



**CALIFORNIA STATE SCIENCE FAIR
2012 PROJECT SUMMARY**

Name(s) Nicholas B. Pickett	Project Number J2016
Project Title To "E" or Not to "E"	
Abstract Objectives/Goals The goal of this project is to determine which type of reading platform is better: Back-lit (LCD) eReader, Non- Back- lit (eInk)eReader, and a book. Methods/Materials There are 2 parts to this experiment: Part One, Health and Part Two, Comprehension. For part one, subjects come to test site late at night and have their eyes tested for redness and soreness. Then subjects will alternate reading an Ipad (LCD), a Kobo (eInk), and a book for one hour per reader and then be checked for redness and soreness again. For part two, subjects read material from one of the three readers and then took a test on it. All that was needed was a camera, an Ipad, a Kobo, and a book. Results For part one, the Kobo did worst by .33 on a scale of 1 to 10, then the Ipad and Book tied. For part two, the Ipad did by far worst with the subjects averaging a test score of 4 and the Kobo being second with an average and book being best for comprehension. Conclusions/Discussion In order to determine which of the readers was best, it had to succeed in both parts of the experiment. For part one, the Kobo lost the race by being the worst for your eyes and the Ipad and book tied. For part two, the Ipad also lost the race with the Kobo being a pathetic second and the book by far beating everything else. In conclusion, the book is the best type of reading platform made today.	
Summary Statement My project is on how eReaders in comparison to books effect the health of your eye and your comprehension.	
Help Received Parents helped edit report; had 18 subjects be in experimentation.	