

Sticky facts to know and remember

- A machine is a mechanical device which changes the size or direction of a force.
- A pulley is used to reduce the time and energy taken to lift heavy objects.
- Types of pulleys include: a flagpole, well, lift.
- Load: The weight (force) of an object that is being moved.
- Effort: The amount of force being used to move the object.

Key Vocabulary

Weight

Effort

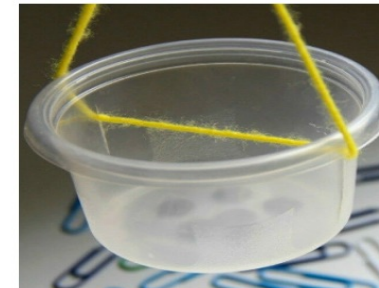
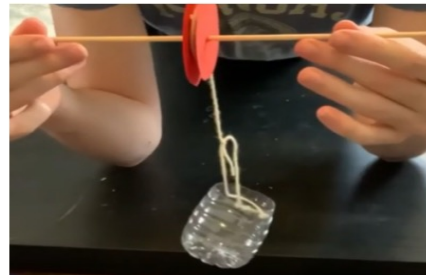
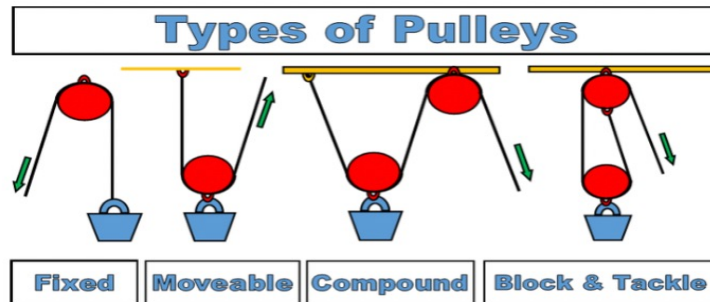
Load

Pulley

Slope

Goods

transporter



Design

Make

Evaluate

Sticky facts to know and remember

- Pulley systems are made from 2 pulley wheels attached to a drive shaft with a drive belt joining them.
- A drive belt (elastic band) pulls on a pulley wheel to make it turn.
- To change the speed of the turn, change the size of the pulley wheel.
- A switch is a device for making and breaking the connection in an electric circuit. Eg, light switch
- An electric motor is an electrical machine that converts electricity into mechanical energy.
- British Inventor developed the first carousel in 1861 – Thomas Bradshaw.



Design



Make

Key Vocabulary

Rotation

Spindle

Drive shaft

Pulley

Drive Belt

Pulley wheel

Motor

Switch

Circuit

Carousel

Evaluate

Sticky facts to know and remember

- Popular British meals include: stew, fish and chips, roast dinner, English breakfast and cottage pie.
- Bread is the product of baking a mixture of flour, water, salt, yeast and other ingredients.
- Basic process involves mixing of ingredients until the flour is converted into a dough.
- Yeast is the ingredient which makes bread rise.
- Proofing is the leaving of dough to let it rest and rise.
- Kneading the dough is important as it makes the bread light, airy and chewy.



Design

Make

Evaluate

Key Vocabulary

Meal
Ingredients
Shaping
Kneading
Proving
Yeast
Dough
grain
crust