

Judging Criteria:

1. Lander Performance - Max 50 pts

- (a) Did the egg break? (20 pts). (Points will be deducted for cracked eggs, depending on the damage.)
- (b) Did the Lander touch down right side up (hatch accessible), as a real Lander should? (10 pts).
- (c) Did the Lander break or was it damaged? (20 pts). (Points will be deducted depending on the damage.)

2. Lander Construction - Max 50 pts

- (a) Did students meet the maximum weight, size and material requirements (10 inch x 10 inch x 10 inch), using wood, aluminum, plastic, foam etc (10 pts)
- (b) Does the design of the Lander appear to be based on sound engineering principles? (10 points).
- (b) Judges will score points based on their evaluation of students: quality of workmanship; Lander color and art design; use of logos (school, Space Florida, NASA, space-themed), and Lander interior design/decoration. (Max 30 points).

3. Team Performance and Judges Evaluation: Max 100 pts

- (a) Was the oral and tri-fold board presentation by the team leader and other team members to the judges prior to the egg-drop, logical, concise and organized? (30 points)

Note: No power-points required, tri-fold presentations OK. This will be an informal briefing to the judges with the other team members and advisor present.

- (b) Judges will evaluate the students' overall teamwork, work skills, skit, theme, costume or uniform (30 pts).

Note: Themes, skits and costumes must broadly be based on space/science/ or aerospace themes. Students may use themes from the past, present or be futuristic in nature.

- (c) Were the team members able to cite NASA or other scientific research used for the Lander project; present evidence of scientific method in design and building of their Lander; Were teams able to explain the rationale behind the science, engineering and mathematics of the construction process? (Max 30 pts)
- (d) Did the team show professional courtesy to other competing teams and observe Event Organizers and directives? (10 pts)