



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

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Project Title Does Price Equal Quality of One-Time-Use Cameras?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective of the experiment was to determine if there is a difference in one-time use (disposable) cameras, and does the quality of the photographs produced correspond with a price difference in the cameras?</p> <p>Methods/Materials Twelve disposable cameras (six different types and two of each type), were used in this experiment. Each camera took six photographs of six #poses#. Two of the poses were taken outside. Four were of still life objects taken inside, with and without flash. A black sheet was used to cover a wall and shelf. Still life objects, consisting of primary and secondary colors and flesh tones, were arranged upon the black sheet. Each camera took two pictures of the still life objects. One photograph with flash and one photograph without flash. The black sheet was then removed and a white wall and white shelf was used for the still life arrangement. The process that was used for the black sheet was repeated. The other two photographs taken were one of an outdoor landscape scene in consistent light and the other of the experimenter outdoors in consistent light. Two photographs were taken, both without flash. The photographs were then developed without color correction, and compared for four photograph quality aspects.</p> <p>Results All of the cameras produced good quality photographs, but the Kodak High Definition camera (at \$10.99), produced more defined images, the most accurate color reproduction, and the clearest images. The Longs Advantage 35 Daylight disposable camera at \$5.99 produced the least accurate color reproduction, and the least defined images. This camera did not include a flash feature.</p> <p>Conclusions/Discussion The results showed a correlation of photograph quality to purchase price of the one-time use camera. The most expensive disposable camera at \$10.99 produced the highest quality photographs. The most inexpensive camera (\$4.99) produced the second lowest quality photographs.</p>	
Summary Statement This project examines whether or not the price of one-time-use cameras correlates with the quality of the photographs taken by the cameras.	
Help Received Mother helped take photographs.	