

investigation



chemistry



# Year 4 - Science

## Rocks and Fossils

(Term 1)



### Key Vocabulary

#### permeability

Having openings that allow liquids to pass through.

#### minerals

A solid substances that occur a naturally.

#### mould fossil

A fossil that forms an imprint of an organism.

#### cast fossil

Sediment that fills the mould and recreates the shape of the remains.

#### organic matter

Made of recomposed plants and animals.

### Sticky Knowledge

Rocks can be grouped according to their properties

Rocks can be classified into three main types which are igneous, metamorphic and sedimentary

Fossils are physical evidence of former life

### Links to Previous Learning

Year 1 -

Compare, group together and describe simple physical properties of everyday materials

Year 2 - Identify and compare the suitability of a variety of everyday materials

Year 3-Name and compare the properties of rocks.

Recall what soil is.

Describe how fossils are formed.

investigation

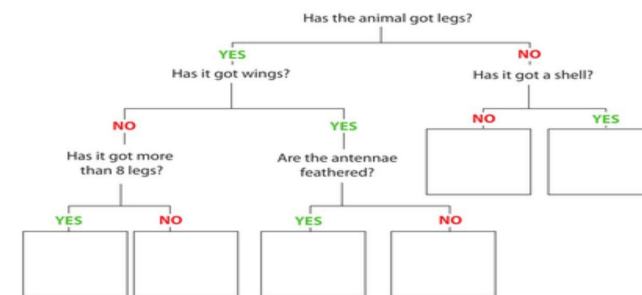


biology



# Year 4 - Science

## Living Things and Their Habitats



### Key Vocabulary

**invertebrate**

Any animal that lacks a backbone

**vertebrate**

Any animal that has a backbone.

**classification key**

Place organisms in to different categories or groups.

**migrate**

Move one region into another.

**organism**

An individual living thing such as a plant, animal or germ.

### Sticky Knowledge

Environmental changes will vary between habitats for different reasons

Conservation is to protect natural resources, forests, wildlife, plants, and biodiversity

### Links to Previous Learning

Year R-Compare different habitats. Explore animals and plants in our local environment.

KS1- Living, dead or not been alive. Understand why animals are suited to their habitat. Explore how animals gain their food.

Year 3-Understand what soil is. Identify the effect a change in environment has on living things.

# Year 4 - Music (Ukulele)

appraisal



instruments



## Sound of Music

Effect of instruments on a  
piece of music  
(Term 1)



### Key Vocabulary

**Gospel**

A style of Christian music that teaches messages of God.

**chord**

Three or more musical notes that are played out the same time.

**fret board**

One of the rigids set across the neck of a stringed instrument.

**headstock**

The top part of a ukulele that's located that is located at the end of the neck.

**finger picking**

A method of playing a stringed instrument with the thumb

### Sticky Knowledge

Instruments are classified by their properties.

The effect music has go us is personal.  
A ukulele has chords, a fret board and headstock.

### Links to Previous Learning

EYFS-Exploring music and emotions

KSI- Percussion and tunned instruments

Year 3-Instrument families



appreciation

artists



# Year 4 - Art

## Artists (William Morris)



### Key Vocabulary

**inspired**

To stimulate or influence by stirring.

**nature**

The physical world and living things in their natural state.

**appraised**

To judge the quality or nature of artwork.

**floral**

Made up of flowers.

**furnishings**

Articles of furniture in a living space.

### Sticky Knowledge

William Morris was an artist whose art work was inspired by nature.

He lived in the "Red house" in Bexleyheath.

His was famous for

### Links to Previous Learning

EYFS/KS1-Exploring artists and expressing opinions

Year 3-Sketching techniques

mechanism



design



engineers

# Year 4 - DT

## Construction Barriers



### Key Vocabulary

**foundation**

The stone or concrete structure that holds up a building from beneath.

**mechanism**

The whole or parts of a machine or device.

**barriers**

An obstacle that blocks the way.

**suitability**

Right for the situation or purpose.



### Sticky Knowledge

Engineers design and construct barriers.

A barrier is an obstacle that prevents movement and can be a safety feature.

### Links to Previous Learning

EYFS-Toys with different mechanisms

Year 1-Cart mechanisms

Year 2-Moon buggy mechanisms

Year 3-Playground equipment



E-Safety



multimedia



# Year 4 - Computing

## Systems and networks

(Internet)



### Key Vocabulary

**devices**

Electronic equipment.

**global**

Having to do with the whole earth.

**networks**

A system that connects two or more computing devices.

**routes**

The path that data travels of a network.



### Sticky Knowledge

Sharing personal information can be unsafe.

A network connects two or more computers or Devices.

### Links to Previous Learning

EYFS-Using technology and recording digitally

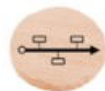
KS1 -Technology and IT around us

Year 3-Connecting computers

evidence



chronology



lifestyles



# Year 4 - History

## Local Environment

Exploring how change over time affect life-styles



### Key Vocabulary

population

The people who live in an area.

influencers

A person that causes some kind of effective on another.

locality

A particular neighbour, place or region.

county

A section in to which some countries are divided.

leisure

Freedom from work or other duties.

### Sticky Knowledge

Historical buildings are different from modern buildings because of the materials used to build them.

Historical buildings have specific features for example smaller

### Links to Previous Learning

EYFS-My timeline past and present

Exploring historical influencers

KSI-Changes in our life, timeline and recounts

Year 3-Change over time and life-styles

physical



location



human



# Year 4 - Geography

## Local Environment

### Key Vocabulary

fieldwork

Research, exploration, observation, conducted outside.

characteristics

Human and physical features.

agricultural

Area of land used for crops.

recreational

An activity for enjoyment when not working.

transportational

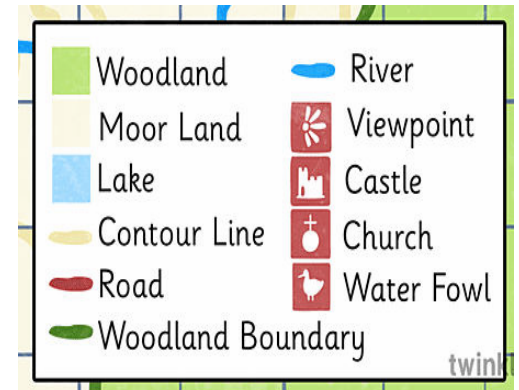
Moving of good or people.

### Sticky Knowledge

A map is a navigational tool that can be used to locate human features/landmarks in the local area and beyond.

Fieldwork is when you go outside and find out things about a place.

A map key is usually found at the bottom of the map that has information as to what different symbols on the map mean.



### Links to Previous Learning

Year R-Where I live and physical/human features

Year 1/2- Mapwork.

Year 3-Features of the local area





# Year 4 - Creation



## What do Christians learn from the Creation story?

### Key Vocabulary

#### creation

The act of creating something, or the thing that is created.

#### forgiveness

A decision to release feelings of anger or upset towards a person or group who has harmed you.

#### Bible

The Holy book for Christians.

#### Genesis

The Book of Genesis, the first book of the Bible, is the story of the creation of the world and mankind.

#### Ten Commandments

A set of rules in The Bible that show Christians how God wants them to live.

#### obedience

To follow a set of rules or to do as you are told.

#### sin

Bad thoughts, words or actions, against God's law.

#### The Fall

The Fall of mankind is how mankind fell or descended from perfection into sin.



### Sticky Knowledge

The Christian creation story is the symbolic narrative of the creation of the world.

The sin of Adam and Eve created the Fall from God for all humanity.

### Links to Previous Learning

Y1/2

Show, explain and prove an understanding of the term 'morals'.

Y3

Infer and define some reasons why religious figures may have acted as they did.