

## **THE RULES OF LAUNCH GLIDER COMPETITION WEF 2017**

The SYFC Launch Glider event is open for Junior (Sec One and Two) and Senior (Sec Three to Five) for this Interschool Competition. Gliders will be placed on a catapult launcher instead of launching by hand as in previous competitions.

**Materials:** No restrictions other than metal sheets  
**Weight:** Not more than 200 grams  
**Dimensions:** Minimum Wing Span: 35.56 cm or 14 inch  
**Power:** Non-power assisted. No electronics, rubber / bungee cords or Other aid / mechanism be used.  
**Launcher:** Launch pad tilted to 5 degrees angle elevation  
**Thrust:** 2 kgf

As a rule of the thumb, ensure the glider is build strong but keeping it light with some nose weight to maintain a good CG for stable flight.

The glider will be placed on a launch pad and with the fuselage hooked onto a bungee cord that is stretched to 2 kgf and then released when ready. The glider that tracks straight and gained the longest distance will be the overall winner. The distance recorded will be based on the glider's first contact with the ground upon landing from the point of launch, even though the glider continues to slide and comes to a stop at a further distance. The Sliding distance is not counted.

Each participant is allowed 2 attempts. Each participant should have a spare glider and ready in the event that one fails or broken. The contestant shall have the spare glider ready for 2<sup>nd</sup> attempt when called upon. The better of the 2 flights will be considered as the final result for scoring.

There will be no sharing of the flying models during the event and participants who comes barehanded or borrowed model entries will be disqualified including those contestants who allowed their models to be utilized by others in the competition. All gliders must have their names and school written clearly on the wing of the glider.

Any disputes will be settled immediately and decisions made by the judges will be final.

David Su  
Contest Director  
SYFC