

Egg Crash Vehicle Checklist

Name: _____ Start Date: _____ End Date: _____ Block: _____

Challenge:

To design and construct a vehicle using appropriate materials that will safely carry an uncooked egg (driver) over a given distance down a ramp without causing injury (cracked egg) or death (broken egg) to the driver upon impact with a barricade (cinder block).

Scoring Rules: *Ten (10) points will be deducted per missing / incomplete item*

Item	Mandl's Initials	Points Earned
1. Automobile Frame Research Assignment	_____ _____
2. Interior Safety Research Assignment	_____ _____
3. Crash Testing Research Assignment	_____ _____
4. Design Concept Worksheet Sketches	_____ _____
5. Egg Crash Vehicle has Wooden Frame	_____ _____
6. Egg Crash Vehicle has Required Interior	_____ _____
7. Egg Crash Vehicle has Passenger Restraint	_____ _____
8. Egg Crash Vehicle has Defined Body Style	_____ _____
9. Egg Crash Vehicle is 12 inches or Shorter	_____ _____
10. Egg Crash Vehicle has Front & Rear Bumpers	_____ _____
11. Passenger has 180° Field of View	_____ _____
12. Passenger Survived Head-on Crash Test	_____ _____
13. Passenger Survived Roll-over Crash Test	_____ _____
14. Passenger Survived Rear-end Crash Test	_____ _____
15. Teamwork and Participation Grade (60 points)	_____ _____
 Egg Crash Project Point Total (200 Possible)	_____ _____