



**CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY**

| | |
|---|------------------------------------|
| Name(s) Carolyne J. Ikeda | Project Number 34438 |
| Project Title The Great Reading Mystery: Was It the Book or Was It the Tablet? | |
| <p style="text-align: center;">Abstract</p> <p>Objectives/Goals The purpose of the experiment was to determine if there was a difference in reading comprehension from a book to a tablet. I hypothesized that the subjects would have better reading comprehension after reading from a book.</p> <p>Methods/Materials Informed Consent forms were collected from 17 subjects. Each read a reading selection from a book and from a Kindle. A multiple choice test for each selection was given. After the experiment, subjects were asked for their device preference; book or Kindle. The materials include, The Giver, Lois Lowery, multiple choice tests on Chapter 1 and 6 with 4 questions each, a Kindle Paperwhite, Bic Round Stic blue and red pens, an Apple Desktop Computer, a HP Photosmart 7525 Printer, Xerox Premium Purpose Paper, a Tanita Yellow Timer, a Daiso Japan D-97 notebook, and 17 subjects.</p> <p>Results The average test scores from the book were 1.67% higher than the test scores from the tablet. The majority of the subjects (71%) preferred to read from a book.</p> <p>Conclusions/Discussion The conclusion supports the hypothesis; subjects have better reading comprehension after reading from books. Although the difference between the two test scores was small the subjects scored on average higher after reading from a book.</p> | |
| Summary Statement The experiment was designed to determine if comprehension is different if a subject reads from a book or a tablet. | |
| Help Received Mother helped type report; Father gave advice; english teacher helped edit; under supervision of science teacher; little sister helped organize subjects | |