



**CALIFORNIA STATE SCIENCE FAIR
2006 PROJECT SUMMARY**

Name(s) Kaylee M. Hanks	Project Number J1216
Project Title Determining the Effects of Image Compression on DPI and Image Quality of Digital Photographs	
Abstract Objectives/Goals The purpose of my project was to find out which file format (TIFF, GIF, JPEG) had the best image quality. Methods/Materials First, I took four different photographs with the Kodak Easy Share digital camera. Then, I uploaded the photos to the computer using the USB cable. After that, I saved the photos into the different file formats. Next, I saved the files to the Attach'e memory stick. Then, I took them to school, loaded them up to the Apple laptop computer, and let 34 6th graders compare the files. Results It turned out that to the 6th graders TIFF and JPEG were the best. TIFF is the best file format. Conclusions/Discussion I found that my hypothesis is correct. 14 students thought that JPEG was the best. Another 14 thought that TIFF was the best and only 5 thought GIF was the best.	
Summary Statement My project is about image compression and digital photographs.	
Help Received Mother helped attach letters to display board.	