



Oh I do Like to be Beside the Seaside!

How can I use a pulley system in my design?

Health and Safety—How do I ensure I am being safe?



- Stand up with your chair pushed in when cutting or hammering.
- Do keep the noise level down

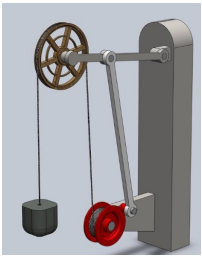
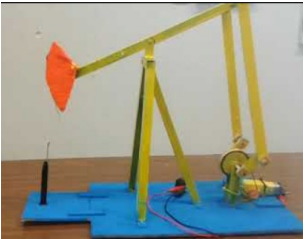
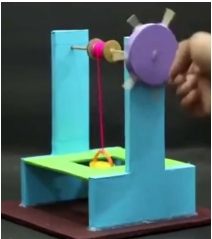
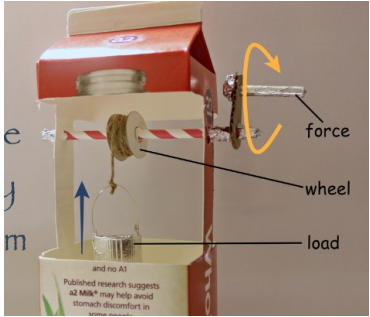


- Walk around the classroom—especially whilst holding tools.
- Shout out in class. It needs to be a clam atmosphere
- Touch the hot glue.

Key Vocabulary

- Annotated sketch** A detailed sketch with labels
- Cross section** A surface or shape exposed by making a straight cut
- Exploded diagram** A technical drawing showing how parts fit together.
- Prototype** An early sample model of a product.
- Functional** The product can be used for the purpose it was made.
- Appealing** The product looks good so people wish to use
- Pulley** A simple machine that helps you life something using a wheel.

What do I want my design to look like?



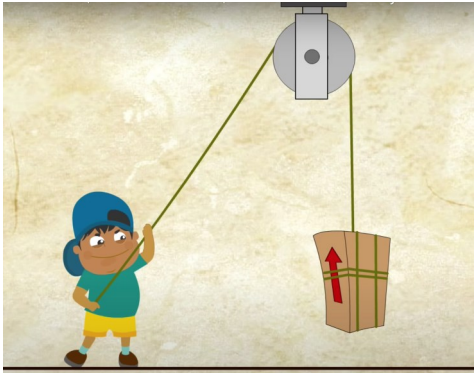
Tools

- Glue Gun
- String
- Wheels
- Cellotape
- Blue tack



What is the purpose of a pulley?

(Use your science knowledge organiser for more information)



- Pulleys can make a small **force** lift a heavier load.
- The more wheels in a pulley, the less **force** is needed to lift the **weight**.

Pulleys used in real life

