



Topic	History - Ancient Greeks	Theme	Leadership	Year Group	5
Key Question	How did the leadership of the Greeks influence the Western World?				

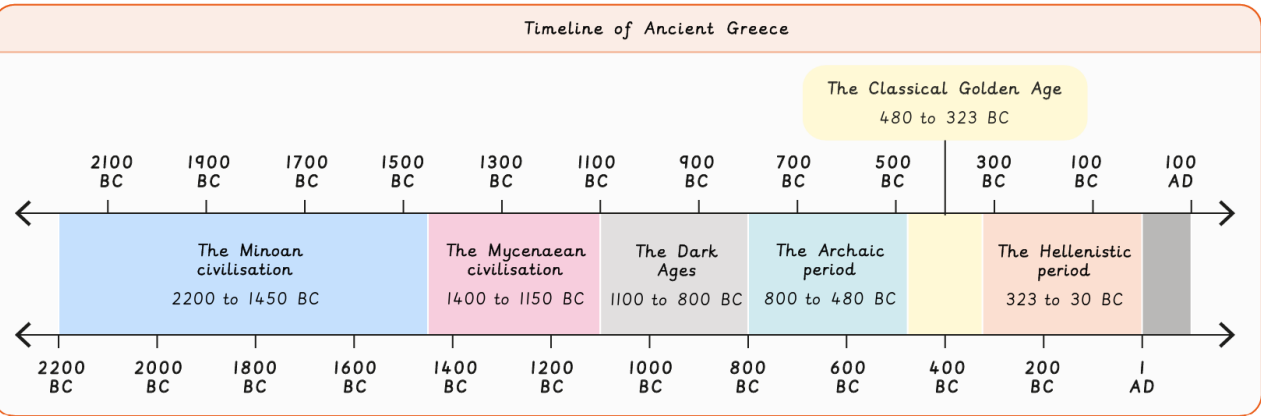
What should I already know?
<ul style="list-style-type: none"> <li>Understand what a civilisation is.</li> <li>Know how to use a timeline and that events in history can be put in order using BC and AD dates.</li> <li>Have learned about another ancient civilisation - Ancient Egypt</li> <li>Know that life was different in the past - People had different homes, beliefs and ways of living.</li> <li>Use sources to learn about the past - pictures, objects, and writing can help us understand history.</li> </ul>

Key learning:
<ul style="list-style-type: none"> <li>Alexander the Great was a powerful military leader and king of Macedonia. He united all of Greece under his rule and created one of the largest empires in the ancient world.</li> <li>The Ancient Greeks believed in many gods and goddesses, each with their own powers and roles</li> <li>Gods like Zeus, Athena, and Poseidon were worshipped in temples and honoured in myths and festivals.</li> <li>The Ancient Greeks, especially in Athens, developed the first known form of democracy.</li> <li>The first recorded Olympic Games took place in Olympia in 776 BC. The games were held in honour of the god Zeus and were part of a religious festival.</li> <li>Athens focused on education, philosophy, democracy, and the arts. It had a democratic government.</li> <li>Sparta was a military society, where boys trained to be soldiers from a young age. It had an oligarchy (ruled by a small group). Both were powerful city-states in Ancient Greece but had very different values, lifestyles and governments.</li> <li>In Athenian democracy, free male citizens could vote and take part in making decisions for the city.</li> <li>Ancient Greece is well known for its lasting impact on architecture, philosophy, art, science, mathematics and politics.</li> <li>Many ideas from Greek thinkers, such as Socrates, Plato and Aristotle, still influence modern life today.</li> </ul>

Key Vocabulary	
Ancient Greece	A civilisation that existed over 2,000 years ago, made up of city-states like Athens and Sparta.
City-state	A city and the land around it that had its own government (eg. Athens, Sparta).
Alexander the Great	A famous king of Macedonia who conquered all of Greece and built a vast empire.
Macedonia	A region north of Greece where Alexander the Great came from
Empire	A large group of lands and people ruled by one leader or country.
Gods and Goddesses	Powerful beings worshipped by the Greeks, believed to control different aspects of life.
Zeus	The king of the Greek gods and ruler of Mount Olympus.
Athena	Goddess of wisdom and war, and the protector of the city of Athens.
Olympic Games	Athletic competitions held in Olympia to honour the god Zeus, starting in 776 BC.
Athens	A Greek city-state known for its democracy, education and cultural achievements.
Sparta	A Greek city-state known for its military strength and strict way of life.
Democracy	A system of government where citizens vote to make decisions.
Oligarchy	A form of government where a small group of people hold all the power.
Citizen	A person with legal rights and responsibilities in a city-state.
Philosophy	The study of ideas about knowledge, truth and how to live wisely.



Athenian democracy was one of the first in the world. It was a direct democracy in which the citizens themselves voted for laws in the assembly. Modern Britain has a representative democracy where people elect a representative (Member of Parliament) to make decisions on their behalf. Citizens over 18 can vote in Britain; however, in ancient Athens, only adult males born in Athens could vote.



**Philosophy**

Philosophy (meaning 'love of wisdom') was developed by the ancient Greeks. Famous philosophers such as Pythagoras, Socrates, Plato and Aristotle still influence our thinking today: Pythagoras created the first maths formula, Socrates developed the Socratic method used to discuss ideas, Plato's ideas on ethics are still debated today, and Aristotle laid the foundations for modern science.



What should I already know?
<ul style="list-style-type: none"> <li><input type="checkbox"/> Understand what a map is and how it shows places from above.</li> <li><input type="checkbox"/> Use a simple map key to recognise symbols for features.</li> <li><input type="checkbox"/> Know the 4 main compass points: North, East, South, and West.</li> <li><input type="checkbox"/> Identify physical and human features (eg, rivers vs. roads).</li> <li><input type="checkbox"/> Use basic grid references (letter and number) to find places on a map.</li> <li><input type="checkbox"/> Use positional language (eg, near, next to, above, below) to describe locations.</li> </ul>

Key learning:
<ul style="list-style-type: none"> <li><input type="checkbox"/> A 6-figure grid reference pinpoints an exact location within a grid square by dividing it into tenths (eg. 342 178).</li> <li><input type="checkbox"/> It combines three numbers for the eastings (left to right) and three for the northings (bottom to top) to give a precise position.</li> <li><input type="checkbox"/> The 8-point compass includes the cardinal (N, E, S, W) and intercardinal directions (NE, SE, SW, NW). These directions help in giving and following more accurate navigation instructions on a map or in the field.</li> <li><input type="checkbox"/> A compass is used to face and follow specific directions such as NE or SW when navigating a planned route. Combining compass use with visible landmarks and pacing helps accurately follow a route across terrain.</li> <li><input type="checkbox"/> Maps use symbols (eg, tree for woodland, blue line for river) to represent features; these are explained in a map key.</li> <li><input type="checkbox"/> Understanding common symbols helps identify physical and human features quickly when reading a map.</li> <li><input type="checkbox"/> An Ordnance Survey map is a detailed map produced by the British or Irish government map making organisation.</li> <li><input type="checkbox"/> Physical features are natural parts of the landscape like rivers, hills, and forests.</li> <li><input type="checkbox"/> Human features are man-made, such as roads, buildings, and bridges, and often relate to land use and settlement.</li> <li><input type="checkbox"/> Topography is the physical features of an area of land including natural formations such as mountains, rivers, lakes and valleys, and manmade features such as roads, dams and cities.</li> </ul>

Key Vocabulary	
Map	A drawing that shows an area of land and its features from above.
Ordnance survey	Ordnance survey is the national mapping agency for Great Britain.
Grid Reference	A set of numbers that help locate a specific place on a map.
6-Figure Grid Reference	A more precise location using six numbers (eg. 342 178).
Eastings	The vertical lines on a map grid that increase as you move east.
Northings	The horizontal lines on a map grid that increase as you move north.
Compass	A tool that shows direction using a magnetic needle that points north.
Compass Points	Directions on a compass (N, NE, E, SE, S, SW, W, NW).
Navigation	The process of planning and following a route.
Route	A planned path to follow from one place to another.
Landmark	A visible feature (natural or man-made) used to help navigate.
Symbol	A small picture or icon used on a map to represent a real-world feature.
Map Key / Legend	A guide that explains the meaning of symbols used on a map.
Physical Feature	A natural part of the landscape, such as hills, rivers, or forests.
Human Feature	A man-made feature, such as roads, buildings, or bridges.
Topography	The physical features of an area of land including natural formations such as mountains, rivers, lakes and valleys, and manmade features such as roads, dams and cities.
Orienteering	An outdoor activity that involves using a map and compass to find locations.
Direction	The line or course along which something moves (eg, north, south).
Bearing	A measurement of direction using degrees (eg, 90° for east).
Pacing	A method of measuring distance by counting steps.

**Legend (symbols)**

gives you a clue to what things are near to you on the map

	Coniferous trees
	Non-coniferous trees
	building
	main road
	school
	contours

these help to find your location and know where you are

**course**

- 1

**start point**

everyone sets out from here
- 2

**checkpoints**

called 'controls'

positioned in different places with letters
- 3

**controls**

must be visited in order

cross the finish point

use a detailed map to orienteer the route



**Orienteering**

involves using a map and compass to find your way around a set course

**Know the area or countryside**

assess      read      understand      appreciate

**Skill**

map reading      compass work      decision making      mental alertness

**Orienteering symbols**

start

finish

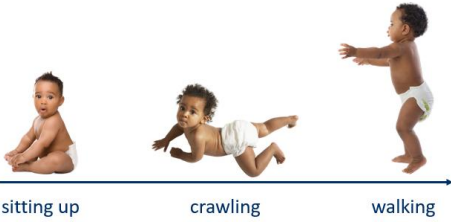
control



Topic	Science - Animals including humans	Theme	Leadership	Year Group	5
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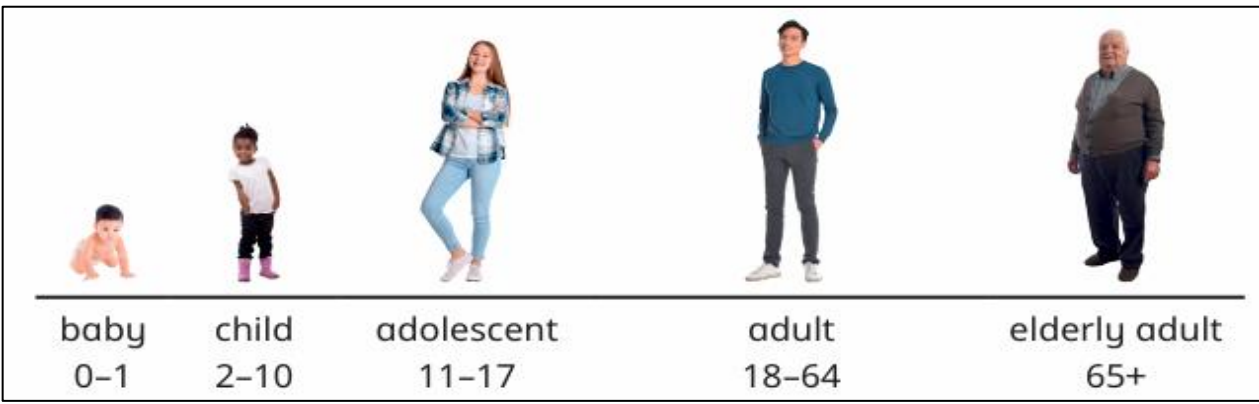
What should I already know?
<ul style="list-style-type: none"> <li><input type="checkbox"/> Animals can be grouped into vertebrates (and then further into fish, reptiles, amphibians, birds and mammals) and invertebrates.</li> <li><input type="checkbox"/> Some examples of life cycles (including those of plants and humans).</li> <li><input type="checkbox"/> Reproduction and growth are two of the seven life processes.</li> <li><input type="checkbox"/> How to live a healthy lifestyle.</li> </ul>

As babies get older, they begin to meet more milestones. These are milestones in the first two years of a person's life



Key learning:
<ul style="list-style-type: none"> <li><input type="checkbox"/> The human life cycle has six main stages - foetus, baby, child, adult and elderly adult.</li> <li><input type="checkbox"/> All humans start their life as a foetus inside their mother's womb.</li> <li><input type="checkbox"/> After puberty, humans can reproduce.</li> <li><input type="checkbox"/> Babies are dependent on adults for food, warmth and comfort.</li> <li><input type="checkbox"/> Most babies and toddlers hit certain milestones in their first two years of life, such as crawling and walking.</li> <li><input type="checkbox"/> Throughout childhood, children grow and develop at a rapid rate in terms of their mass, height and brain development.</li> <li><input type="checkbox"/> Hormones are chemicals that are released by your body during puberty which cause physical and emotional changes.</li> <li><input type="checkbox"/> Puberty is the change that happens in late childhood and adolescence where the body starts to change because of hormones.</li> <li><input type="checkbox"/> Some changes include growth in height, more sweat, hair growth on arms and legs, under the armpits and on genitals, and growth in parts of the body. Females begin to menstruate.</li> <li><input type="checkbox"/> A person is classed as an adult from age 18 onwards.</li> <li><input type="checkbox"/> A person is classed as an elderly adult from approximately 65.</li> <li><input type="checkbox"/> When a person enters adulthood, their rate of growth slows down and their body is fully developed.</li> <li><input type="checkbox"/> Gestation is the period of time that a foetus develops in its mother's womb.</li> <li><input type="checkbox"/> Mammals have different gestation periods. The gestation period of a human is approximately nine months.</li> <li><input type="checkbox"/> The lifespan of an animal is how long the animal is alive.</li> <li><input type="checkbox"/> Usually, the longer the gestation period of an animal, the longer the lifespan.</li> <li><input type="checkbox"/> Humans have a relatively short gestation period compared to their lifespan.</li> </ul>

This is the human life cycle



Key Vocabulary	
adolescence	the period of your life in which you develop from being a child into being an adult
adulthood	the state of being an adult
development	the gradual growth or formation of something
foetus	an animal or human being in its later stages of development before it is born
gestation	the process in which babies grow inside their mother's body before they are born
growth	an increase in something
hormones	a chemical, usually occurring naturally in your body, that makes an organ of your body do something
independent	If someone is independent, they do not need help or money from anyone else.
infancy	the period of your life when you are a very young child
life cycle	the series of changes that an animal or plant passes through from the beginning of its life until its death
life processes	There are seven processes that tell us that living things are alive
mature	When a child or young animal matures, it becomes an adult
menstruation	the approximately monthly discharge of blood by non-pregnant women from puberty to the menopause
offspring	a person's children or an animal's young
organ	a part of your body that has a particular purpose
puberty	the stage in someone's life when their body starts to become physically mature
rapid	A rapid change is one that happens very quickly
reproduction	when an animal or plant produces one or more individuals similar to itself
toddler	a young child who has only just learned to walk
vertebrate	a creature which has a spine



Topic	RE: Christianity	Theme	Leadership	Year Group	5
Key Question	R.E. What matters most to Christians and to Humanists?				

What should I already know?
<ul style="list-style-type: none"> <li>• Christians believe in God.</li> <li>• There are lots of religions.</li> <li>• People have different beliefs.</li> </ul>

Key Learning
<ul style="list-style-type: none"> <li>• That we make rules or principles to help us to be good.</li> <li>• Christians might say that trusting God matters most, and that it helps people to be good. Humanists would disagree.</li> <li>• For Christians, trusting in God, as seen in Jesus, may matter even more than being good, because it helps a person to be good.</li> <li>• Humanists believe that humans can be 'good without God'.</li> <li>• Humanists believe the scientific explanation of how the universe works and reject the idea of the supernatural and God.</li> <li>• The concepts of fairness, justice, forgiveness and freedom are important to both.</li> <li>• The values of Christianity include love, forgiveness, peace between people and God, honesty, prayer, worship and fellowship (togetherness).</li> <li>• Both Humanists and Christians prefer the idea that choices are made out of love and respect, rather than just 'doing as they are told'.</li> </ul>

Key Vocabulary
<b>Rules:</b> statement of what may, must or must not be done in a particular situation or when playing a game
<b>Principles:</b> a moral rule or a strong belief that influences your actions
<b>Values:</b> beliefs about what is right and wrong and what is important in life
<b>Right/good:</b> morally good or acceptable; correct according to law or a person's duty
<b>Wrong/evil:</b> not morally right or honest
<b>Christian:</b> based on or believing the teachings of Jesus Christ
<b>Humanist:</b> a person who believes in a system of thought that considers that solving human problems with the help of reason is more important than religious beliefs
<b>Parables:</b> a short story that teaches a moral or spiritual lesson, especially one of those told by Jesus as recorded in the Bible
<b>Code of living:</b> a set of principles some follow when deciding how to behave



Key Questions:
<ul style="list-style-type: none"> <li>• How should we care for others and the world, and why does it matter?</li> <li>• What can we learn from religions about deciding right and wrong?</li> <li>• Does religion help people to be good?</li> </ul>



### Key Learning

- To understand how a device can be programmed to be used as a game controller.
- To explore the functions available for the Purple Chip and appraise their uses.
- To create a simple quiz program that can be answered using an external device.
- To create a program in which an external device can be used to monitor real world conditions.

### Key Resources



### Key Vocabulary

#### Algorithm

A precise step by step set of instructions used to solve a problem or achieve an objective.

#### Host

The main device that the external devices connect to.

#### QR Code

A machine-readable code consisting of an array of black and white squares, used for storing a URL or other information that can be read by a device's camera.

#### Emulator/ Simulator

In computing this is a piece of software that causes the host device to behave like a different computer system (the guest).

#### Input

Information going into the computer. This could be the user moving or clicking the mouse, or the user entering characters on the keyboard. On tablets there are other forms such as finger swipes, touch gestures and tilting the device.

#### Output

Information that comes out of the computer e.g. sound, prompt, alert or print to screen.

#### External device

A portable computerised device such as a micro-bit, Makey Makey, Crumble board, temperature, pressure or light sensor. Devices such as smart phones can also be used as external devices using their sensors and functions to replicate the functionality of simpler devices. These devices communicate with other devices.

#### Sensor

A device that produces an output signal for the purpose of sensing a physical phenomenon. The input can be light, heat, motion, moisture, pressure or a growing number of other environmental phenomena.

### Prior Learning:

- Logical decision processing
- Repeat, selection, variables
- Code, test, debug process



# Los juegos olímpicos

## phonics

**go** sound in:  
• juegos 

**CO** sound in:  
• practico   
• tiro con arco

**ci** sound in:  
• ciclismo 

**accents** Accents indicate the vowel is stressed. As seen in the words *olímpicos*, *trampolín* and *natación*.

## vocabulary

10 Olympic sports and their articles/determiners.



How to write a phrase describing an Olympian by their performance sport.



**Practica boxeo.**  
**Es boxeador.**

*He practises/does boxing. He is a boxer.*

## grammar

To understand agreement rules better and that nouns can change spelling depending on the gender of the person they are describing.

**Es boxeador.**      **Es boxeadora.**

*He is a boxer.*      *She is a boxer.*

Understanding better that the determiner is often dropped when the sport is used with the verb 'practicar' (to practise/do a sport).

**Practico esgrima.**      *I do/practise fencing.*

The conjugation of the high frequency irregular verb 'ser' (to be) & regular verb 'practicar' (to practise/do a sport).

**es**      **practica**  
*he/she is*      *he/she practises (a sport)*

It would help if I already know:

- The letter sounds (phonics & phonemes) from 'Phonics & Pronunciation' lessons 1, 2 & 3.
- Language introduced from Early Language and Intermediate units.
- Understand what an article/determiner, noun, verb and adjective is in English and the basic rules of adjectival agreement in Spanish.
- How to decode longer, unknown texts in Spanish.

## What I will learn:

- Objective 1: I will learn to listen attentively to longer passages in Spanish, decoding using cognates.
- Objective 2: I will learn to understand more of what I hear and read using story ordering to help me decode unknown language.
- Objective 3: I will learn 10 nouns for Olympic sports with their correct articles/determiners.
- Objective 4: I will learn how to say, 'I practise' and 'I do not practise' a particular sport using the verb 'practicar' (to practise/do) in Spanish.
- Objective 5: I will learn that nouns can change spelling in Spanish depending on the gender of the person being described.



Topic

Musical theatre

Theme

Leadership

Year Group

5

### Year 5: Musical theatre



Musical theatre combines music, songs, spoken dialogue and dance. Musical theatre can also be known as 'musicals' or 'shows' and these are usually performed in theatres, although there are film musicals too.

### Musical timeline

Late 16th and 17th centuries



Opera

Operetta

Film musical

Book musical

Jukebox musical

Modern day

Rock and hip hop musicals

### Vocabulary

Composer

Writes the music.

Librettist

Writes the story.

Lyricist

Writes the song lyrics.

Director

In charge of the dramatic performance.

Musical Director

In charge of the musical performance.

Choreographer

Creates the dance moves.

Designer

Designs the sets or costumes.

Performers

Play the characters in the musical.

Character song

Describes how the character is feeling.

Action song

Describes what is happening at that point in the story.

Transition

A passage of music composed to link one piece of music to another.

Score

Written notation to show what notes to play and in what style to play them.

Script

Written text of a play or musical.

Key knowledge:

- To understand that musical theatre includes both character and action songs, which explain what is going on and how characters feel.
- To know that choreography means the organisation of steps or moves in a dance.
- To know that musical theatre uses transitions, which are short passages of music used to move between sections of the musical action.

### Prior Learning:

- Singing longer songs in a variety of musical styles from memory.
- Singing and playing in time with peers with accuracy and awareness of their part in the group performance.



Topic Art: Craft and design: Architecture

Theme

Leadership

Year Group

5

**Key skills:**

- Develop ideas more independently from their own research.
- Confidently use sketchbooks for purposes including recording observations and research, testing materials and working towards an outcome more independently.
- Work with a range of media with control in different ways to achieve different effects.
- Research and discuss the ideas and approaches of artists across a variety of disciplines.

Architecture	Designing buildings
Architect	A person who designs buildings
Composition	Putting different elements together in a pleasing way
Elevation	In architecture this refers to the angle that a building is being viewed from
Legacy	Something lasting to remember a person or event for future generations
Monoprint	Printmaking where only one impression can be made
Perspective	The angle from which you are looking at something
Proportion	How big one element of an artwork appears compared to the whole thing
Transform	To change how something looks

**Prior Learning:**

- Generating ideas from a range of stimuli, using research and evaluation of techniques to develop ideas and plan more purposefully for an outcome.
- Use of sketchbooks for a wider range of purposes, for example, recording things using drawing and annotations, planning and taking the next steps in a making process.
- Using subject vocabulary confidently to describe and compare creative works.

**Key knowledge:**

**Formal elements:**

- **Shape:** Shapes can be used to place the key elements in a composition.
- **Line:** Lines can be used by artists to control what the viewer looks at within a composition, e.g. by using diagonal lines to draw your eye into the centre of a drawing.

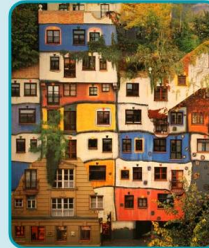
**Knowledge of artists:**

- Artists are influenced by what is going on around them; for example, culture, politics and technology.
- Artists 'borrow' ideas and imagery from other times and cultures to create new artworks.
- Visual designs can represent big ideas like harmony with nature or peace.

Friedensreich Hundertwasser (1928-2000)  
An Austrian artist and architect.

Most famous for his imaginative, colourful and whimsical architectural work.

The Hundertwasser house in Austria is one of his most famous buildings.



University of Economics, Austria:



Zaha Hadid

Famous buildings



The Shard, London  
(Renzo Piano)



La Sagrada Familia,  
Barcelona  
(Antoni Gaudi)



Taj Mahal, India  
(Ustad Ahmad Lahori)



Burj Khalifa, Dubai  
(Adrian Smith)



Empire State building,  
New York City  
(Shreve, Lamb & Harmon)



Topic

Design Technology: Digital world: Monitoring devices

Theme

Leadership

Year Group

5

**Key skills:**

- Describe what is meant by monitoring devices and provide an example.
- Explain briefly the development of thermometers from thermoscopes to digital thermometers.
- Research a chosen animal's key information to develop a list of design criteria for an animal monitoring device.
- Write a program that monitors the ambient temperature and alerts someone when the temperature moves from a specified range.
- Identify errors (bugs) in the code and ways to fix (debug) them.
- State one or two facts about the history and development of plastic, including how it is now affecting planet Earth.
- Build a variety of brick models to invent Micro:bit case, housing and stand ideas, evaluating the success of their favourite model.
- Explain key pros and cons of virtual modelling vs physical modelling.
- Recall and describe the name and use of key tools used in Tinkercad (CAD) software.

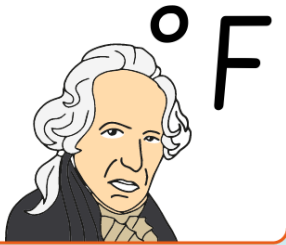
<b>Boolean</b>	A form of data, which consists of (true) 1s and (false) 0s values.
<b>Device</b>	Equipment created for a certain purpose or job.
<b>Durable</b>	Lasts a long time with prolonged use without deteriorating very easily.
<b>Monitoring device</b>	An electronic device that observes and records something over time using data retrieved from one or more sensors.
<b>Sensor</b>	A tool or device that is designed to monitor, detect and respond to changes.
<b>Synthetic</b>	Something artificial. Made with substances that do not occur naturally.
<b>Variable</b>	This could be a number or text, that can change each time the program is run and often in combination with selection to change the end result of the program.
<b>Versatile</b>	Can be used in a number of ways, or has a variety of functions.
<b>Water-resistant</b>	Repels water from entering or absorbing something.
<b>Workplane (CAD)</b>	A virtual mat to place and manipulate objects in CAD, to build 3D models.

**Key knowledge:**

- A device means equipment created for a certain purpose or job and that monitoring devices observe and record.
- A sensor is a tool or device that is designed to monitor, detect and respond to changes for a purpose.
- Conditional statements (and, or, if booleans) in programming are a set of rules which are followed if certain conditions are met.


**Prior Learning:**

- State and/or describe the advantages and disadvantages of existing products (timers).
- Understand how virtual micro:bit features could be used as part of a design idea.
- Write a program that displays a timer on the virtual micro:bit based on their chosen seconds/minutes.



**Daniel Gabriel Fahrenheit**


Daniel Gabriel Fahrenheit developed the world's first truly accurate thermometer in 1709, using a numerical scale he proudly called the 'Fahrenheit' scale (°F).




**Anders Celsius**

Later in 1742, inventor Anders Celsius developed the 'Celsius' or 'Centigrade' scale (°C) that we know and use in the UK today. It is based on the 0°C freezing point to 100°C boiling point of water.

**Monitoring devices:**



Security alarm systems use motion detectors to sense movement in an unwarranted place.



Fire alarms can detect smoke and some can also detect abnormally high temperatures.

Today we have a range of safe non-toxic, smart and digital thermometers:



Built in oven thermometer



Infrared thermometer



Probe thermometer