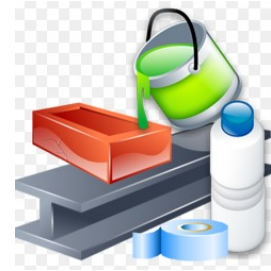


Science: Properties of changes and materials

- ◆ A property is a characteristic or trait that you can use to describe matter by observation, measurement or combination.
- ◆ There are various properties, such as; state, transparency, hardness, electrical conductivity and magnetism.
- ◆ Mixing materials together forms a mixture where two or more substances are physically but not chemically combined and can be separated by physical methods.
- ◆ Mixtures can be separated through concepts such as; sieving, filtering and evaporating.
- ◆ If a solid dissolves in the liquid, a solution is formed.

Properties of changes



Dissolving solid into a liquid



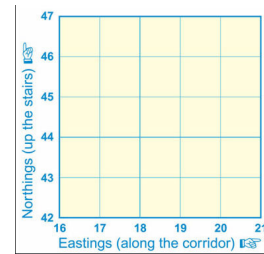
Vocabulary

properties	hardness
gas	electrical
materials	conductivity
matter	magnetism
observation	substances
measurement	combined
combination	separated
state	solution

Geography: Geographical Skills

- ◆ Co-ordinates are a set of numbers that specify and identify a place on a map.
- ◆ Co-ordinates also can help you to plan routes, as you can easily specify where you are talking about, how to interpret locations on a map and plot these.
- ◆ You can also identify geographical features using grid references.
- ◆ There exists four and six figure grids references to locate features on a map.
- ◆ You will be identifying geographical features using grid references of the Alchemy Island map.

Co-ordinates



Locating features on a map Grid references



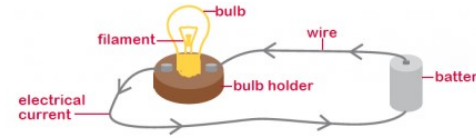
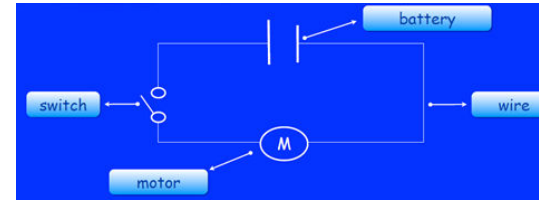
Vocabulary

maps	co-ordinates
country	North
compass	East
grid	South
reference	West
a-axis	mountains
y-axis	the Alps

Design Technology: Key Knowledge

- ♦ Electricity is an energy. This energy can be used to power electrical systems through circuits.
- ♦ A simple series circuit is a circuit for electricity to flow around.
- ♦ A series circuit is comprised of switches, bulbs, buzzers and motors.
- ♦ You can build a homemade circuit using card, copper ribbon, coin batteries and LED light bulbs.
- ♦ Conductive materials are needed for a circuit. A conductor is an object or type of material that allows the flow of charge in one or more directions.

Components of a circuit



Vocabulary

technical	conductor
investigate	battery
systems	switch
circuits	prototype
materials	accurate
buzzers	motor

Religious Education: Sikhism

- ♦ Sikhism is a monotheistic religion, meaning a religion that believes in one god. The followers are called 'Sikhs' and their holy book is the Guru Granth Sahib.
- ♦ The Guru Granth Sahib teaches Sikhs how God wants them to live their lives. They show it great respect as they believe it is the Sikh's last Guru (great teacher).
- ♦ Popular Sikh stories include; Guru Nanak and the Jasmine Flower, Bhai Lalo and Malik Bhago, Vaisakhi—Birth of the Khalsa and Guru Nanak and the Cobra.

Khanda (Sikh symbol)



Guru Grant Sahib

Vocabulary

Sikhism	Holy
monotheistic	Guru Granth Sahib
Khalsa	Guru
God	Guru Nanak
great teacher	

Material World: Crash Course



4 figure grid references



Electrical circuits: series and parallel



What is Sikhism?

