

MOTOR VEHICLE COLLISIONS



Image Source: Transport For NSW, 2019, CC BY-SA 4.0,
<https://commons.wikimedia.org/wiki/File:Crash-test-with-airbag-and-safty-belt.jpg>

Every year, car crashes result in:

- 1.3 million deaths globally
- 20-50 million injuries

Engineers are essential to our health and safety!

STAYING SAFE: BUCKLE UP PSA!



Video Source: IMMI, 2014, YouTube, <https://www.youtube.com/watch?v=fzbCeVQqrxA>

CREATIVE CRASH TESTING CHALLENGE

Today, you will be next-generation engineers.

Your team's challenge:

- Using the Engineering Design Process, come up with the next best design for a vehicle passenger compartment and/or safety features to keep the “passenger egg” safe during a front-end collision, with minimal vehicle damage.

Make sure to follow each step and answer each question in your Creative Crash Testing Worksheet!

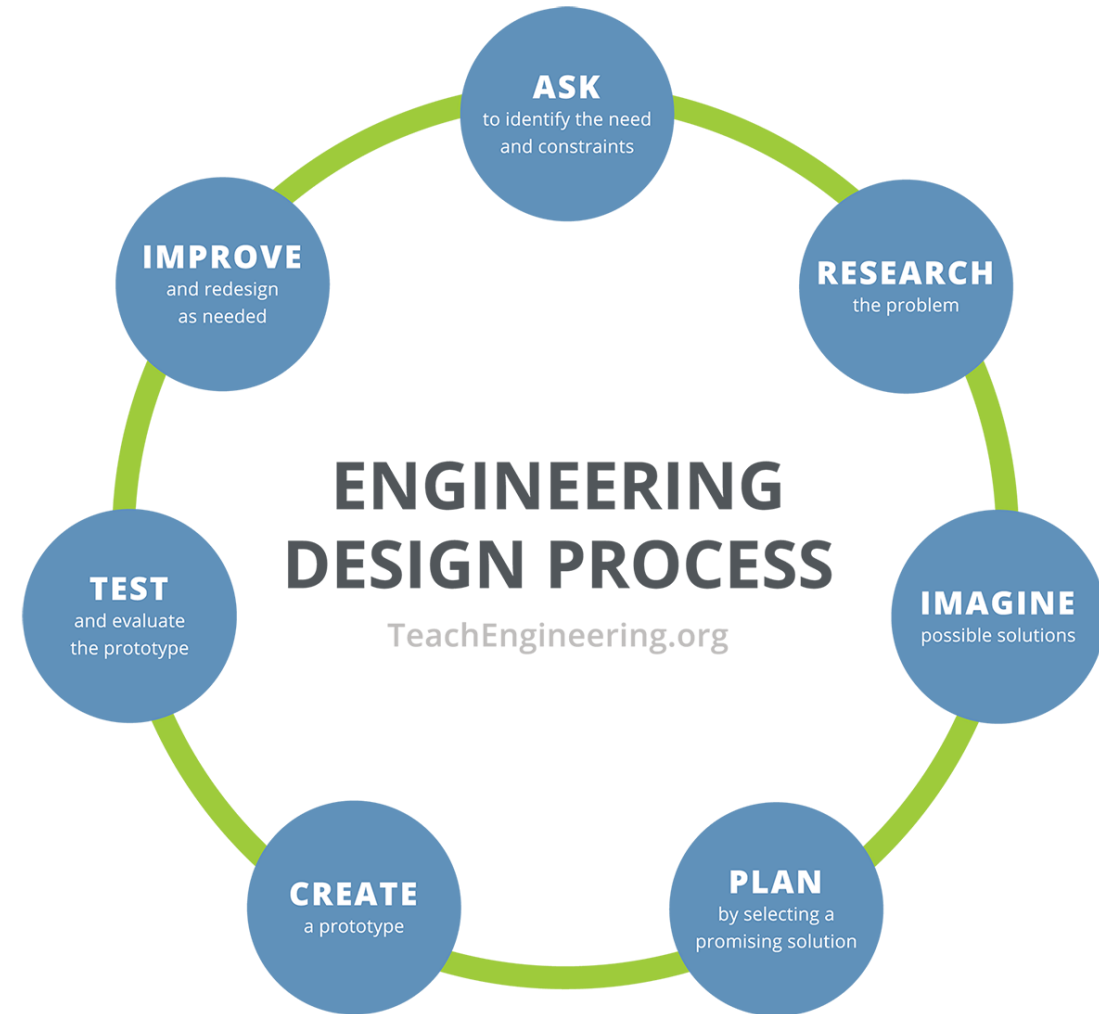


Image Source: TeachEngineering,
<https://www.teachengineering.org/populartopics/designprocess>