CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

Name(s)	Project Number
Parker A. Williams	
	31713
Project Title	
Homemade Electronic Whiteboard	
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Objectives/Goals Abstract	
My goal was to determine if larger monitors would provide higher accuracy wh	en used with an electronic
whiteboard program. Methods/Materials	\bigcirc
Using an infared camera connected to my computer wirelessly via Blue Tooth	wed a homemade infrared
light pen as a mouse pointer. This was tracked by the infrared camera and data software program. I tried several different monitors of various sizes to see whe	was collected by a
Results	ch one was most accurate.
A larger computer monitor provided better accuracy.	
My conclusion supported my hypothesis. Electronic whiteboards benefit from	larger monitors.
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Summer Stationant	
Summary Statement Accurace of an electronic whiteboard made from a homemade infrared light pe	n a Nintendo Wii remote
and a BlueTooth dougle on a PC.	n, a remendo ven temote,
Help Received	
Dad purchased BlueTooth dongle and infrared LEDs and supervised soldering	of infrared light pen.