



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

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Project Title 5...4...3...2...1... Blast Off!	
Abstract Objectives/Goals Objective: To find out what fin design flies the highest and what fin design is in flight for the longest time. We think the triangular fin will fly higher because it will fly straighter. Methods/Materials Materials and Methods: We had flown five rockets that are the same weight. The only thing different about each rocket is the fin design. We have flown each rocket three times and we then average the three heights and the three lengths of time the rocket was in the air. We used materials such as cardboard, model paints, string, plastic, model glue, balsa wood, and model rocket engines. Results Results: Our results show that the circular fins fly better then triangular fins. The circular shapes fin consistently had a higher altitude. Conclusions/Discussion Conclusion: My conclusion is that the more the fin sticks out the higher it goes because there is more stability so it will fly straighter.	
Summary Statement We made five different fin designs for rockets to see what shape caused the rocket to fly the highest.	
Help Received Mother helped re-type report, Dad helped build rocket and drive us places	