

# Year 5: Computing - Vector Graphics



## Term 5

### Key Vocabulary

#### algorithm

A sequence of instruction used to complete a task

#### duplicate

An exact copy of something else

#### bitmap

Graphics made with tiny dots called pixels

#### align

Put two or more items in a line

#### vector

A movement from one point to another

#### vector quantity

A movement that has direction and magni-



### Sticky Knowledge

Vector graphics are made up of points, lines, curves, and shapes.

Shape tools in chosen software are used to create vector drawings.

Each element of a vector drawing is called an object.

Vector drawings are created by moving, resizing, rotating, and changing the colours of

### Links to Previous Learning

EYFS - Digital images

Year 1 - Technology around us

Year 3 - Desktop publishing



mechanism

# Year 5: DT -

## Term 5

### Key Vocabulary

#### Cam

A specially shaped component (disk, wedge, or cylinder) that rotates or slides to convert input motion into a specific output movement.

#### Rotary movement

The movement of an object spinning around a central fixed axis or pivot point.

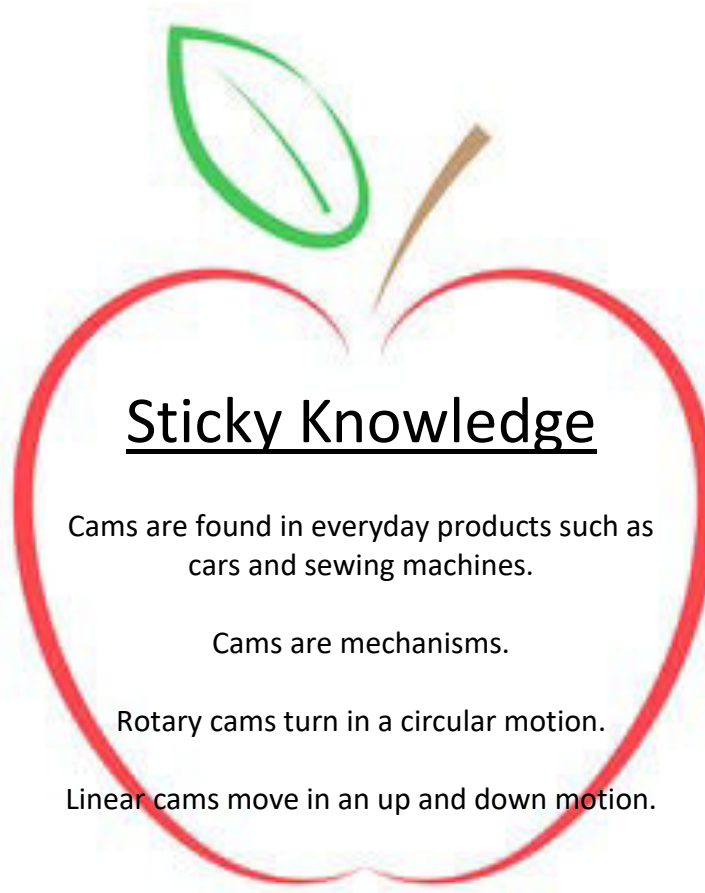
#### Linear movement

Movement in a straight line, representing one of the simplest forms of motion.

#### Follower

A component that rests on a rotating cam and moves up and down to follow the cam's shape.

#### Dowelling



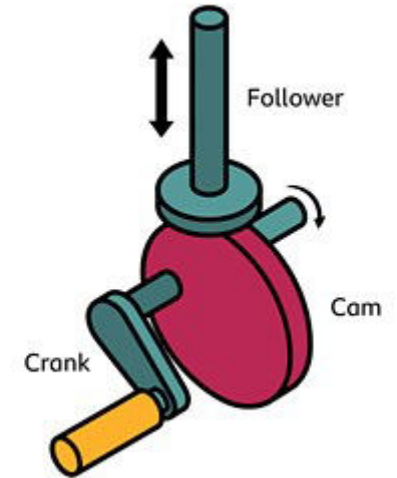
### Sticky Knowledge

Cams are found in everyday products such as cars and sewing machines.

Cams are mechanisms.

Rotary cams turn in a circular motion.

Linear cams move in an up and down motion.



### Links to Previous Learning

Year 2– Axels



explorers



comparisons

# Year 5: Geography -

## Term 5

### Key Vocabulary

trade

The buying and selling of goods

imported

When one country buys goods from another.

exported

When one country sells goods to another.

### Sticky Knowledge

Trade is an important way for countries to make money.

An import is a good or service bought in one country that was produced in another.

Export is something sold and taken out of a country and into another:

Trade in Europe created an influx of



WORLD TRADE ORGANIZATION



UK Trade



The Commonwealth

### Links to Previous Learning

Year 1/2 - The UK



chronology



evidence



Historical influencers

# Year 5: History - Tudors

## Term 5

### Key Vocabulary

#### Pope

The head of the Roman Catholic church

#### chronology

The order in which things happen.

#### Tudor

A family that ruled England

#### successor

A person that comes after or follows another

#### reformation

A religious movement in the 1500s/  
Tudor times



### Sticky Knowledge

Henry VIII reigned from 1509-1547.

Henry VIII brought about reformation of the church.

### Links to Previous Learning

Year 1 - Great Fire of London

Year 2 - Historical Influencers (Super heroes.)

Year 3 - Stone Age

Year 4 - Egyptians

# Year 5: RE - What does it mean to be a Muslim in Britain today?



Thinking & Reality



Religious Sources



Community & Living

## Term 5

### Key Vocabulary

#### Prophet

An individual who speaks for God.

#### Saudi Arabia

Is where the main religion is Islam and Muslims travel to.

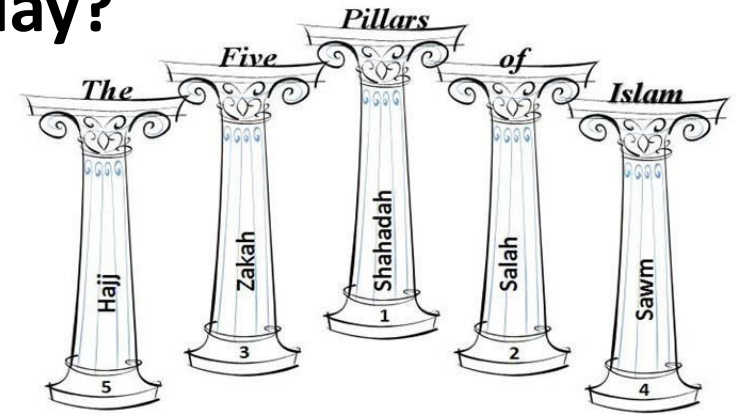
#### Makkah

Is the purest spot on Earth and the holiest Islamic destination in the world.

#### taqiyah

Is the Arabic word for a Muslim skullcap.

#### Qibla



### Sticky Knowledge

There are five key practices that all Muslims are obligated to fulfil throughout their lifetime. These practices are referred to as pillars because they form the foundation of Muslim life.

Muhammad is known as the Seal of the Prophets because Muslims believe he was the final prophet and no others will come after him.

### Links to Previous Learning

EYFS– World Faith Stories

Year 2 - Who is a Muslim and what



physics



investigation

# Year 5: Science -

## Term 5

### Key Vocabulary

#### rotation

When a shape turns around a fixed spot

#### orbit

To move in a regular, repeating curved path around another object.

#### axis

An imaginary line that a body rotates around.

#### spherical

Nearly having the shape of a sphere

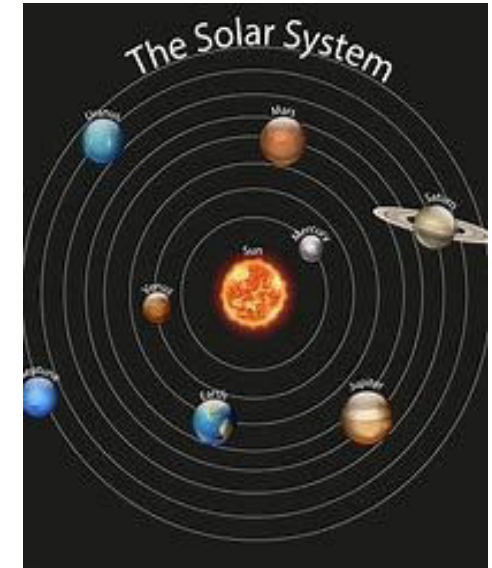
#### heliocentric model

The structure of the Solar System where the planets orbit the Sun.

### Sticky Knowledge

The solar system is the Sun and everything that orbits it.

The moon moves on the same path around the Earth and orbits Earth due to its gravity.



### Links to Previous Learning

EYFS—Planets and constellations