

Simple Machines

MACHINE- A device that makes doing work easier.

SIMPLE MACHINE- The simplest mechanisms that use mechanical advantage to multiply force.

FORCE- An interaction with an object that will change the motion of the object.

ENERGY- The ability to exert a force in order to do work.

WORK- A force is applied to an object and that object is displaced.

FRICTION- The resistance to motion that occurs when one object moves over another.

INCLINED PLANE- A flat surface tilted at an angle, used for lowering or raising a load.

WEDGE- Used to separate two objects or portions of an object, lift up an object, or hold an object in place.

SCREW- An inclined plane wrapped around a central axle or pole. Can be used to tighten, loosen, lift or lower an object.

LEVER- A beam that pivots on a fixed hinge or fulcrum.

WHEEL AND AXLE- Two connected rings or cylinders, one inside the other, which both turn in the same direction around a single center point.

PULLEY- A cable wrapped around a wheel and axle used to lift or move heavy loads.

