



# WRIGHT STUFF C

Team Checklist – 2021

Rank:	_____
Tier:	_____
Final Score:	_____

Team Number:   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, the airplane does not contain any pre-glued joints or pre-covered surfaces.
T	F	T	F	3.b. Boron filaments are not used in the construction of the airplane.
T	F	T	F	3.c. Total airplane mass throughout flight (excluding rubber motor) ≥ 8.00 g.
T	F	T	F	3.d. The wing(s) have horizontally projected wingspan ≤ 30.0 cm and wing chord ≤ 8.0 cm.
T	F	T	F	3.d. The horizontal stabilizer has horizontal projected span ≤ 12.0 cm and chord ≤ 6.0 cm.
T	F	T	F	3.e. The diameter of the propeller is ≤ 8.0 cm.
T	F	T	F	3.e. Variable-pitch propellers that include mechanisms to actively change the blade diameter or angle are not used.
T	F	T	F	3.f. A rubber motor of any mass is the sole power for the airplane after release.
T	F	T	F	3.h. The airplane is labeled so that the Event Supervisor can easily identify to which team it belongs.
T	F	T	F	4.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	4.m. Participants do not steer the airplane during flight.

1. T    F    3. T    F    **PLANE MEETS ALL CONSTRUCTION AND COMPETITION PARAMETERS ABOVE**

### Bonus:

<u>2. T</u>	<u>F</u>	<u>4. T</u>	<u>F</u>	5.c. The airplane 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, or the whole surface is black if no ribs are present.
<u>5. T</u>	<u>F</u>			5.b. Is the first airplane flight, trim or official, launched within 3 minutes of the return of motors?

## FLIGHT LOG

6. <b>Complete</b> <b>Incomplete</b> (10% deduction) <b>Not present</b> (30% deduction)	5.e-f. Is flight log complete, incomplete or not present? (Circle one) <i>Complete means including 6 or more parameters (including motor size before windup, number of turns on the motor or torque at launch, flight time, and 3 additional) for 10 or more test flights prior to the competition.</i>
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## 1<sup>ST</sup> FLIGHT                      2<sup>ND</sup> FLIGHT                      ← OFFICIAL FLIGHTS (IN 8 MIN.)

7. A    B                      11. A    B                      Which airplane from above was used?

8. \_\_\_\_:\_\_\_\_.\_\_\_\_                      12. \_\_\_\_:\_\_\_\_.\_\_\_\_                      **Timer 1**

9. \_\_\_\_:\_\_\_\_.\_\_\_\_                      13. \_\_\_\_:\_\_\_\_.\_\_\_\_                      **Timer 2**    ← **Flight Times**  
*(minutes:seconds)*

10. \_\_\_\_:\_\_\_\_.\_\_\_\_                      14. \_\_\_\_:\_\_\_\_.\_\_\_\_                      **Timer 3**

5.d. **Bonus:** The team uses the same airplane for both flights (all airplane components, except for the rubber band from the first flight, are used on the second flight), and on the first flight the airplane completes at least one orbit (360-degree horizontal turn) in either a clockwise or counterclockwise direction and the team makes adjustments to the airplane such that it completes at least one orbit in the opposite direction on the second flight. (If “True,” flight times will be added together for official score.)

15. T    F

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