

Simple Machines: Pulley

Pulley

A pulley is a type of simple machine that uses a wheel with a groove in it and a rope. The rope fits into the groove and one end of the rope goes around the load. You pull on the other end. The pulley helps you to move the load or change direction of the force.

Activity: Tie a rope onto a heavy object. Try to lift the object with just the rope. Next, string the rope over a doorknob and pull down on the rope.

Compare lifting the object with the pulley and without the pulley.

Is it easier to lift an object with the use of a pulley or without?

