



Pulleys



PULLEYS VIDEO

A few quick notes on pulleys:

- Pulley – a grooved wheel with a rope or cable around it.
- Fixed pulley – a pulley that stays in place and turns as the cord moves over it.
- Moveable pulley – a pulley that is able to move with the load being raised (when a pulley is attached to the load)

How do pulleys help us?

▶ **Pulleys change the direction of a force.**

Pulleys help us to move things up, down or sideways by changing how we apply force.



How do pulleys help us?

Also, the more pulleys I use, the less force I need.



Can you think of examples of pulleys?



YOUR TURN!!

Make your own pulley



EXPERIMENT!

- You must lift an object from the ground to the seat of a chair .
- You may use:
 - Classroom materials
 - Recycling materials
 - A long piece of string.
- You must document your progress and complete the reflection questions provided.