

MARS LANDER CONTEST

Objective:

Build the lightest "mars lander" from limited materials that can carry two eggs and survive a free fall onto concrete.

Rules:

- Work in teams of two students. Sign up your team.
- You may ONLY use the following materials: straws (disposable), rubber bands, toothpicks, paper clips, binder paper, small sandwich bags, Dixie cups (less than 2.5" tall), hot glue, and duct tape. NO other materials may be used.
- NO duct tape or hot glue may be used on the eggs. These materials are OK on other parts of the lander, but not on the eggs themselves.
- You must be able to open your lander to put the eggs in and take them out.
- The eggs will be standard large eggs supplied by your teacher.
- Landers will be impounded at the start of the period on test day – no building during class.

Scoring:

- The mass of the lander will be measured without the eggs in it.
- Landers will be dropped from the top of the visitor's bleachers at the stadium.
- Score = (100 for each protected egg) – (Lander Mass in grams).
- An egg is successfully protected if it has no visible breaks, cracks, or leaks.
- Scores less than 0 will be counted as 0.