



California Science Center
CALIFORNIA STATE SCIENCE FAIR
2001 PROJECT SUMMARY

Your Name (List all student names if multiple authors.) Nick Boucher; Pietro DeSantis; George Luce	Science Fair Use Only
Project Title (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9) Researching The Flight Of Paper Airplanes	J0901
	Division <u>J</u> Junior (6-8) <u>J</u> Senior (9-12)
Preferred Category (See page 5 for descriptions.) 9 - Fluid Mechanics/ Aerodynamics/ Thermophysics	
Abstract (Include Objective, Methods, Results, Conclusion. See samples on page 14.) Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges. Objective: We will be testing different designs of paper airplanes to see which design generates the most lift. We will also be testing the effects of center of gravity on the planes. Materials and Methods: To conduct this experiment we will fold the planes into three pairs of identical designs. We will then test each plane three times each while the variables are being applied. The variables we will use are two different weights of paper and we will move the center of gravity on each plane. When the testing is completed we will average the scores for each plane. Results: We discovered that the more aerodynamic plane with larger wings flew the best, because the wing provided enough lift for the body. Conclusion: We concluded that the larger wing area greatly helped the flight of the plane and the pointed nose helped the flight also.	
Summary Statement (In one sentence, state what your project is about.) The objective of this project was to see which paper airplane flew the farthest.	
Help Received in Doing Project (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4. Mother helped type report	