



CALIFORNIA SCIENCE & ENGINEERING FAIR 2019 PROJECT SUMMARY

Name(s) Emily Ritter	Project Number J0419
Project Title Give and Take	
<p style="text-align: center;">Abstract</p> <p>Objectives How do people behave differently when they are being watched or not? The purpose of this project is to see whether people's behaviors change when they're being watched or not.</p> <p>Methods Materials-Bowl,objects for bowl, place with lots of people, instructions for give and take Procedures Find a busy place, Set up bowl, Make observations from peering out a window/from afar, repeat steps 1-3 standing by bowl and say the instructions</p> <p>Results Results- When I was watching from afar 58% just took an item from the bowl and 30% actually did the give-and-take and only 12% gave an item to the bowl. When I was watching from afar in the beginning I was not recording the results so I could not make as much as a detailed graph as I could when I was close to my project explaining the instructions. When I tested the project at school during lunch people were putting trash and taking what they wanted. Also when I tested the project on a different grade at lunch some people knew about the project and told others so it changed my data. When I stood by my project 2.3% of people just gave, 0% of people just took, 36.4% of people made a fair trade, 36.4% of people made an unfair trade and 25% of people gave something of a greater value during the project kids were thinking they would get their items back instead of actually giving it to trade something. I tested my project in three different places such as the Museum of Discovery in the Capitola Mall at Good Shepherd Catholic School and at Elaine s Dance Studio. When I tested at Good Shepherd more people did the project then then at the Museum of Discovery and Elaine's Dance Studio. Some trades were unfair for example somebody gave a bottle cap and took a dollar bill.</p> <p>Conclusions Conclusion Yes! My hypothesis was correct people behave differently when there being watched. My project is important because people want to know if others do the right thing when they re not being watched. My project is also important because if people don t act the same when others aren t around there will be a big problem with theft, dishonesty and no generosity towards others. If I had unlimited time and resources I would of had a better hiding spot to watch from afar, also I would record all the trades.</p>	
Summary Statement My project is all about finding out peoples different reactions when they feel like their being watched opposed to feeling like their not being watched.	
Help Received The people who helped me on my project is my parents Anna and Barney Ritter,my science teacher Blair Gonzalez, and my sisters Julie And Hailey Ritter	