

CALIFORNIA STATE SCIENCE FAIR 2006 PROJECT SUMMARY

Name(s)	Project Number
Ian K. Flagstad	J1810
Project Title Carbon Fiber Kevlar Fiberglass	I
Objectives/Goals Abstract	
In this project I was attempting to find the ansewer dealing wit materials, carbon fiber, kevlar, and fiber glass.In these explora each catagory I will cocnduct any where from 7-15 test. Methods/Materials I tested Kevlar, carbon fiber, and fiberglass in three temperature degrees.Each material sat in these temperatures until finally res	tions I will conduct 9 different catagories.In res 72 degrees, 0 degrees,and 200
the material on to an elevated surface with only the center of th completed those steps I divided 465.5g. on to all four corners.I long.The measured the angle of degrees the material came out Results	ne material being supported.once I let the material hang for 3:00 min. being.
In the end I found that the 0 degrees temp. increased the mater temp.Immensly decreased the materials streangth. The best ove kevlar.	
Conclusions/Discussion In conclusion I found that at a certan point the materials resinvent extremely flexible. In the colder condition the resin became fror results applly to all three materials. Therefore if an engineer will like a fishing pole then they should use fiberglass. If the engine stay extremely stiff, like a bullet proof vest then they should us	zen and strengthening the material.Tese shes to find a material that will bend easily, er wishes to find a material that needs to
Summour Statement	
Summary Statement The strength of kevlar, carbon fiber, and fiberglass in different	conditions.
Help Received	

Mother helped type report and pay for materials; adult advisor,Mr. Ryan Moulton helped with resin application; friend with resin application.