

## Duchesne's Car



### Directions:

After hearing and visualizing Mrs. Duchesne's car accident, students will write or orally explain each of Newton's Laws to Mr Veayo concerning the crash. Students will use some of the terms below:

inertia, force, mass, energy, acceleration, friction, crumple zone, airbag, seatbelt, child seat, and momentum.

1. An object at rest will remain at rest unless acted on by an unbalanced force. An object in motion continues in motion with the same speed and in the same direction unless acted upon by an unbalanced force.

This law is often called "the law of inertia".

2. Acceleration is produced when a force acts on a mass. The greater the mass (of the object being accelerated) the greater the amount of force needed (to accelerate the object).

3. For every action there is an equal and opposite re-action.

<http://teachertech.rice.edu/Participants/louviere/Newton/index.html>