CALIFORNIA STATE SCIENCE FAIR 2002 PROJECT SUMMARY

Name(s)	Project Number
Allison C. Frazier	
Project Title	
Watch Out Balow	
Watch Out Below	\sim \sim
Abstract	
Objectives/Goals	of Oddarant Phaliava the shane
will affect a parachute's descent rate, and that the triangle will finish first	followed by the square, octagon
hexagon, and rectangle.	
Methods/Materials	alan Data ta different shore
Using garbage bags, wasners, a nut, string, scissors, a protractor, and a r	five times from 16 ft 5 in with
a 2 oz. washer. Then changed to a 1 oz. nut and repeated. I recorded the	data and averaged each shapes
descent time with the different weights. I compared the different weight	t and shape averages.
Results With the 2 owner weather the triangle fall the fastest with an every set of the	56 seconds followed by the
rectangle with an average of 1.63 sec., the square at 1.86 sec. the hexage	on at 2.29 sec., and the octagon at
2.56 sec. With the 1-ounce nut the results stayed pretty much the same."	The triangle finished first with an
average of 2.17 seconds., the rectangle was next at 2.46 sec., then the sq	uare at 2.75 sec., the octagon at
2.75 sec., and the nexagon at 2.94 sec.	
My hypothesis wasn#t supported by my result. From this experiment I	learned that for the same area, th
more corners something has the slower its descent. Through my researc	h I learned about the terminal
velocity of an object, and that the weight and shape of an object affect it further experiment on this preject yould take to he sure	s velocity. Therefore, if I were to
terminal velocity.	the parachutes had reached
$(\overline{}, \overline{})$	
Summary Statement	
Does the shape of a parachute affect its descent rate?	
Help Received	
Ms. Brown with format. My mom and dad in building and testing. My	dad some typing.