ELASTIC LAUNCHED GLIDER B – 2019

Rank: _____

Final Score: _____

Team Number: B___ Team Name: _____

Student Names: _____

CHECK-IN (UP TO 2 GLIDERS):

	GLIDER A		GLIDER B	
Construction Parameters:				
3.b. Glider does not use components with pre-glued joints or pre-covered surfaces.	Y	N	Y	N
3.c. Glider is constructed only using wood, foam, paper, plastic film, carbon fiber, tape, thread, and/or glue.	Y	N	Y	N
3.d. Ballast is made of malleable non-metallic substance.	Y	N	Y	N
3.f. **The mass of the glider throughout the flight is ≥ 3.5 g and ≤ 10.0 g**	Y	N	Y	N
3.g. **Wingspan does not exceed 30.0 cm** at any time.	Y	N	Y	N
3.h. The blunt nose of the fuselage, when inserted into a lip balm cap, does not touch the end.	Y	N	Y	N
GLIDER MET ALL PARAMETERS ABOVE	**1. Y**	**N**	**3. Y**	**N**
Bonus:				
5.b. The glider's fuselage can straddle a 32 cm opening (i.e., longer than 32.0 cm)	**2. Y**	**N**	**4. Y**	**N**

Flight Log:

5.d-e. Is flight log complete, incomplete or not present? (Circle one)
Complete means including 4 or more parameters (including estimated/recorded peak flight height after launch, approximate length of elastic, Flight Time) for 10 or more test flights prior to the competition.

5. Complete
Incomplete (10% deduct.)
Not present (30% deduct.)

5.c. Did the team begin its 5-minute Flight Period in 1 minute or less? **6. Y N**

OFFICIAL FLIGHTS:

	1st Flight	2nd Flight	3rd Flight	4th Flight	5th Flight
Which glider above was used?	**7. A B**	**12. A B**	**17. A B**	**22. A B**	**27. A B**
Additional Parameters:					
3.i. The launch handle(s) is ≤ 1 m long in any orientation, is supported completely by a participant, and is of a safe configuration. The elastic used in the launch handle is non-metallic and is in contact with the glider throughout the launch, and remains on the launch handle.	Y N	Y N	Y N	Y N	Y N
4.b. Participants wear eye protection at all times and 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.	Y N	Y N	Y N	Y N	Y N
4.g. Glider is launched from a launch handle by a single participant at floor level.	Y N	Y N	Y N	Y N	Y N
4.n. Glider is launched while aimed at the ceiling.	Y N	Y N	Y N	Y N	Y N
4.o. Participants do not steer their glider during the flight.	Y N	Y N	Y N	Y N	Y N
FLIGHT MET ALL PARAMS. ABOVE	**8. Y N**	**13. Y N**	**18. Y N**	**23. Y N**	**28. Y N**
Flight Time: Timer 1	**9.__ m_____.__ s**	**14.__ m_____.__ s**	**19.__ m_____.__ s**	**24.__ m_____.__ s**	**29.__ m_____.__ s**
Timer 2	**10.__ m_____.__ s**	**15.__ m_____.__ s**	**20.__ m_____.__ s**	**25.__ m_____.__ s**	**30.__ m_____.__ s**
Timer 3	**11.__ m_____.__ s**	**16.__ m_____.__ s**	**21.__ m_____.__ s**	**26.__ m_____.__ s**	**31.__ m_____.__ s**

General Rule: Disqualified (notify the team and their coach as soon as possible) **32. Y N**

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