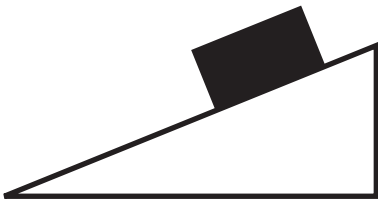


## THE SIX SIMPLE MACHINES



INCLINED PLANE

**INCLINED PLANE**

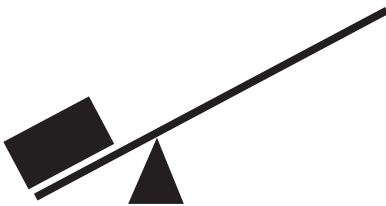
An inclined plane is a slanting surface connecting a lower level to a higher level. By rolling or pushing an object up it, you can move the load with less work. A ramp is a great example of an inclined plane.



WEDGE

**WEDGE**

A wedge is an object with at least one slanting side, ending in a sharp edge. It can hold an object in place or force pieces apart. A doorstop is a wedge used to keep a door in place, while an axe forces wood to separate.

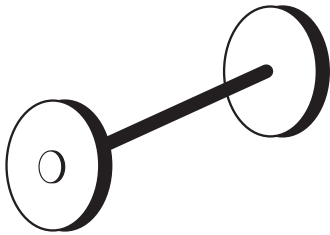


LEVER

**LEVER**

A lever is a bar that rests on a support called a fulcrum, used to lift or move loads. A lever can range from a seesaw, to a wheelbarrow, to a baseball bat.

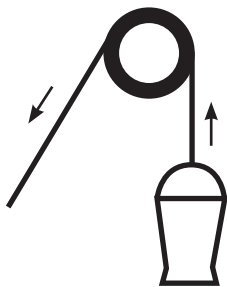
## THE SIX SIMPLE MACHINES



WHEEL AND AXLE

**WHEEL AND AXLE**

A wheel with a rod (called an axle) through its centre that lifts or moves loads. This reduces friction and allows an object to move smoothly. Cars and doorknobs are examples of this machine.



PULLEY

**PULLEY**

A pulley is a simple machine that uses grooved wheels and a rope to raise, lower or move a load. The more wheels and rope you use, the less energy you need to move the object. Some examples of pulleys are clotheslines and cranes.



SCREW

**SCREW**

A screw is an inclined plane wrapped around a pole that holds things together or lifts materials. A plastic bottle cap is a type of screw.