

AE24

A National Model Airplane Competition for Aviation Students Sponsored by the National Free Flight Society, with cooperation From San Diego State University Department of Aerospace Engineering.



 SAN DIEGO STATE
UNIVERSITY
Aerospace Engineering
College of Engineering

Who's Eligible?

Open to students in an Aviation or Aerospace Engineering programs at the middle school, high school, or college level.

Are There Prizes?

1st Place 10.2" iPad Wi-Fi 64GB + 1 year NFFS membership

2nd Place Wacom Intuos Wireless Drawing Tablet, 7.9" X 6.3" + 1 year NFFS membership

3rd Place One by Wacom Student Drawing Tablet 6.0" X 3.7" + 1 year NFFS membership

How Do I Enter?

1. No entry fee.
2. Entries may be submitted between **November 15 and December 3, 2021**.
3. Entries are submitted in video format (MP4). Only one flight per student may be submitted. If part of a team, each member may submit a video of themselves flying the team model.
4. Video must show a continuous (unedited) flight from launch to landing.
5. Email videos to the AE24 Contest Director, Ross Jahnke: ross.jahnke@nicholls.edu

Are There Rules?

1. The model shall be a fixed wing, rubber band powered free flight model airplane.
2. It shall not have moving flying surfaces, though it may have an irreversible dethermalizer (DT) system.
3. Wingspan shall not exceed 24 inches when it is in assembled condition. The wing is the largest flying surface on the model no matter the configuration. Fuselage length is not limited.
4. The propeller shall be an unmodified commercially available plastic freewheeling propeller up to 22 centimeters (8.5 inches) in diameter. Weight may be added to balance the propeller.
5. A wound rubber band turning the propeller will be the sole source of thrust for the model. (No electric motors, engines, catapults) and the flying surfaces shall provide the sole source of lift (no balloons etc.).
6. Flights will be timed from the moment the model is launched to the time it lands, measured in seconds. Flight times will be measured based upon video submissions.
7. If a model hits another model the competitor may decide, after their model lands, whether that flight counts as official or to re-fly that flight.
8. **We reserve the right to ask for proof of student status.**