

SCIENCE BUDDIES in Action



Student

Justin Spahn
Antioch, CA

Awards

1st Place Category Award, Contra Costa County Science and Engineering Fair
Grand Award, Contra Costa County Science and Engineering Fair
Best in Show Award, Contra Costa County Science and Engineering Fair
Hoover Young Engineer Award
2nd Place Award, Northern California Chapter of the American Vacuum Society

Overview

When Justin Spahn, a senior from Antioch, California, was assigned to do a public outreach project he chose to design a science fair project. With an interest in aerodynamics and planetary science Justin began his search for a project idea. After searching the Science Buddies website he was inspired by the Project Idea [Which Wing Design Creates the Greatest Lift](#). When he discovered "camber" a term with which he wasn't familiar, he began to research this term and its relation to flight and aerodynamics. He was so fascinated by what he found that he developed his own unique project "Airfoil Efficiency as Determined by Camber".



With hard work and help from his experienced teachers, Justin had great success at his regional fair, the Contra Costa County Science and Engineering Fair. He went home with a 1st Place Category Award, the Grand Award, and the Best in Show Award in addition to the Hoover Young Engineer Award and the 2nd Place Award from the Northern California Chapter of the American Vacuum Society. His success at the regional level earned him a spot at the 2007 Intel International Science and Engineering Fair (ISEF). Justin enjoyed his experience at Intel ISEF 2007 feels it was *"an award in itself to be one of the 1,500 competing students."*

Justin will attend U.C. Davis next year and plans to major in Aeronautical Engineering. In addition to doing research about his chosen field of study Justin enjoys reading, spending time with friends a family, and following NASA missions. He is a member of ESPACE Academy, a grant-funded group that seeks greater academic standards and scientific focus. He has been very involved in the marching, symphonic and jazz bands as a trumpet player and teaches private trumpet lessons.