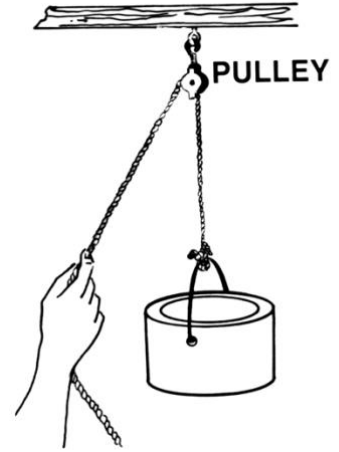


Age: 5+

P is for...Pulley

What is a pulley? A pulley is a wheel on an axle that supports movement and the change of direction on a rope or belt. It is also used to guide the rope/belt to exert force.



Pulleys are used in many ways:

- Blinds on a window use a pulley system to move the blinds up and down.
- Pulleys are used in construction to lift and place heavy materials
- Curtains at a movie theatre use a pulley system

Activity: Create a pulley system

Materials:

- Wheel (inexpensive pulley wheel can be found online or a hardware store)
- Rope or string
- Something to tie onto the rope (Examples can include a toy, stick, pen, etc)

Instructions:

- Run the string/rope through the pulley
- Attach something to the end of the pulley by knotting it
 - I.e. A bucket with a toy in it or a tie a favorite toy to the end
- Next, set up the pulley on a hook overhead
- Next, pull the string closer to you



- What happens to the items on the other end?

To learn more about this lesson, please visit:

<https://sciencestruck.com/list-of-examples-of-pulleys-in-our-daily-life>