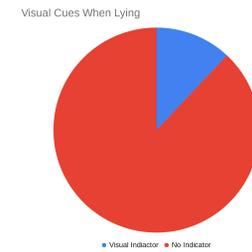
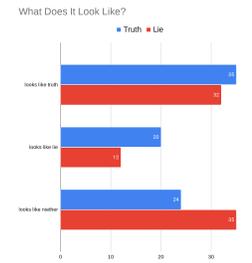


The EYES Have It

Natalie Kiefer , St. Thomas, Elkhart

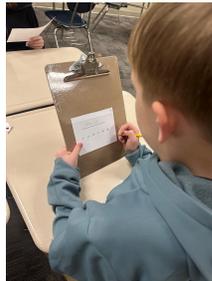
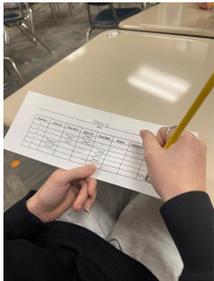
How does lying affect the eyes?

- I hypothesized that if a person tells a lie, then their eyes will look up and to the left, or dilate.
- I chose this project because I wanted to do something with human interviewees instead of a laboratory experiment, and neurolinguistics sounded extremely interesting!

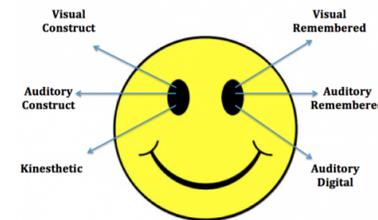


This bar graph compares what I observed based on my hypothesis, versus whether the subjects actually told a lie or a truth.

The pie chart represents the number of reactions that supported or contradicted my hypothesis.



- I prepared six questions to ask my test subjects, and would observe their eyes as they answered them.
- Subjects were given a quarter sheet with numbers 1-6 and told to circle three numbers. Then they were instructed to lie on those three questions.
- I recorded my observations on a spreadsheet for each subject.



- Only 12% of interviewees showed eye indication supporting my hypothesis. This leads me to the conclusion that eye movements do not indicate lying.
- This project is important because it provides clarity for people attempting to detect subterfuge; anyone in law enforcement or prosecution should not rely on eye movements to indicate deception.

