## CALIFORNIA STATE SCIENCE FAIR 2016 PROJECT SUMMARY

Name(s)	Project Number
Natalie A. Walzer	
	36306
Project Title	
How Can Knee Injuries Be Prevented in Female Athletes?	
Objectives/Goals Abstract	
The objective of this experiment is to determine if the same inclinations for position that has been proven to occur in older athletes is present in population.	the knee of go into the valgus ions younger than 13 years
Methods/Materials Used 4 cones to direct test subjects during the 45 degree hop test, recorded a movements that occur in sports with an iPhone with the Hudl technique app	and measured the three other olication.
<b>Results</b> Female athletes had larger knee abduction angles than male athletes. Howe a difference as studies that tested high school and collegiate athletes.	er, it was not as significant of
<b>Conclusions/Discussion</b> One can conclude from the experiment that the differences thought tooccur happening at a younger age and need to be acted upon at this age with injury believed that this will help decrease the amount of ACL injuries if given bel more prevalent.	at the age of thirteen are y prevention training. It is fore these differences become
$\square$	
Summary Statement I showed that degrees of knee valgus thought to occur at puberty are beginn athletes.	ing to appear in younger
Help Received My dad helped me get access to scientific texts, and my science teacher help organize and present my project. I performed and measured the trials of my	