

- i. Any flight beginning within the 8-minute Flight Period will be permitted to fly to completion. Participants may make adjustments/repairs/trim flights during their official 8-minute Flight Period. Before their launches, participants must indicate to the Timers whether a flight is official or a trim flight. A flight is considered official if a team fails to notify a Timer(s) of the flight's status. Teams must not be given extra time to recover or repair their airplanes.
 - j. Teams may make up to a total of 2 official flights using 1 or 2 airplanes.
 - k. Time aloft for each flight starts when the airplane leaves the participant's hand and stops when any part of the airplane touches the floor, the lifting surfaces no longer support the weight of the airplane (such as the airplane landing on a girder or basketball hoop), or the supervisors otherwise determine the flight to be over.
 - l. Event supervisors are strongly encouraged to utilize three (3) timers on all flights. The median flight time in seconds to the precision of the device used is the official time aloft.
 - m. Participants must not steer the airplane during flight.
 - n. In the unlikely event of a collision with another airplane, a team may elect a re-flight. The decision to re-fly may be made after the airplane lands. Timers are allowed to delay a launch to avoid a possible collision. The 8-minute Flight Period does not apply to such a flight.
 - o. The supervisor will verify with the team the data being recorded on their scoresheet.
5. **SCORING:**
- a. The base score is the Team's longest single official flight time. Ties will be broken by the longest non-scored official flight time.
 - b. **Motors, collected at inspection, will be held by the event supervisor until they are returned to the team signaling the start of the Preflight Period.** Once a team has been re-issued their motors, prior to their 8-minute Flight Period, a timing official will start a Preflight Period stopwatch. If their first airplane flight (**powered or unpowered**), trim or official, is launched within 3 minutes of the return of motors a 5% bonus will be added to the base score. After 3 minutes have passed since the return of motors, the 8-minute Flight Period will start **and no bonus will be awarded**.
 - c. A bonus of 10% of the flight time will be added to the flight time of an airplane that has the surface of the wing between at least 2 ribs of the leading and trailing edges or at least one of the wing tip fences completely marked with black marker or black tissue. If no ribs are present, the whole surface must be black.
 - d. Teams with incomplete flight logs will have 10% of their flight time deducted from each flight.
 - e. Teams without flight logs will have 30% of their flight time deducted from each flight.
 - f. Teams that violate a rule under "CONSTRUCTION" or "THE COMPETITION" that does not have a specific penalty will be ranked after all teams that do not violate those rules.

Recommended Resources: The Science Olympiad Store (store.soinc.org) carries the Wright Stuff CD and Wright Stuff Video; other resources are on the event page at soinc.org.

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