

Movement Review Questions

True/False Game:

1. Your teacher is Mr. _____. {false}
2. A force is needed to make something move. {true}
3. Spinning is a type of movement {true}
4. Things only move if you push them. {false – a pull also causes movement}
5. A fulcrum can be at the end of a lever. {true – it can be anywhere on the lever}
6. Things move down all slopes the same. {false – bigger slopes make things move faster and easier}
7. Different balls bounce at different heights. {true}

Simple Machine Card Questions:

1. A grooved wheel that holds a rope. {pulley}
2. A slanted surface. {inclined plane}
3. A bar to move things. {lever}
4. A slanted side that ends in a sharp edge. {wedge}
5. An inclined plane that goes in a spiral. {screw}
6. Something that makes it easier to push or pull something. {wheel and axle}
7. A crowbar. {lever}
8. A knife. {wedge}
9. A ramp. {inclined plane}
10. A scooter. {wheel and axle}
11. A flag pole. {pulley}
12. A light bulb. {screw}

Group Questions:

1. What simple machines are on a bike? {Wheel and axle, lever (pedals), pulley (gears), screw}
2. How does a bike make life easier? {go faster, go further, use less effort}
 - Talk about listing multiple points, not just short one point.
3. How do simple machines help humans? {easier to: lift, move and do work}
4. How are simple machines bad for humans? {makes them lazy (car), become dependant, get less exercise}
5. How do simple machines affect the environment? {pollution, use energy to make them, used to cut down trees, go to dump when done}