

National Science Olympiad 2010 - Egg-O-Naut C

This is to be used with the excel spreadsheet found at www.soinc.org

Team Number: C__ Team Name: _____

Student Names: _____ Final Score: _____

Do not write below this line.

Safety Requirements

Egg-O-Naut 1 Egg-O-Naut 2

Rocket is made out of a 2-liter plastic carbonated beverage bottle 1. Y N 18. Y N

Label is present (May be removed from bottle) 2. Y N 19. Y N

Structural integrity of the pressure vessel is not altered 3. Y N 20. Y N

No metals have direct contact with pressure vessel 4. Y N 21. Y N

No sharp or pointed metal components or a leading surface consisting of a rigid spike is used 5. Y N 22. Y N

All energy at launch originates from the water/air pressure 6. Y N 23. Y N

Wearing safety goggles (Received only 1 or no warning) 7. Y N 24. Y N

Construction Requirements

No commercial model rocket parts are used 8. Y N 25. Y N

No parts added to the bottle within 5 cm of the flange on the bottle's neck 9. Y N 26. Y N

The egg is easily removable (not attached to other material with glue/tape) 10. Y N 27. Y N

All recovery systems are in their lowest energy state at launch 11. Y N 28. Y N

Any detachable portion of the rocket is a different color from the rocket 12. Y N 29. Y N

Score

Timer 1 (in seconds to the nearest 0.01 second) 13. _____ 30. _____

Timer 2 (in seconds to the nearest 0.01 second) 14. _____ 31. _____

Timer 3 (in seconds to the nearest 0.01 second) 15. _____ 32. _____

The Egg-O-Naut or portion of the rocket containing the egg completely detaches from the pressure vessel 16. Y N 33. Y N

Egg-O-Naut is retrieved and survives 17. Y N 34. Y N

Disqualified (notify the team and their coach as soon as possible) 35. Y N