

RULE BOOK FOR

CHUCK GLIDER

1. Event Overview

The Chuck Glider Challenge is an exciting competition where participants construct and test their own chuck gliders using the provided materials. The goal is to design a glider that achieves maximum flight distance while maintaining aerodynamic stability and proper center of gravity (CG).

2. Eligibility

- Open to all students.
- Teams can have 1-4 members.
- Only registered participants are allowed to compete.

3. Materials and Tools

- Provided by Organizers:
 - Balsa wood sheets
 - Required Stationaries
 - Pre-approved glider design
- To be Brought by Participants:
 - Any other small stationary items needed for precise construction and basic things

4. Construction Rules

- Participants must build their glider within the provided time limit.
- They can follow the pre-approved design or create their own design, provided it stays within the given material limits.
- No additional materials (other than what is provided) are allowed.
- The glider must be manually launched (no external propulsion allowed).
- No extra material will be given.

5. Competition Rules

- Each team will be given a set time limit to complete their glider.
- Once completed, each glider will get Two flight attempts.
- The flight will be conducted in a designated open space.
- The distance flown will be recorded for scoring.

6. Judging Criteria

- Flight Distance: The glider that travels the farthest wins the highest score.
- Aerodynamics: Smooth airflow, minimal drag, and efficient wing design.
- Center of Gravity (CG) Maintenance: Proper balance to ensure stable flight.
- Overall Design & Build Quality: Precision in cutting, assembling, and finishing.

7. General Guidelines

- Participants must adhere to safety measures while using cutting tools and adhesives.
- Any damage to the provided materials before construction must be reported immediately.
- Any unfair means or rule violations will lead to disqualification.
- The decision of the judges will be final.

8. Awards & Recognition

- Winner: Longest flight distance with stable aerodynamics.
- Best Design: Most innovative yet effective glider design.
- Best CG Balance: Most stable and well-balanced flight.

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