

2014 Egg Crash Vehicle Performance Grade Sheet

Team Member or Individual	
1.	2.
Date:	Hour:

Challenge:

To design and construct a complete vehicle for other companies using a restraint system and safety features to protect an occupant from a head on collision and/or rollover accident while using the appropriate materials that will safely carry an uncooked egg (driver) over a given distance at a minimum specified rate of speed determined by the instructor without causing injury (cracked egg) or death (broken egg) to the driver upon impact with a barricade (concrete block) or another vehicle.

Requirements: *Deduct 10 points per missing item* (Check all that apply)

- The vehicle must have the first three components to qualify for testing:
 - Frame (suspension optional)
 - Interior (seat, seatbelts, protection suit, etc.)
 - Body (hardtop or convertible)
- The vehicle must be no longer than 15" in length including all bumpers and safety equipment.
- Vehicle must have some type of a front bumper system.
- The vehicle must have 4 wheels.
- The vehicle must fit within the limits of the ramp supplied by the instructor.
- The vehicle must carry an uncooked egg (driver).
- The egg must remain securely in the vehicle at all times.
- Egg must be placed vertically in vehicle.
- Egg cannot be glued or taped in the vehicle.
- The driver must have an unobstructed 180° field of vision out of the front and sides of the vehicle.
- One-half (½) of the egg must be visible.
- Egg must be restrained by a seatbelt or seatbelt system.
- Egg must be removed from car within 15 seconds after crash.

Points:

Above Rules Total: (150 pts) _____

Time in Seconds: (50 pts) 1. _____ 2. _____ 3. _____

Note: Must achieve at least 5 mph (2.18 seconds)

Egg Survival: **Yes** (100 pts) **Cracked** (80 pts) **No** (50 pts) _____

Extra Credit: (up to 50 pts) _____

Total Points: (300 pts) _____

Letter Grade: _____