FLIGHT B/C

Team Checklist – 2023

Rank: _____
Tier: _____
Final Score: _____

Team Number: B/C School & Team Name: _____

Student Names: _____

PLANE A PLANE B ← CHECK-IN (UP TO 2 AIRPLANES)

Construction & Competition Parameters:

T	F	T	F	3.a.	If kits are used, they do not contain any pre-glued joints or pre-covered surfaces.
T	F	T	F	3.b.i.	If a helicopter is used, it has a flat balsa wood disc, large enough to cover a dime, as the upper most part of the helicopter, the part that would touch a flat ceiling first during flight
T	F	T	F	3.b.ii.	If a glider is used, the handheld launcher in its ready to use configuration fits in the box with the glider when it is presented for inspection.
T	F	T	F	3.c.	Boron filaments are not used in the construction of the aircraft or box.
T	F	T	F	3.d.	The aircraft in its flight configuration & during flight fit into a team-provided rectangular box of 39.0 cm x 28.5 cm x 63.0 cm (Div B) or 33.0 cm x 27.0 cm x 43.0 cm (Div C). The aircraft's overall dimensions do not change after being removed from the box.
T	F	T	F	3.i.	All aircraft-lifting forces are generated by wing(s) or rotor style flying surfaces.
T	F	T	F	3.j.	Total mass of the aircraft, excluding the rubber motor(s), is 8.00 g or more.
T	F	T	F	3.k.	Variable-pitch propellers that include mechanisms to actively change the propeller/rotor diameter or blade angle are not used.
T	F	T	F	3.l.	The sole power for the aircraft comes from rubber motor(s) For single-motor aircraft, each motor, including any attachments such as O-rings, is less than 2.00 g. For multi-motor aircraft, each set of motors do not exceed a combined mass of 2.00g and is checked in as a set. If different sets of motors are checked in, individual motors are not interchanged between sets.
T	F	T	F	3.n.	Students are able to answer questions regarding the design, construction, and operation of the device per the Building Policy found on www.soinc.org
T	F	T	F	3.o.	Aircraft are labeled so the Event Supervisor can easily identify to which team it belongs.
T	F	T	F	5.b.	Participants do not receive outside assistance, materials, or communication once they enter the cordoned off competition area to practice, to trim, for inspection, or to compete.
T	F	T	F	5.e.vi.	Participants do not steer the airplane during flight.
1. T	**F**	**3. T**	**F**	**PLANE MEETS ALL CONSTRUCTION AND COMPETITION PARAMETERS ABOVE**	

Bonus:

2. T	**F**	**4. T**	**F**	6.b. The airplane has the entire surface of the wing between at least 2 ribs or at least one of the wingtip fences or a vertical stabilizer completely marked with black marker or black tissue, OR the whole surface is black if no ribs are present, OR at least one black-colored lifting surface if no wings or vertical stabilizers are present.

FLIGHT-DESIGN LOG

5. Is the Flight Log complete, incomplete, or not present?
Complete
Incomplete (10% deduction)
Not present (20% deduction)

6. Is the Design Log complete, incomplete, or not present?
Complete
Incomplete (5% deduction)
Not present (10% deduction)

1ST FLIGHT 2ND FLIGHT ← OFFICIAL FLIGHTS (IN 8 MIN.)

1ST FLIGHT	2ND FLIGHT	
7. A B	**11. A B**	Which airplane from above was used?
8. ____:_____.___	**12.** ____:_____.___	**Timer 1**
9. ____:_____.___	**13.** ____:_____.___	**Timer 2**
10. ____:_____.___	**14.** ____:_____.___	**Timer 3**

← **Flight Times** *(minutes:seconds)*

15. T F General Rule: The team is disqualified. (Notify the team and their coach as soon as possible.)

THE INFORMATION HERE SHOULD NOT BE INTERPRETED AS AN EXTENSION OF THE RULES. THE OFFICIAL RULES IN THE CURRENT RULES MANUAL, RULES CLARIFICATIONS/CHANGES, AND FAQs TAKE PRECEDENCE. © SCIENCE OLYMPIAD INC.