

Bill Nye - Laws of Motion

Name: Key

1. Forces put things in motion.
2. When you place the scooter on the track, it just sits still unless we give it a push.
3. If something is at rest, or sitting still, its stays sitting still unless acted on by an outside forces.
4. When something is moving, it keeps Moving unless acted on by an outside force.
5. Inertia is a property of matter.
6. A larger anvil object is harder to move. The anvil has a lot of inertia.
7. The card slides out so easily that it doesn't affect the quarter's inertia.
8. First Law of Motion:
object at rest stays at rest
object in motion stays in motion } unless acted upon by external force
9. Second Law of motion:
$$F = ma$$
10. Third Law of motion:
For every action there is equal & opposite reaction.
11. We measure mass in grams or kilograms.
12. With zero gravity, do the laws of motion still apply? Yes!!