
**OFFICIAL RULES FOR THE
2016 TULSA ENGINEERING CHALLENGE**

Sponsored by the Tulsa Engineering Foundation

**PAPER AIRPLANE COMPETITION
DISTANCE FLOWN CATEGORY**

OBJECTIVE

Design, document, fabricate and submit for flight testing a "paper" airplane to demonstrate Distance of Flight.

The paper may be of any weight (tissue, newspaper, gift-wrap, copier paper, aluminum foil, etc.) up to and including index card or manila folder stock. NO corrugated cardboard, foam board, or poster board is to be used.

b. White glue and scotch tape. (To be used for adhesive purposes only. Masses of tape or glue are NOT to be used for added weight.)

c. Paper Clips, standard office size (No.1, 1.25 inches long).

1) HS Division ONLY, limited to 3 paper clips.

2) MS Division ONLY, limited to 5 paper clips.

3) 6th grade and under Division, limited to 6 paper clips.

CONSTRUCTION SPECIFICATIONS

All aircraft are to be folded or built by the student team members only. Materials used in the fabrication of the aircraft are strictly limited to those listed in the Material Options. The aircraft may be any size or shape excluding disks or saucers. Aircraft may not utilize any spinning motion for stability (such as a Frisbee) or for any other function. The aircraft must demonstrate aerodynamic glider flight. (NO rubber bands or other power sources are permitted. NO crumpled balls of paper or foil "flying" by ballistic inertia are permitted.) The wingspan, which is defined as the largest dimension of the aircraft perpendicular to the intended direction of motion during flight, must be equal to at least half of the overall length of the aircraft. These dimensions must hold true for the in-flight configuration of the aircraft. No part of the aircraft may be deformed by the thrower, by aerodynamic force during flight, or by any other mean, such that the proportional dimensions of the aircraft violate this specification. Special note for foil aircraft: at least one small area of exposed scotch tape should be provided to allow the officials to initial the entry after inspection.

COMPETITION SPECIFICATIONS

During all phases of the competition, the decisions of the Officials are FINAL.

Pre-Test-Flight Activities

Registration will be done via the TECh web page which can be accessed through www.tulsaengineer.org. Questions? E-mail: tulsatechchallenge@gmail.com

PRIZES

Prizes will be awarded for three divisions as follows: Upper Division (9th thru 12th) for the Middle Division (7th thru 8th) and Lower Division 6th grade and under). In the event of a tie, prizes will be equally distributed between winning entries.

First Place: \$50 cash and \$25 for their classroom.

Second Place: \$40 cash and \$25 for their classroom

Third Place: \$25 cash and \$25 for their classroom.

Cash prizes will be awarded by a bank check and issued to the teacher/school listed on the registration. We will mail a check to the address listed on the registration within a few weeks of the competition. If you do not receive your prize within a few weeks, please email info@tulsaengineer.org with your team name, school, and competition won.