

ASME Aluminum Can **Glider** Contest

Original idea from OREGON TECH.

Friday **23 Feb 07, 12 PM** in front of the Clyde Bld.

Goal: **Maximum distance**

First Prize: **2 iPod videos**, from Dow Chemical

Second Prize: **2 iPod shuffles**, from Dow Chemical

Third Prize: Dinner for Two at/from Happy Sumo
and Dinner for Two at/from Carrabba's

Best Looking Glider, 1st and 2nd place: 2 gift bags from the BYU Bookstore.

This contest is **free** and open to all **BYU** students.

Vehicle Specifications:

1. Design and build a **hand-launched glider** aircraft. Vehicle must be a **glider** made from aluminum beverage can material. Some wire substructure is allowed. One glider per person or team.
2. Joints, on the aircraft, can be constructed with glue, tape, thread (as in stitching), wire, rivets, spit, etc.
3. A **small amount** of firmly attached material can be added for weight and balancing.
4. The **maximum** weight of the aircraft is **224 grams**.
5. The craft is strictly a free flight vehicle. No on board power supply of any kind will be allowed!
6. No launching apparatus is allowed. No parachutes are allowed. No projectiles. No "rocks." No "Frisbees." No wood or Styrofoam. Aluminum cans and wire are the only things that can be used for structure.. Make a glider. Hand launching only.
7. **Cover any sharp edges with tape.**
8. **Verify your design** with davidkunio@gmail.com. If your design is not verified, it may be disqualified.

Judging Glider Performance:

1. Each team will be allowed three official flights and one glider. Recommended team size is 2 people.
2. The longest distance will be that team's official score.
3. If the aircraft is damaged during the impact of a first or second run, a maximum time of 15 minutes will be allotted for repairs to the aircraft. If the aircraft is not able to fly after 15 minutes, the contestant forfeits the remaining one or two flights.

Miscellaneous Information:

1. The hand-launchings will be from a ladder or platform.
2. Each aircraft must be labeled with a name or picture for easy identification.
3. The schedule for the first flight of any entrant will be drawn by chance from a container holding the names of all entrants. The second and third flights (if any) of an entrant will be scheduled as soon as the entrant can be returned to flying status at the ladder or platform.
4. There will be no duplicate prizes. In case of a **tie**, the tied gliders will fly again, if able, in a sudden-death fly-off. If one is unable to fly again, the other wins by default. If neither can fly again, the prize in question will be given to the contestant who launched first.
5. Ties will be declared for distances differing by less than an inch.
6. **Decisions of the judges are final.**
7. Direct questions to coltrain@gmail.com
8. These Rules are at www.et.byu.edu/groups/asme <Glider Rules>