

Donated by:
Cindy Edmunds

DESTINATION IMAGINATION
Practice Instant Challenge
Aerodynamics

Challenge: Your challenge is to build an airplane that flies, using only the materials provided.

Time: You will have four minutes to design, build and test-fly an airplane and one minutes to fly it for points. You may have as many test flights as you wish, as long as time remains. **You will only be scored on your last attempt.**

The Scene: Your unit of the Civil Air Patrol had worked for weeks on constructing airplanes for a competition. When you arrived at the competition, you found out that you must construct the airplanes during the competition.

Items to Use in Your Presentation:

2 sheets of paper (8.5 x 11.5)
scissors (may not be part of the final structure)
6 mailing labels
2 rubber bands
5 paperclips
one paper sack (lunch size)
one plastic sack (grocery size)
one 12" piece of string
two small binder clips
3 straws

Scoring:

You will receive:
1-20 points for the creativity of the design of the plane
2 points for each type of material used (up to 20 points)
1-20 for the overall creativity of the use of materials
2 points for each foot traveled, until plane stops moving
1-20 points for teamwork