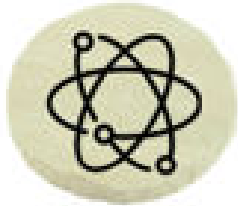


investigation

physics



Year 4 - Science

Sound



Key Vocabulary

eardrum

A part of the ear which is a thin, tough layer of tissue

soundwave

Make the eardrum vibrate

vibrations

A quick movement back and forth

amplitude

The size of a vibration

A larger amplitude = a louder sound

soundproof

To prevent sound from passing through

Sticky Knowledge

Sounds get fainter as the distance from the sound source increases

Sounds get louder as the distance from the sound

Links to Previous Learning

KS1 -

Various surfaces make sounds under our feet

Materials make sounds when struck (Music)

Identify where sounds originate from

Some sounds are not the same as others

Explore making sounds

investigation



physics



Year 4 - Science

Electrical Circuits

(Terms 2 and 3)

Key Vocabulary

battery

A container consisting of one or more cells

components

A part of a larger whole

buzzer

An electrical device that makes a buzzing noise

motor

A machine powered by electricity

cell

A device that converts chemical energy into electrical energy

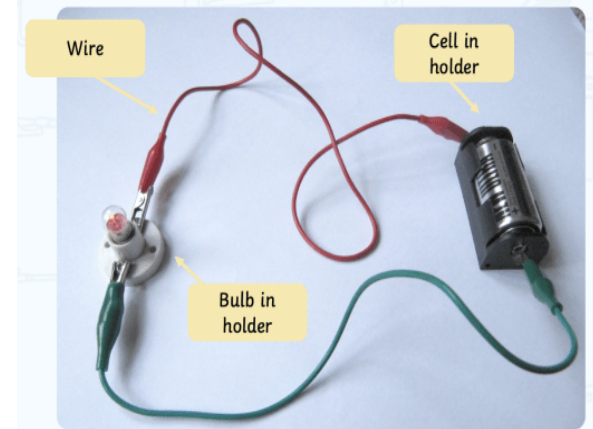
Sticky Knowledge

The electrical current flows through the wires from the cell to the bulb, motor or buzzer.

Silver is the best conductor of electricity among metals.

The most effective insulator is polystyrene.

A simple circuit



Links to Previous Learning

EYFS—Exploring electricity

Year 3— Recognise that some objects use electricity to work
Construct simple circuits

God & Believing



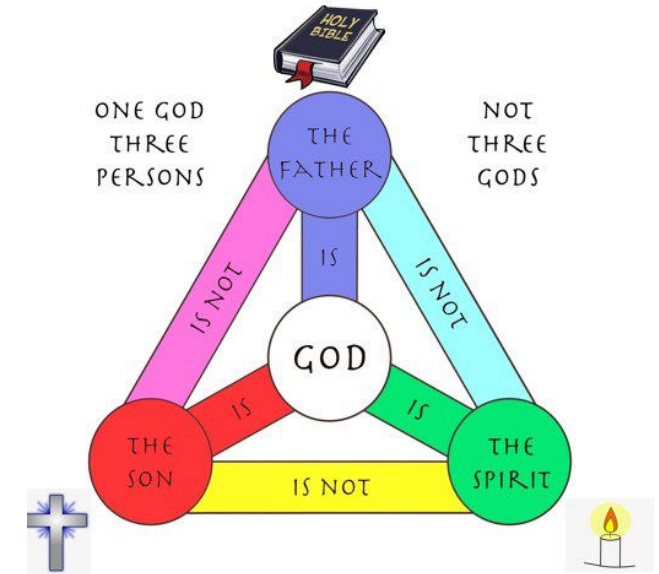
Religious Sources



Thinking and reality

Year 4 - RE

Incarnation -



Key Vocabulary

Trinity

There is one God who is the Father, Son, Holy Spirit

Holy Spirit

The spirit of God

gospel

The teachings of Christ

incarnation

A person who embodies in the flesh

prophecy

Sticky Knowledge

The Trinity is 1 God in 3; The Father, The Son and The Holy Spirit

The gospels spread the "Good News" of Jesus through His

Links to Previous Learning

Y3 - What makes up The Trinity?

Worships - Eucharist, Lord's prayer, lighting the candle

Historical
influencers



evidence



Year 4 - History

British Heroes



Mary Seacole

Key Vocabulary

courageous

Able to face and deal with danger

determination

The act preserving

moral

Principles of right and wrong

self-Sacrificing

Willing to go without for the sake of others

gallant

Displaying dignity or nobility

Sticky Knowledge

The work of Florence Nightingale and Mary Seacole have influenced how hospitals are run today

Links to Previous Learning

KS1 - Significant British History Heroes e.g. Florence Nightingale, Samuel Pepys

Y3 - What are heroes?
Historical heroes from the past

physical



human



Year 4 - Geography

Impact of



Key Vocabulary

disaster

Something that causes damage

preparing

Action or process of organising in advance

adapt

Change according to the surrounding environment

impact

The effect or influence on a country

Sticky Knowledge

Disasters occur more frequently near plate boundaries

Weather and climate change have an impact on the increase of disasters

Links to Previous Learning

Yr 1/2 - Name and locate countries in the world using maps

Y3 -
What are disasters and where do they happen?

Newsround - Real global issues

media



Colour



Year 4 - Art Watercolours



Key Vocabulary

techniques

Skills needed to carry out a task

sketching

A rough drawing or painting

dry brush

Brush work done on the dry surface of the paper

flat wash

Brushing strokes of colour on a dry or wet surface

graduated wash

Sticky Knowledge

Dry brush, flat wash and graduated wash are all watercolour techniques

Links to Previous Learning

KS1 -

Use watercolours to create an effect

Y3 -

Colour wheel

Watercolour techniques using brushes (splatter and stippling)
Artists - Monet's painting styles

mechanism

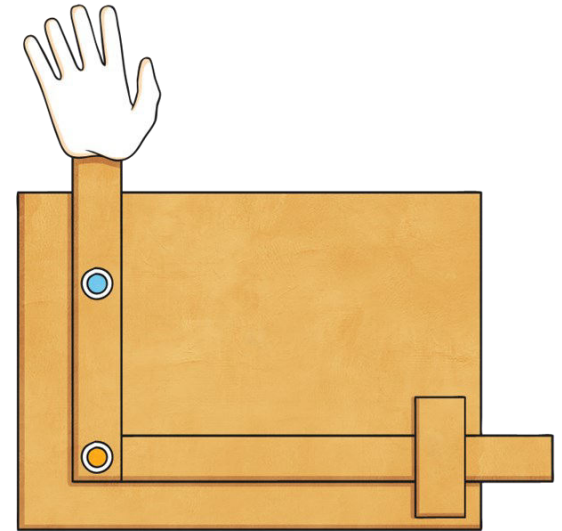


materials



Year 4 - DT

Linkages & Hinges



Key Vocabulary

hinge

A moveable joint or mechanism which opens and closes or connects linked objects

lever

Stiff bar which moves around a pivot

pivot

To turn on a central point

motion

Movement from one place to another

Sticky Knowledge

Hinges enable an object to open and close e.g. a door

Linkages join levers to produce movement e.g. a clothes dryer

Links to Previous Learning

KS1 - Making cards with 3D and pop up elements

Y3 - sliders and Levers



multimedia



Year 4 - Computing Creating Media



Key Vocabulary

input

Equipment that helps enter data into a computer

output

Equipment used to send data from one device to another

audio

Recorded sounds

podcast

A digital audio file available on the internet

import

Documents/files/digital items that a person has transferred from one programme to another

Sticky Knowledge

Computers record audio and have a function to enable Editing
A podcast is a digital audio file

Links to Previous Learning

Y 1-technology around us

Y2-digital music

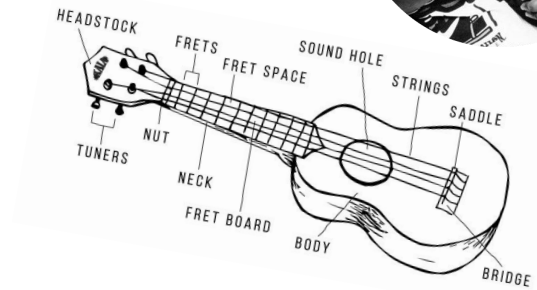
Y3 - Input (keyboard) and output (speakers) devices

notation genre



Year 4 - Music

Musician of the Term Stephen Schwartz



Key Vocabulary

fret

Thin strips of metal set in the neck used to change the notes

chords

A combination of notes played in harmony

genre

The classification of a piece of music

notation

A written system of notes

strumming

Running fingers over all or some of the strings in a rhythm

acoustic

Sticky Knowledge

Israel Kamakawiwo'ole is a famous Hawaiian singer and ukulele player

His genres of music include jazz and

Links to Previous Learning

Y3 - Recorders / Glockenspiels (notation, performing simple songs using B,A,G notes)

KS1 - Playing untuned