



# Colorado Science and Engineering Fair

## 2024 Team Project Abstract Form

Please print 2 copies of the completed form. Sign both copies, keep 1 for your notebook and submit 1 copy to your Regional Fair Director with your other paperwork.

Title of Project: It's a Bird, It's a Plane, It's a Paper Airplane

Team Leader's Name: Madison Gunnels

Team Member 1: Caroline Prieto

Team Member 2: Layna Snyder

School and City: Brush Middle School, Brush Co

Sponsor's Name: Cynthia Albo

Category: Physics & Astronomy (PHYS)

Division: Junior (6th - 8th grades)

Abstract (250 words or less):

Our project was on paper airplanes and which model would do best in distance and accuracy. We chose six paper airplanes to test on these categories. We decided to do this project to analyze which models would do better in distance and accuracy and find an overall best model based on these two categories.

First, we made the airplanes and threw all of them three times and measured the distances, then came up with a mean for each airplane's distance to see which performed the best. After that, we rated how hard they were to make on a scale of 1-10.

As to our results, we found that "The Bird" did the best for distance, reaching a distance of 23'. While for the accuracy portion, "The Dart" is the one that did the best out of all of the other models. Through all of this, however, the easiest to make and throw was the control.

We did this project to see which of the six models we tested would have the best distance and accuracy, as well as to see which one is easiest for everyday use. On the learning aspect of it, we had the purpose of learning what makes a paper airplane, a good paper airplane. After our investigation, we concluded that the control airplane was the best for everyday use because it was easy to make and throw and placed second in each category.

*We hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. We also attest that the above properly reflects our own work.*

Team Leader's Signature: Madison Gunnels

Date: 2/29/24

Team Member 1's Signature: Caroline Prieto

Date: 2/29/24

Team Member 2's Signature: Layna Snyder

Date: 2/29/24

In addition, all students must complete the ISEF Student Checklist (1A), Research Plan, Approval Form (1B), and Checklist for Adult Sponsor (1), and any other ISEF forms required for this type of project. See the International Rules and Guidelines for form requirements. Return COPIES of all of these forms to your Regional Fair Director with your Finalist Verification/Permission Form. A signed copy of this form must be included in your notebook.