CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY

Name(s)
Ryan Caron; Dylann White

Project Number
S0202

Project Title
The Science of Snowboarding

Abstract

Objectives/Goals
Oun Goal was to determine how the length, width, and flexibility, of a snowboard, determine the speed.We tried to factor out as much experimental error as we could.

Methods/Materials
Procedure: Ryan Stood at he top of a selected area on a snowboard,he waited for Dylann to give him the signal and he rode as fast as he could from piont A to point B. She timed him and she recorder the time fo each of the three boards. We did the test three times per board tested. We used 3 differnet boards, a Silence 160cm, a Burton 155cm and a Mellenium 3 158cm.

Results
The Mellenium 3 158cm board was the fastes by at least 1m/sec and that correlates dirrectly to the fact that it was longer, narrow, and very stiff.
comming in second was the silence 160cm and it was also very long but very soft and was pretty narrow.
The burton 155cm was the slowest and it was also the shortest. The board was moderatly wide and was very flexible. we concluded that our hypothesis was correct.

Conclusions/Discussion
We found that a longer, Narrower, stff board was the fastest, and the shorter, fatter and softer the board the slower it would be but it would be much easier to turn and carve on.

Summary Statement
Testing the factors that affect the speed of a snowboardn

Help Received
Rip-N-Willies lake tahoe/Heavenly lake tahoe/