ul style="list-style-type: none"> <li>• Hunter lab Effect color has on food perception, flavour, and quality (2022)</li> <li>• Spence. on the relationships between color, taste, and flavour Experimental Psychology (2019)</li> </ul>
<p>Acknowledgement</p>	<p>*Online- Grade 5/6 -check all the boxes*</p>
<p>Presentation</p>	<p>*Online- Grade 5/6- video upload of presentation*</p>