

CALIFORNIA STATE SCIENCE FAIR 2005 PROJECT SUMMARY

Name(s)	Project Number
Onur S. Olmez	J0214
Project Title The More Pulleys, The More Pull	
Abstract	
 Objectives/Goals My project was to find out if there were any disadvantages to u you use more pulleys it gets easier to lift a certain amount of wow Methods/Materials Three pulley setups with identical weights but different number only one pulley; Setup 2 has two pulleys, and Setup 3 has four the exact height, the string pulled on each setup were measured on each setup's string. Results The amount of string pulled increased as the number of pulleys pulley), the distance pulled was the same as the lift height. On S was twice the lift height. On Setup 3 (four pulleys), the distance Conclusions/Discussion My conclusion is that number of pulleys determine the number number of string segments determine how long the string will b height.	eight, but you pull more string to lift it. of pulleys were constructed. Setup 1 has pulleys. When the weights were lifted to and the each distance were color marked in each setup increased. On Setup 1 (one Setup 2 (two pulleys), the distance pulled e pulled was four times the lift height. of string segments going around them. The
Summary Statement My project is about the price you pay when you increase the nu	mber of pulleys to lift weights easier.
Help Received	

My mother helped to type and to make the tables for my display.