



UNDERSTANDING CAR CRASHES: IT'S BASIC PHYSICS

PENNY FOR YOUR THOUGHTS ON INERTIA

IIHS in the Classroom NGSS Standards Alignment

Middle School

MS-PS2-2

Plan an investigation to provide evidence that the change in an object's motion depends on the sum of the forces on the object and the mass of the object.

Grades 3-5

3-PS2-1

Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.

5-PS1-3

Make observations and measurements to identify materials based on their properties.

5-PS2-1

Support an argument that the gravitational force exerted by Earth on objects is directed down.

3-5-ETS1-1

Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.