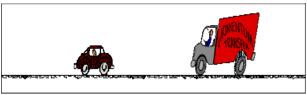
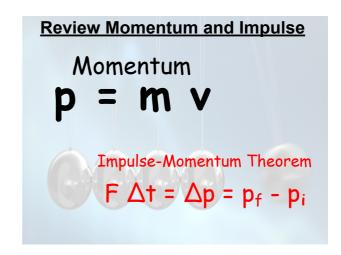
Conservation of Momentum: Collisions	
Learning Target	Description
9.2	I can define, interpret, and solve problems involving the Law of Conservation of Momentum.
9.3	I can define, analyze, and solve problems involving two particle collision.

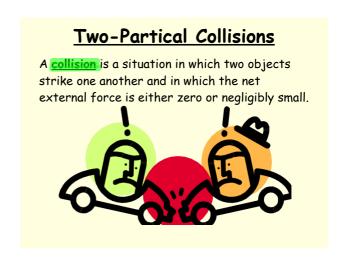




Conservation of Momentum

If the net external force acting on an object, or system, is zero, its momentum is conserved.

p_i = **p**_f



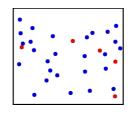
2 Types of Collisions

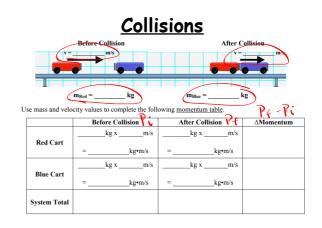
Sticky

<u>Inelastic collisions</u> are when objects stick together on impact.

Bouncy

<u>Elastic collisions</u> are when objects bounce, and do not stick together on impact.





PHYSICS 1 1

HOMEWORK

Collisions Interactive

- Physicsclassroom.com
- Interactives
- Momentum and Collisions
- Collision Carts

PHYSICS 1 2