The John of Gaunt School
A Community Academy

Name   TG

Year 7

Knowledge Organisers

Term1 - 2025

Art and Design Knowledge organiser term 1

Drawing
When drawing you need to consider these three main areas – tone, texture (using mark making) and proportions.

Texture refers to the surface quality in a work of **art**. We associate **textures** with the way that things look or feel. Everything has some type of **texture**. We describe things as being rough, smooth, silky, shiny, fuzzy and so on.
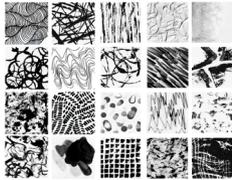
Proportion refers to the dimensions of a composition and looks at height, width and depth. **Proportion** also describes how the sizes of different parts of a piece of **art** or design relate to each other.

Tone means how light or dark something is. The tones artists and designers use and the contrast between them can create very different moods and visual effects.
Further reading:
https://www.bbc.co.uk/bitesize/guides/z2thmsg/revision/1
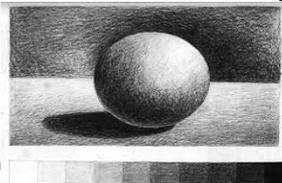
Key Words - definitions
Shading - the darkening or colouring of an illustration or diagram with parallel lines or a block of colour.
Depth - The apparent distance from front to back or near to far in an artwork. Techniques of perspective are used to create the illusion of **depth** in paintings or **drawings**.
3D – three dimensional - and object having or appearing to have length, breadth, and depth.
St**ill life** - a painting or drawing of an arrangement of objects, typically including fruit and flowers and objects contrasting with these in texture, such as bowls and glassware.
Shape - the external form, contours, or outline of someone or something.
Scale - If you refer to the **scale** of something, you are referring to its **size**
Colour – this refers to the full ranges of colours you may use, colour comes in different shades
Complimentary colour - Complementary colours are pairs of colours which are opposite each other on the colour wheel -When placed next to each other, they create the strongest contrast
Harmonious colours – are groups of colours that are next to each other on the colour wheel

Observational drawing
Observational drawing is **drawing** what you see. ... But it's **drawing** what you see in front of you as realistically and as true to life as possible.
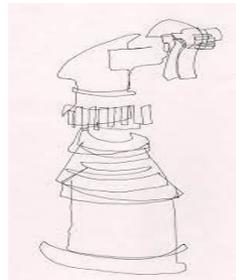
Art history
https://www.ducksters.com/history/art/
https://www.bbc.co.uk/bitesize/subjects/z6f3cdm

Tonal drawings
A drawing that focuses on showing the shadows, creating a 3D feel

Blind drawing
Drawing an object without looking at the paper while completing it

Wrong hand drawing
A drawing completed with your non dominate hand

Continuous line drawings
An unbroken line drawing from the beginning to the end.

unifrog **Career readiness means being prepared to succeed in the world of work — not just having a job, but being ready to grow, learn, and thrive in a career. It's about having the skills, knowledge, and attitudes that employers look for. The activities below are to help you reach career readiness.**

Term 1	Who am I? Draw connections between their likes, culture, connections and interests Understand that certain characteristics are protected by law	Who Am I work book Who Am I ppt Who Am I digital template	These are the tasks on unifrog and the suggested time when to do them. You are given the title of the resources so that you can find them yourself but they will appear on unifrog. You will get an email notification. The tasks are tracked. The activities include the teacher powerpoint, which gives suggestions. Sometimes, it might be good to do the activity with a friend or parent so that you can share ideas. The powerpoints are designed for a class of 30 pupils and have the teacher notes to help you. When working on your own, it will take 15 – 30 mins for the activities and longer for the thinking. Create a folder in which to save your worksheets.
	Dream job Exploring more than one dream job	Exploring possibilities dream job workbook Exploring possibilities dream job ppt	
Term 2	What is a career Identify a range of career sectors and jobs that they might be interested in	What is a career workbook What is a career ppt	
	What is an entrepreneur Identify a range of career sectors and jobs that they might be interested in	What is an entrepreneur work book What is an entrepreneur ppt	
Term 3	What is a work life balance	Work life balance workbook Work life balance ppt	
	Careers for the future How have careers changed over the years	Careers and the future workbook Careers and the future ppt	
Term 4	Competencies and aiming high Learning about goal setting	Competencies II aiming high workbook Competencies II aiming high ppt	Useful websites to use https://www.johnofgauntschool.org/parents-and-carers/careers-information https://nationalcareers.service.gov.uk/ https://www.gov.uk/apply-apprenticeship https://www.ucas.com/ https://www.wiltshire.ac.uk/ https://www.bathcollege.ac.uk/
Term 5	Careers and subjects quiz: sustainability Exploring the subjects tool, creating favourites and doing career courses.		
Term 6	Introduction to the courses tool	Careers quiz careers and the Courses tool ppt	
	Complete a course using the courses tool		

Key content

What is a computer?
A computer is any device take takes an input, processes it and then outputs infor-

Input → Process → Output
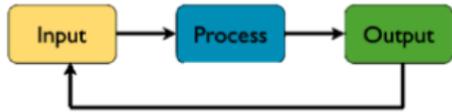
CPU (Von Neumann)
The CPU has two main parts: **ALU & CU**

Arithmetic and Logic Unit
The ALU carries out all of the arithmetic and logical operations including addition, subtraction and comparisons (for example, equal to, less than, greater than).

Control Unit
The **Control Unit** uses electrical signals to direct the system to execute the instructions in stored programs.

Why do computers use binary numbers?
ON corresponds to 1 and OFF corresponds to 0.
All computer programs, must therefore be translated into binary code for the computer to understand and execute the instruction.
Note : Humans cannot use this system easily.

Fetch, Decode, Execute
The main function of the CPU is to run an endless fetch-execute cycle.

FETCH instructions → DECODE instructions → EXECUTE instructions

The speed of the **FDE** cycle is measured in cycles per second (**hertz**). This is known as the **clock speed**.

Processors are usually measured in **gigahertz (GHz)**

1GHz = 1 billion instructions processed.

Converting from binary to denary
To convert a **binary** number to denary, start by writing out the binary place values. In denary, the place values are 1, 10, 100, 1000, etc – each place value is 10 times bigger than the last. In binary, each place value is 2 times bigger than the last (i.e. increased by the power of 2). The first few binary place values look like this:

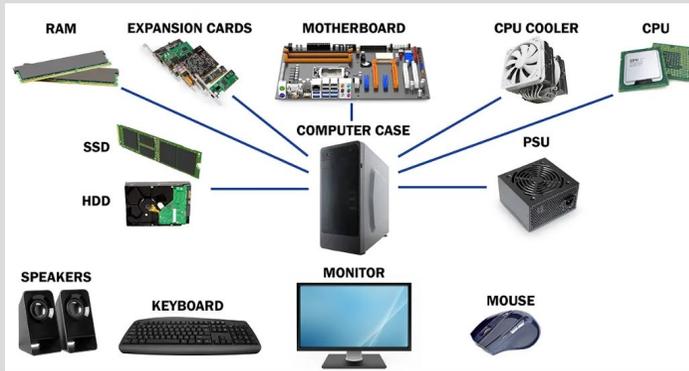| 16	8	4	2	1
1	0	0	1	1

16 + 2 + 1 = 19

To convert a binary number into a denary number, add the *numbers in the column headings* for the columns that contain a **1**.

There is a **1** in 16, 2 and 4 columns, so add these together to find the denary number of 19.

Diagrams:

Parts of a computer system

RAM, EXPANSION CARDS, MOTHERBOARD, CPU COOLER, CPU, SSD, HDD, COMPUTER CASE, PSU, SPEAKERS, KEYBOARD, MONITOR, MOUSE

Key Vocab — Hardware & Software

Word	Definition
Peripheral	A device which can add extra functionality to a computer system. Peripherals can either input or output data from the computer.
Utility Software	Utilities allow the user to manage, fix and optimise the computer. Can include: • Disk cleaner (to make more space on the disk) • Disk defragmentation (to make the disk more efficient) • Security utilities (to clean up malware on the computer)
Clock Speed	The speed at which a CPU executes instructions. The faster the clock speed, the faster the processor.
Storage	A storage device is used for storing and extracting data files, it can be internal or external to a computer.
Motherboard	Connects all components in the computer together.
RAM	Short-term storage, stores instructions for the CPU. Stands for Random Access Memory.
ROM	Read Only Memory – Fixed Memory that cannot be changed. Used when the system starts up to know what order to load.
Output Device	An **output device** is a piece of hardware or peripheral **that receives** data from a computer. e.g. printer, monitor, Speakers
Input Device	An **input device** is a peripheral **that enters** data into a computer. e.g. keyboard, Scanner, microphone, mouse, keyboard
Software	A collection of instructions that enable the user to interact with a computer.
Cores	There are single core, dual and quad core processors. The more cores the more efficient and faster it will be.
CPU	Central Processing Unit. Performs calculations & processes instructions.
Hard Drive	Stores information in long-term memory. Contains a magnetic disk or solid-state drive inside to store data on.

More info can be found here:
BBC BiteSize Digital devices, Software, CPU:
https://www.bbc.co.uk/bitesize/topics/zmpsgk7

DESIGN TECHNOLOGY YEAR 7.1 Graphic Communication

Typography This is the study of **Type** and **Text** on a page, it is how it add impact or set the scene for a page. You can change the style of text (font), its size, colour and space around the text to give you different appearances.

Serif: These typefaces have a tail and are mainly used in the body of a text.

A B C Serif Font Example
serifs shown in red

Sans Serif: This typeface has no tail and is mainly used for headings as it is plain and clear to read.

ABC Sans Serif Font Example

Script: These typefaces tend to look handwritten and have a more personal feel.

Script

Stylised: These are more decorative and are aimed at attracting attention or giving some meaning or association.

ICE

Key Words	Definitions
Render	To colour in an idea or design to make it look like a material or to make it stand out.
Enlarge	To make or draw an object bigger than the original drawing .
Reduce	To make or draw and object smaller than the original drawing.
Oblique	A 3D drawing technique which shows and image at 45° to a horizontal line.
Annotate	To add notes to your designs that explain what you are aiming to achieve. (eg. Size, Materials, joining techniques)
Freehand	To produce a drawing without the aid of drawing equipment like rulers and set squares.
Crating	The use of simple drawn shapes to draw more complex ideas.

Analysing products

This is where we look at an existing product and say what we think is good and bad about the product

A Aesthetics :- what the product looks like?

C Cost:- How much would it cost to make or buy?

C Client:- Who would buy it?

E Environment:- How and where will it be used? What impact will it have on the environment?
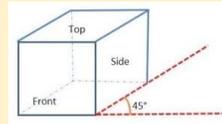
S Safety:- Could the product hurt anyone?

S Size:- How big is it? Is that suitable?

F Function:- What will the product do?

M Materials:- What is it made from?

Freehand drawing techniques

Oblique drawing

Using thick and thin lines to make an object stand out from a page. Rule if you can see two sides the line between is thin. If you can only see one side, the line is thick.

WHAT IS CROSS HATCHING?

Hatching is the use of lines to give an image the look of shadows, shade and texture.

Disability   Recycle   Place in bin   No Phones

Signs and symbols
Signs give information to people. They often avoid using words. This makes them easy to recognise, and helps people who don't speak your language or who can't read.

Extension task See how many signs and symbols you can find?

Key vocal and physical skills

Word	Definition
Facial expressions	Using your face to communicate
Body language	Using your body to communicate
Gesture	Using your hands to communicate
Posture	How you hold yourself
Movement	How you use your body within a space
Pace	Fast or slow
Pitch	High or low
Pause	Stopping for effect
Tone	Emotion in our voice
Volume	Loud or quiet

Did you know the Greeks invented theatre?

- Theatre has religious routes! Where the Greek people used to gather to watch religious ceremonies
- Stories that used to get told between family members were written down and turned into plays
- Theatre originated from Athens, in Greece, specifically the Festival of Dionysius!

Key features of Greek Theatre

Word	Definition
Chorus	One character being played by multiple actors
Amphitheatre	A theatre the Greeks would've performed in, made out of stone and outside
Tragedy and Comedy	Two genres Greek plays can be written as.
Mask	A prop worn on your face to show character.
Audience	A group of people watching a performance,

How to give constructive feedback

- I think your use of…[skill]…was good.
- It was good because…[how did they use the skill?]
- It gave the effect that…
- I thought you could add in more…[skill]
- You could add this in by…[how could they use that skill?]
- This would give the effect that…

ENGLISH Term 1

Sentence types

Simple sentences must have a subject (who or what the sentence is about) and a verb (action word). They stand alone as a complete thought.

Effect: They are clear to understand; however, they can also add tension, increase pace or create an urgent tone when crafted into your writing.

Example x 3: A rat scurried into the corner. Percy screamed. Ruby ran.

Compound sentences generally join two simple sentences together. You can use connectives such as 'and', 'or' and 'but' to join the two separate ideas (such connectives are also known as **co-ordinating conjunctions***).

Effect: They can enhance the flow and rhythm of writing, add complexity to ideas, and express subtle relationships between thoughts.

Example: The midnight sky was inky black, but the stars glistened.

Complex sentences communicate more than one idea. One part (the main clause) is like a simple sentence: it can stand on its own. The other part (the subordinate clause) gives more detail about the simple sentence, but it cannot stand alone (this part will include a **subordinating conjunction****).

Effect: They allow for more detailed explanations and richer descriptions; however, overuse can make your writing difficult to read.

Example: Although exhausted, the intrepid explorers pressed on.

Conjunctions

*Co-ordinating conjunctions** are also known as the FANBOYS.
These are for, and, nor, but, or, yet, so.
Common **subordinating conjunctions** include after, although, as, because, before, if, since, though, unless, until, when, while, and where.

Key terminology and definitions

Genre = A way of categorising a type of music, art or literature, depending on the content.

Plot = Events that make up a story.

Narrative = The story being told.

Foreshadowing = A hint about a future event in a plot.

Juxtaposition = Two ideas placed side by side to compare and show their differences.

Simile = Compares two different things using like or as.

Metaphor = Compares two different things by saying one thing is the other thing.

Personification = Describes something non-human as if it is human, giving it human qualities like emotions, actions, or speech.

Alliteration = Repetition of the same sound at the start of a series of words in succession to provide an audible pulse. It gives a piece of writing a soothing or sinister effect.

Sibilance = Where a hissing or hushing sound is created within a group of words through the repetition of "s" sounds.

Vocabulary – Colour Thesaurus

- **White** = ivory, salt, bone, pearl, porcelain
- **Red** = scarlet, blood, ruby, cherry, mahogany
- **Blue** = indigo, azure, sapphire, arctic, teal
- **Grey** = graphite, charcoal, slate, ash, pewter
- **Black** = raven, ink, midnight, coal, obsidian
- **Yellow** = citrus, sandy, golden, amber, butterscotch

Key content

Cooking Food

1. A broad range of ingredients, equipment, food skills and techniques, and cooking methods are used to achieve successful results.
2. *Recipes and cooking methods can be modified to help meet current healthy eating messages and repeated at home.*

Why is food cooked?

Some foods can be eaten raw and form an important part of the diet. However, many foods need to be prepared and cooked before they are eaten to:

1. make the food safe to eat by destroying pathogenic micro-organisms and toxins;
2. destroy microorganisms and enzymes that cause food to deteriorate and therefore increase the keeping quality of the food;

Food skills

There are a number of food skills which enable a variety of increasingly complex dishes to be prepared and made.
These can include:

1. beating, combining, creaming, mixing, stirring and whisking;
2. bridge, claw, julienne, jardinière, brunoise, macedoine .
3. kneading, folding, forming and shaping;
4. knife skills;
5. rubbing-in and rolling-out;
6. use of the cooker: boiling/simmering/poaching, frying, grilling, roasting and baking;

Diagrams:

The Bridge Hold

The Claw Grip

Vegetable cuts

batons – 5-6.5cm long x 1 cm square

dice – 1cm square

julienne/match stick – 5-6.5cm long x 3 mm square

fine julienne – 5-6.5cm long x 1.5mm square

Key vocab

Word	Definition
Bridge	Form a bridge over the ingredient with your hand, making the sure the arch is nice and high so there's plenty of room for the knife to fit underneath. Hold the item securely with your fingers on one side and your thumb on the other.
Claw	keeping the fingers curled inward and gripping the food with the fingernails, the fingers stay out of harm's way. The side of the knife blade should rest against the first knuckle of the guiding hand.
Brunoise	A tiny cube cut from julienne sticks that chefs quarter and dice again, producing cubes that are ⅛ by ⅛ by ⅛ by ⅛ inches
Macedoine	Dicing ingredients into 1/4 inch cubes.
Jardinière	To cut a vegetable into thick batons
Julienne	Food cut into short, thin strips - matchstick
Pathogenic	Any organism or agent that can produce disease.
Deteriorate	Become progressively worse.

To find out more, go to:
https://bit.ly/2Z97B5f
 https://www.foodafactoflife.org.uk/14-16-years/cooking/
https://www.johnofgauntschool.org/page/?title=Technology&pid=29
Optional Extra – if you are able to cook at home with an adult – why not try using the bridge and claw technique, along with practicing the vegetable cuts.

What is Geography?

Human Geography: is about the human world, how and where people live, develop and earn a living

Physical Geography: is about the physical world around us. What is our planet like. The work of rivers, the sea and ice.

Environmental Geography: is about the natural habitats of our planet, such as mountains, forests and ocean. It is about how humans affect the planet

What makes a good Geographer?

Investigates and understands the world in which we live, we explore the human and physical world.

We ask questions about the world around us. (where is this place? What is it like? Why is it like this? How and why is it changing?

We develop knowledge of where places are in the world
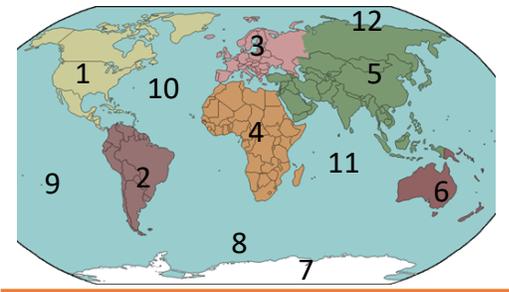
The continents and oceans

1. North America	8. Southern Ocean
2. South America	9. Pacific Ocean
3. Europe	10. Atlantic Ocean
4. Africa	11. Indian Ocean
5. Asia	12. Arctic Ocean
6. Oceania	
7. Antarctica	

Direction

You need to know the 8 point compass for giving directions, saying which way long shore drift is going or if it says look at the headland in the northwest corner of the map.

The compass

On most maps the direction 'north' will be straight up the map but check the compass carefully.

Map Symbols

Generally if you are given an OS map it will have a key telling you what the symbols mean. However, it's a good idea to learn some of the most common ones which are shown below.

- Motorway
- Main (A) road
- Secondary (B) road
- Bridge
- Railway
- County boundary
- National Park boundaries
- Building
- Bus station
- Footpaths
- Viewpoint
- Tourist information centre
- Parking
- Places of worship

Scale and Distance

Maps should always have a scale which can be shown with a ratio e.g 1:50,000 (which means 1 cm on the map equals 50,000cm (or 0.5km) in real life or a scale line which you can put your ruler alongside to see what distance is represented by 1cm on the map.

On the paper's edge
One method of measuring distance is to take a sheet of paper and place the corner of a straight edge on your starting point. Now pivot the paper until the edge follows the route that you want to take.

Step 1
Every time the route disappears or moves away from the straight edge of your paper, make a small mark on the edge and pivot the paper so the edge is back on course.

Step 2
Repeat this process until you reach your destination.

Step 3
You should be left with a series of marks along the edge of your paper. You can now place the sheet against the scale bar on your map. The last mark you made will tell you the real distance you need to travel.

4 Figure Grid References

Ordnance Survey maps have numbered gridlines drawn on them. The lines running up and down the page are called eastings (because their numbers get higher as you move eastwards) and the ones running across the map are known as northings (because their numbers get higher as you move northwards).

Four-figure grid references

To give the 4 figure grid reference for the information centre give the number of the line that runs up the left hand side of the square (47).
The give the number of the line that runs across the bottom of the square (33).
This gives a four figure grid reference of 4733.

Six- figure grid references

To give a 6 figure grid reference for the information centre start by finding the line that runs up the left hand side of the square (47) then imagine that the square is divided into tenths (this has been done for you on the diagram) and count across the tenths (6). Then give the line that runs across the bottom of the square (33) and count up the tenths (4).
Put it altogether to give a grid reference of 476 334

Year 7 Geography: Using maps effectively

Relief: the height of the land. Steep or flat

Steeper slope

Contours

Contours are orange lines found on an OS map that join places of equal height above sea level. They show the height of the land in metres by the numbers marked on them. They also show the steepness of the land by how close they are together (the closer the lines the steeper the slope).

More gentle slope

Spot Heights

Spot heights are black dots with a number next to them that give the height of that particular spot.

Inferring things from maps

As a geographer you should be able to describe and interpret a map.

Describing locations

When you are asked to describe the location of something then write about what it is near. Use the scale calculate exactly how far away it is and also use compass points to describe he direction.

Inferring things from map evidence

You also need to be able to work something out using map evidence. For example you might be asked what evidence there is that tourism is important along a particular section of the coast, so you might look for a sandy beach, a cliff topic path and blue symbols which show tourist facilities e.g. a tourist information centre or a campsite.

Drawing a field sketch

A field sketch is used to show the main geographical characteristics of a landscape. It should be an accurate outline sketch and include labels and annotations.

Kallang River in Bishan Park

Residents can enjoy a scenic view of the river.

The area surrounding the river is used for recreational activities

The concrete canal has been transformed into a natural river.

Latitude and Longitude

Latitude lines on an atlas map run horizontally around the earth and tell us how far north or south of the Equator (0 °). So for example London is 51°N.
Longitude lines run vertically around the earth and they measure how far east or west of the Prime Meridian (a line of longitude that runs through Greenwich in London). So for example London would be 0° W.
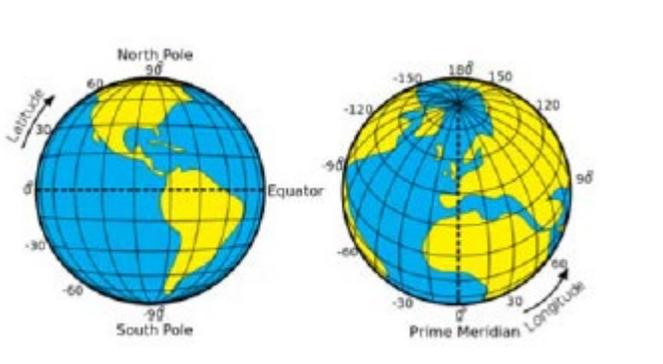
Neolithic Britain (4000 BC to 2500 BC)

1. Neolithic people began to farm (grow crops & keep animals like pigs and goats) – previously humans in Britain had been mobile hunter-gatherers.

2. Probably worshipped the sun and moon.

3. Initially used tools made from stone (like a Hammerstone or flint axes), wood or animal parts (bones, antlers)

4. Use menhirs and megaliths to build long barrows and stone circles. These were often used for burial and worship.

- **Local Examples of Neolithic Monuments:** Stonehenge, Avebury, Silbury Hill, West Kennet Long barrow, Stony Littleton Long barrow, Stanton Drew Stone Circle.

Stonehenge 2600 BC

5. Sarsen stones (big ones) from Malborough Downs near Devizes
6. Bluestones (smaller ones) transported from Preselli Hills in Wales
7. The Sarcen stones put up using wooden scaffolds
8. 25% of the menhir might be buried underground
9. Sunlight hits the Altar Stone at the Summer Solstice (21st June) and the Winter Solstice (21st December)
10. Hundreds of people involved in transportation, digging and building of Stonehenge.

Neolithic / Iron Age Diet
Cows, fish, pigs, mushrooms, hazlenuts, yoghurt, blackberries, raspberries, juniper berries, wheat, cheese

Challenge yourself to learn more about Pre-historic Britain here:
https://www.bbc.co.uk/bitesize/topics/z82hsbk/articles/zpny34j

Iron Age Britain (800 BC to 43AD)

Hillforts – defensive forts on flat-topped hills. Protected with ditches, banks and a single entrance.
Local Examples: Cley Hill, Barbury Castle, Scratchbury Camp

The Celts:
11. European tribe which arrived in Britain around 500BC.
12. fierce warriors (including the women).
13. Often fought naked with just iron swords, spears and wooden shields.
14. Used chariots and **woad** (from plant leaves) to paint frightening blue designs on their bodies.

Worship
15. **Sacrifice** – gave their gods valuable objects to keep them happy. They also sometimes sacrificed animals or humans.
16. Moon, stars and sun and the natural world were seen as sacred, and they worshipped in places like lakes, rivers, cliffs and forests.

Neolithic / Iron Age Housing

Long houses or smaller roundhouses. Walls of wattle and daub and a thatched roof.

What metals can be smelted?
Pre-historic people slowly worked out how to make hot enough fires to melt certain metals to make objects with.

The Copper Age 4000 BC – 2500 BC
The Bronze Age 2500 BC – 800 BC
The Iron Age 800 BC – AD 43

History – KPI 1: Prehistoric Britain

Key term	Definition
Century	Period of 100 years
Decade	Period of 10 years
Chronology	Study of dates, dating and ordering of events
Evidence	Available facts and information to prove if something is true
Henge	Circular chalk bank
Long barrow	Neolithic burial mound
Antler pick	Deer antler used for digging
Menhir	A large standing stone
Hillfort	Settlement protected with fences and banks (Iron Age)
Torc	Metal neck ring (Iron Age)
Druid	Iron Age priest and leader
Wattle and Daub	Sticks and mud (for walls)
Thatch	Grass / Straw used for roofing
Megalith	Large rock or boulder used to build a structure

Diagrams:

Key content

In this topic you will find out all about the fundamental elements that make up music (the elements of music). You will learn to analyse how these elements have been used in pieces of music that you listen to and play. You will learn to play the melody with your right hand and the chords with your left hand.

Key vocab

Word	Definition
Dynamics	How loud or quiet the music is
Rhythm	A collection of beats together
Tempo	The speed of the music
Tonality	The tone of the music – major (happy) or minor (sad)
Structure	How the music is organised
Melody	The main tune
Instrumentation	The instruments/voices used in a piece
Texture	How many layers there are in the music
Harmony	A combination of different notes/chords together
Chords	2 or more notes played together

More info can be found here: **Listening**

Counting Stars:

https://www.youtube.com/watch?v=tzMGDIU_-ow

Key content

Run – running is very common in lots of sports. Particularly invasion games such as rugby/football/netball. But also in athletics, marathon running.

Throw – throwing is used across many sports, invasion games such as basketball/handball/rugby. Likewise, in cricket, rounders, javelin, shot putt players must throw to compete.

Catch – catching is needed for invasion games and striking/fielding games. To score points and to get people out.

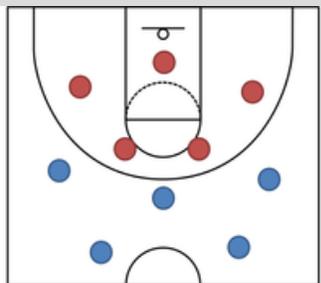**Jump** – needed for lots of games and sports. Specifically long and high jump

Key vocab

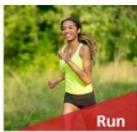| Word	Definition
Skill	the ability to do something well; expertise
Technique	a way of carrying out a particular task, especially the execution or performance
Tactics	Tactics are **the skills required in any game** that allows a player or team to effectively use their talent and skill to the best possible advantage.
Rules	rules are **in place for safety of the players, integrity of the game and to create as fair a competition as possible**
Regulation	A regulation is **a bit more formal than a rule** – it prescribes the required conduct or action exactly;
Strategy	Strategies are often **pre-arranged and rehearsed** plans to be effective in a competition.

Diagrams:

Player marking

Zonal marking

Catch			Soccer
Jump			Basketball
If You Can ▶ **Run**	You Will Take Part In ▶		Volleyball
Swim			Track and Field
Throw			Squash
			Rugby
			Tennis

Catch			Soccer
Jump			Softball
If You Can ▶ **Throw**	You Will Take Part In ▶		Bowling
Swim			Baseball
Run			Goalball
			Football
			Rugby

Throw			Swimming
Jump			Diving
If You Can ▶ **Swim**	You Will Take Part In ▶		Water Polo
Catch			Scuba
Run			Kayaking
			Sailing
			Surfing

6. PHYSICAL ME (Term 5&6)				
RULES AND REGULATIONS				
Know basic rules and regulations.		red	yellow	green
SKILLS AND TECHNIQUES				
Perform basic skills and techniques		red	yellow	green
TACTICS AND STRATEGIES				
Perform some tactics and strategies needed for the sport.		red	yellow	green

Year 7 RE Term 1 Worldviews

Key word	Definition
Worldview	A personal view of the world
Theist	A person who believes in the existence of a god or gods
Atheist	A person who does not believe in the existence of a god or gods
Agnostic	A person who is unsure & sceptical about the existence and nature of God
Religious	Relating to or believing in a religion (system of faith)
Lenses	Difference ways of studying religious beliefs and practices
Theology	The study of the nature of God and religion
Philosophy	The study of reality, existence and morals
Sociology	The study of the development, structure and functioning of society
Tolerance	Willingness to allow opinions and beliefs that you do not necessarily agree with
After life	Beliefs about life after death, e.g. in Christianity a belief in Heaven/Hell
Morals	Standards of behaviour and our understanding of what is right/wrong
Culture	The ideas, customs and behaviour of particular groups in society

Key Content:

A **worldview** is like a pair of glasses that helps you see and understand the world. It's made up of your beliefs, values, and the way you think about life. Your worldview helps you make sense of everything around you, like why things happen, what's important, and how you should act. Even if you don't realize it, everyone has a worldview. It's shaped by your family, culture, religion, friends, and personal experiences, and it can change as you learn and grow.

Worldviews are important because they influence how people live their lives. They help you answer big questions like: *Why are we here? What's right and wrong? What happens after we die?* For example, someone who believes in science and facts might think differently about life than someone who believes in a higher power or spirituality. These different ways of thinking guide how people act and make decisions every day.

Understanding your own worldview helps you figure out who you are and what you believe in. It also makes it easier to understand why other people think and act differently. When you know about worldviews, you can be more open-minded, kind, and respectful toward others. This is super important because the world is full of different people with unique ways of thinking, and learning to get along can make life better for everyone.

In short, worldviews are like a roadmap for life. They help you decide where to go and how to get there while reminding you to respect the journeys of others!

Science   Cell Biology

Key content

Specialised cells are cells that are adapted to perform a certain function. They include:

Sperm Cells → have a tail to swim to the egg.

**Egg Cell** → contains nutrients to feed a growing embryo.

Palisade Cell → contains chloroplasts for photosynthesis.

Red Blood Cell → has no nucleus to transport as much oxygen as possible around the body.

Neurone → has a long axon to transport electrical impulses.

Root Hair Cell → has a large surface area to absorb water and minerals into a plant.

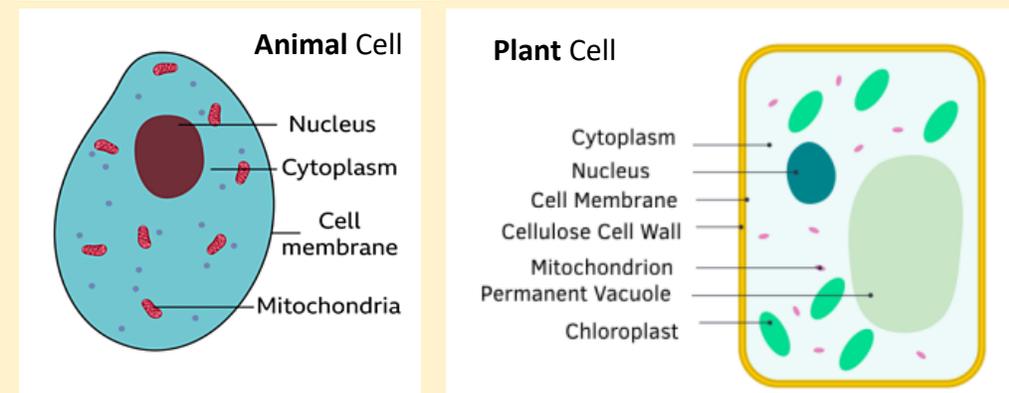**Ciliated Cell** → has microscopic hairs that waft mucus out of the body.

Sperm Cell

Egg Cell

Palisade Cell

Red Blood Cell

Neurone

Root Hair Cell

Ciliated Cell
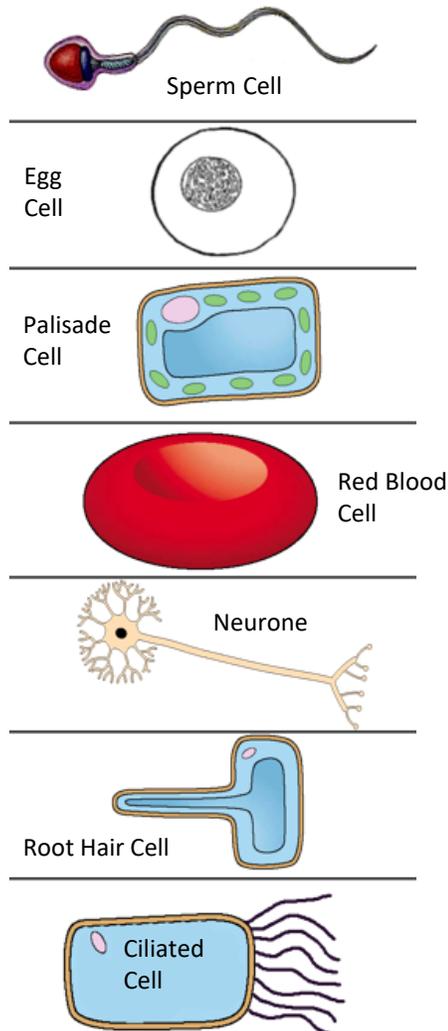
More information:

Key Vocab	Definition
Nucleus	A structure inside a cell that controls the cell and contains DNA.
Cytoplasm	Jelly inside a cell where chemical reactions happen.
Mitochondria	Structures inside cells that release energy.
Cell membrane	Structure around the cell that controls what enters and exits the cell.
Cellulose	A carbohydrate used to make the cell wall of plant cells.
Vacuole	A structure in a plant cell that contains cell sap.
Chloroplasts	A structure in plant cells that absorb light for photosynthesis.
Photosynthesis	A process in plants that uses light to make glucose (sugar) for the plant.

Diagrams with Key Content:

Animal Cell
- Nucleus
- Cytoplasm
- Cell membrane
- Mitochondria

Plant Cell
- Cytoplasm
- Nucleus
- Cell Membrane
- Cellulose Cell Wall
- Mitochondrion
- Permanent Vacuole
- Chloroplast

UNIT 3. ¿CÓMO ESTÁS?
I can greet and say how I am

¿Qué tal?/¿Cómo estás? *How are you?*

				MASC	FEM
Hola *Hello*		**fenomenal** *great*		**cansado** *tired*	**cansada** *tired*
Buenos días *Good morning*				**contento** *cheerful*	**contenta** *cheerful*
Buenas tardes *Good afternoon*	**estoy** *I am*	**muy bien** *very well*	**porque estoy** *because I am*	**estresado** *stressed*	**estresada** *stressed*
		bien *well*		**feliz** *happy*	**feliz** *happy*
Buenas noches *Good evening / Good night*		**regular** *so-so*		**nervioso** *nervous*	**nerviosa** *nervous*
				relajado *relaxed*	**relajada** *relaxed*
Gracias *Thank you*		**mal** *bad*		**tranquilo** *calm*	**tranquila** *calm*
		fatal *awful*		**triste** *sad*	**triste** *sad*

Author's note: **"Estoy"** *means* **"I am"**. *It is often used to talk about how you are feeling or how you are.*

THE LANGUAGE GYM

LAST PAGE