

Airplane Rules

1. Contestants must create ONE paper airplane using ONLY one 8.5 x 11 sheet of paper
2. Paper must be 20 lb paper (standard printer paper)
3. Paper may be decorated using pens, pencils, markers, etc
4. Staples, tape, paperclips, etc may not be used
5. Students may make their plane ahead of time, or make it during the event
6. Students may remove material from the printer paper, but may not add more paper (through tape or otherwise)

Throwing Rules and Scoring

Airplanes will be judged in the following three categories:

1. **Distance:** The creator of the plane that travels the farthest from the starting line will win a prize.
 - a. While throwing, the thrower's feet may not cross the starting line.
 - b. The distance will be measured from the starting line to where the plane comes to rest, even if the plane "skids" some of the distance on the ground.
2. **Hang Time:** The creator of the plane that stays in the air the longest will win a prize.
 - a. The volunteer will use a stopwatch to determine how long each plane stays in the air.
 - b. Time will start when the plane leaves the thrower's hand.
 - c. Time will end when the plane hits the ground (even if the plane continues to skid).
3. **Presentation:** The creator of the "nicest looking" airplane will win a prize, at the discretion of the Space Raiders Robotic Mining Competition Team.
 - a. Decoration, style, and neatness may all be considerations for this award

Procedure

1. Contestants create plane or bring their own plane
2. Volunteer approves that plane follows the "Airplane Rules"
3. Volunteer takes two pictures:
 - a. One of contestant with plane
 - b. One of the plane alone
4. Contestant will throw the plane
5. Volunteer will use stopwatch to determine hang time
6. Volunteer will measure distance travelled perpendicular to the starting line
7. Volunteer will record hang time, distance, and photos in the entry form alongside contestant data (name, email, etc) in this form: https://docs.google.com/forms/d/e/1FAIpQLSetm8GlllNKdtNVx24GGPSpSpVzRiggYJPhSxmJKweDf_rLg/viewform?usp=sf_link
8. Winners will be notified the following day to coordinate prize distribution