



**CALIFORNIA STATE SCIENCE FAIR
2010 PROJECT SUMMARY**

Name(s) Sean Won	Project Number J1325
Project Title An Ideal Penmanship	
Objectives/Goals Does the style of grasping a pencil affect the quality of the penmanship? Hypothes:Peoples penmanship depends on the way of grasp	
Abstract	
Methods/Materials Materials # 15 Pencils, # 15 Paper on which testers will write the sentence, "I can't drink chocolate milk because I am full.", # 5 testers who grasp pencil in the Right ways, # 5 testers who grasp pencil with Tripod grasp., # 5 testers who grasp pencil with Quadropod grasp., # 10 evaluators who rate testers for best penmanship, # 10 rating forms, # 2 Erasers, # 1 Camera to take photographs of each tester, # 1 Calculator Procedure 1.Type and print 15 pieces of following sentence: "I can't drink chocolate milk because I am full.", 2.Finding five testers who use the Tripod grasp, another five testers who grasp pencil with the Quadropod grasp, and five people who grasp pencil with the Right way., 3.Individually give each tester a pencil and a sentence sheet., 4.Let the tester to print the sentence., 5.Give him one minute to copy sentence., 6.Repeat steps four to five for another fourteen time.,7.Take three pictures while they repeat steps.,8.Line up all fifteen sentences.,9.Show the writing samples to the Evaluators and pass out voting paper.,10.Have each evaluator to judge neatness by putting names in order from one being best to fifteen being worst.,11.Collect the Evaluating Papers,12.Average each score by adding all the scores they got from each evaluator and divide it by fifteen.,13.Graph the data.	
Results The way of grasping the pencil which leads to the best penmanship was the tripod grasp. The Tripod grasp got first place, the Quadropod grasp got the second place, and the right way to grasp a pencil got the last place.	
Conclusions/Discussion My Hypothesis was proven, way of grasping pencil affects on peoples penmanship. However my prediction was wrong. Rightway was not best way to grasp a pencil.	
Summary Statement It is about way of grasping pencil affects on the penmanship.	
Help Received Mother helped designing board.	