

**TWIST AND TURN!**

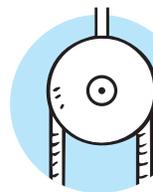
# The Six Simple Machines

Simple machines are devices that change the direction or magnitude of a force.



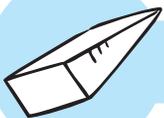
**Inclined Plane**

a flat surface tilted at an angle  
e.g. ramps, slides



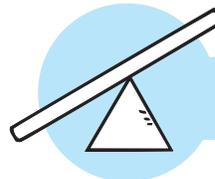
**Pulley**

has a grooved wheel and a rope that runs over the wheel  
e.g. construction cranes, elevators



**Wedge**

has a slanting side and a sharp edge  
e.g. door stoppers, nails, knives



**Lever**

a straight beam that moves around a fixed point  
e.g. see-saws, crowbars



**Wheel and Axle**

a wheel that rotates along with the axle; gears being a type of wheel and axle  
e.g. doorknobs, car wheels



**Screw**

a cylindrical shaft with angled ridges wrapped around it  
e.g. drills, twist caps