

Newton's Laws Posters

You will need to show your knowledge of all Newton's Laws within a specific scenario.
Newton's Laws are:

1st Law – Objects at rest or in motion, stay at rest or in motion unless an unbalanced force acts upon it.

2nd Law – Acceleration (or movement) depends on the net force acting on the object and on the object's mass.

3rd Law – For every action there is an equal but opposite action.

Here are the scenarios you can choose from:

- Riding on a skateboarding
- Riding on a rollercoaster
- 2 objects hitting each other (NOT involving cars though)
 - 2 coins hitting each other
 - Punching a punching bag
- Riding a bicycle
- Any sport
- Levers
 - Opening a can of soda
 - A teeter-totter
 - Raising a car with a car jack
- Air Hockey
- Billiards
- Bowling
- Shooting a rifle/shotgun/
bow and arrow

*****NOTE*** If you have a scenario you would like to use, and it is NOT on this list, it needs to be approved BEFORE YOU START YOUR POSTER!!!!!!!!!!!!**

GRADING

In your scenario, you must describe in pictures and words how each Law is demonstrated as well as forces of friction. As a class, we will do shooting a cannon as an example:

1st Law:

3rd Law:

2nd Law:

Forces of friction: