



# Why should I self-quiz?

on the other than is effectively limitless. working memory is limited, and therefore it can be very easily overwhelmed. Your long-term memory Your mind is split into two parts: the working memory, and the long-term memory. Everybody's

These facts and processes can be retrieved to stop your working memory becoming overloaded. You can support your working memory by storing key facts and processes in long term memory.

information that needs to be memorised to help you master the subject and be successful in lessons. This booklet contains knowledge organisers for each of your subjects. Each organiser has the key

# How often should I self quiz?

many ways to learn the material in your knowledge organiser. information in your knowledge organiser, you will need to work with it more than once! There are Research shows that regular self-testing improves knowledge retention; in order to learn the

# How to use your Knowledge Organiser

0 as much as you can from memory. Check the knowledge organiser to see if you are right; Cover - Write - Check: Cover up one section of the knowledge organiser and try to write out correct any mistakes and fill in any missing information in a different coloured pen.

Repeat this process at least twice to fill your page. You could also include content from the previous week's homework, especially if there were some parts that you struggled with.

- 0 Draw a mind map: Jot down everything that you can remember from the knowledge organiser. Check accuracy, correct in a different coloured pen and repeat.
- 0 Revision Clock: Draw a clock and add the topic in the middle. Break the clock face into clock ands recite the information aloud. 10-minute sections. Add notes from the knowledge organiser in each section. Cover the
- 0 Create Flashcards: Use the information from your knowledge organiser to create flashcards keyword on one side and the definition on the other. these could be double sided, with a question on one side and the answer on another, or a



they test themselves after learning something Research shows a student remembers 50% more when





Reading for 6 minutes a day reduces stress by 68%.



Read 20 minutes a day and you'll read 1,800,000 words per year.

		We	Week 2		
20 Minutes Per Subject	Monday	Tuesday	Wednesday	Thursday	Friday
Subject 1	Science	English	English	Maths (MyMaths)	Science
Subject 2	RE	Maths	RE	Drama	Geography
Subject 3	Music (Practical)	History	Technology / IT	MFL	Art (Practical)

		We	Week 1		
20 Minutes Per Subject	Monday	Tuesday	Tuesday Wednesday Thursday	Thursday	Friday
Subject 1	English	Science	Maths (Mymaths)	Maths	English
Subject 2	RE	PE	RE	Science	Geography
Subject 3	Music	History	Technology / IT	MFL	Art

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# **Homework Schedule**

You should complete at least one hour of Home Learning per school day.

## This will consist of:

- **o** Knowledge Organiser and Online Learning as directed by your teachers.
- 0 If you have no tasks set, carry out Knowledge Organiser activities as per the Knowledge
- Two periods of 20 minute reading each week



# What are the homework expectations?

Each homework must meet the following 5 requirements:

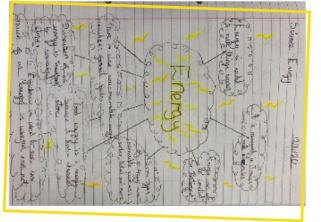
- 0 Write the complete title and date in full e.g Wednesday 7th June 2023 on each page and underline.
- 0 You should include minimum of words to summarise the topic. Do not copy the words from the text.
- 0 Make full use of the page for each topic by scaling your notes and images appropriately to use all the space
- 0 You must include diagrams, sketches, or cartoon doodles to visually represent the topic, try to use humour.
- 0 Highlight key words and phrases, using underlines and highlighter pens, and explain technical terms

# How should I present my work?

ruler and you should present your work as neatly as you are able to. class work: dates and titles (which should be the name of the subject) need to be underlined with a Please remember that the same rules apply to the presentation of your homework as applies for your

If you are self-quizzing correctly, there should be evidence of green pen on your page. Here are some examples of how to set out your work:





### DON'T FORGET!

Always record the date, topic, and page number in your Home Learning Book!

Formal Elements		20. Three Dimensional - 3D	Having length. Width and depth. Something that is solid.	
	c elements that are used by Artists in creating Art: they to create an aesthetically pleasing work. When we make	21. Still life	A painting or drawing of inanimate (still) objects	
· ·	nderstand and apply these Elements of Art.	22. Landscape	A picture of a town or countryside, also a composition that is sideways.	
The formal element	Portrait Keywords	23. Portrait		
1. Line	A single mark made by an implement	23. Portrait	A picture of a person, also a composition that is upright	
2. Tone	How dark or light a shape is. You can use a pencil to shade or make colours lighter or darker. This makes objects look real and solid	24. Chiaruscuro	(An Italian word meaning `light and dark'.) The technique of suggesting 3 dimensional form by varying tones of light and dark paint	
3. Form	a three dimensional shape	25. Impasto	Thick paint applied by brush or palette knife.	
4. Pattern	When shapes, colours or lines are repeated	26. Cross-hatching	Lines are placed over each over at different angles to build up areas of tone.	
5. Colour	There are three primary colours: Red, Yellow & Blue. By mixing any two primary colours we get a secondary colour			
	e.g. Yellow & Blue = Green	Types of Drawing		
6. Texture	How the surface of something feels.	1. Expressive drawing	A drawing that shows your thoughts and emotions	
7. Shape	The outline or form of something	2. Design Drawing	A drawing that is detailed enough to allow someone	
8. Composition	The position and layout of shape on the paper.		to recreate what you have drawn	
9. Focal Point	The place to which the eye is lead within a picture, the main interest.	3. Observational drawing	A first hand study- when you are looking at the object in real life	
10. Foreground /Background	The front of the composition and that which is behind it.	4. Sketching	A quick drawing that shows the basic shapes and details	
11. Proportion	Scale	5. Development drawing	A longer more sustained drawing that may be on a larger scale	
12. Sketch	A rough drawing. A small trial run to see if ideas work.	6. Perspective	How the surface of something feels.	
13. Space	The distance around and between things.	7. Media	What you use in your hand to make a mark on the	
14. Perspective	A way of making a drawing or painting look deep and real. A method of making things appear near or far		page	
15. Medium	The tools and materials used by an artist.		Colour Wheel	
16. Rhythm	A regular measured beat. In art this can be shown as repeat shapes, patterns or colours	Primary colours		
17. Symmetry	When two sides or shapes are nearly the same.	secondary co	is complementary to	
18. Symbol	A simple sign which stands for something bigger or complex.	secondary co		
19. Two Dimensional - 2D	Having length and width only, something which is flat.		is complementary to	

### Shading is used to

Tone—Light and Shade, pencil shading

make objects appear 3-Dimensional

Y7 ART

#### Artist Profile

Jasper Johns (May 1930)



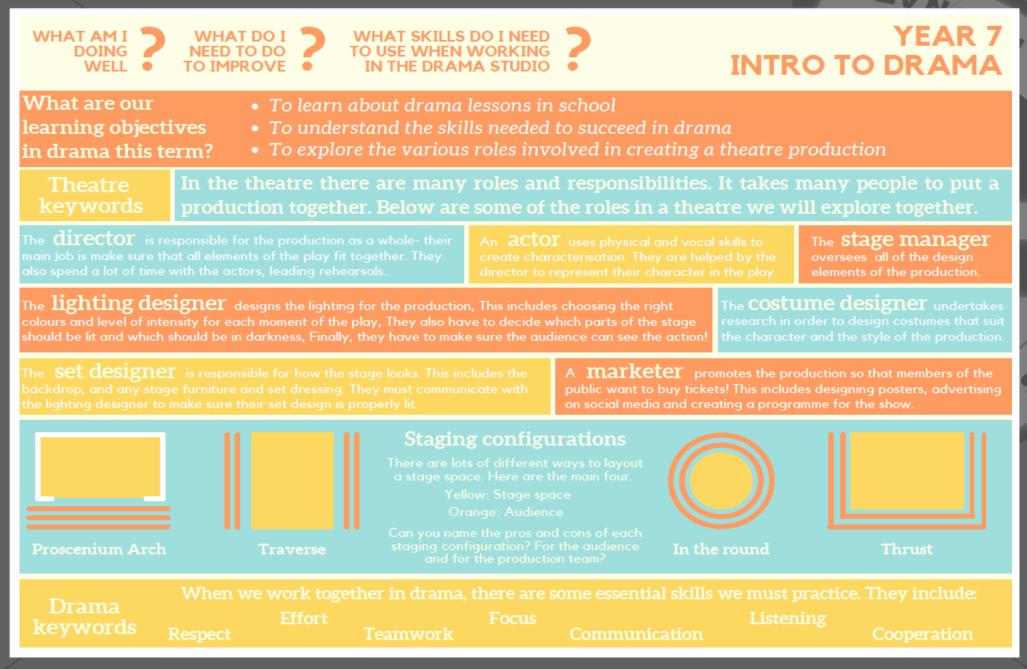
- 1. Born in Augusta, Georgia, USA
- 2. He is a sculptor and printmaker whose work is associated with abstract expressionism, Neo-Dada, and pop art.
- 3. He is well known for his depictions of the American flag and other US-related topics.
- Johns has received many honours throughout his 4. career, including receipt of the National Medal of Arts in 1990, and the Presidential Medal of Freedom in 2011
- 5. In 1952 and 1953 he was stationed in Sendai, Japan, during the Korean War.

#### David Hockney (July 1937 - )



- He is British painter who lives and works in 1. Yorkshire and California.
- 2. He has also used photography and modern technology like iPads and fax machines in his work.
- 3. His paintings sell for millions of dollars.
- 4. The Tate Gallery says he is 'perhaps the most popular and versatile British artist of the 20th century'.

Y7 DRAMA



#### Y7 DRAMA



WHAT DO I NEED TO DO TO IMPROVE

WHAT ARE THE KEY SKILLS THAT I NEED TO LEARN TO USE IN THE STUDIO

#### YEAR 7 INTRO TO DRAMA

#### What are our learning objectives in drama this term?

- To learn about drama lessons in school •
- To understand the skills needed to succeed in drama .
- To explore the various roles involved in creating a theatre production •

brama keywords

front of one another. These skills are listed below.

In drama it's vital that we show **respect** by paying attention when someone else is speaking, and being positive about other people's contribution. We are all as important as each other in drama! n drama, we use a skill called **acting** . This neans to use physical and vocal skills to represen a character who is different to ourselves.

To **stay in role** is to stay focused on the character you are playing throughout a performance, even when you are not speaking. This involves maintaining any physical and vocal skills you are using throughout, and not giggling or staring into space!

One of the most important skills we use in drama is **IOCUS**. This is the ability to concentrate and not be distracted during a performance, exercise, rehearsal or game.



Effort is how hard you work to give everything your best shot. You don't have to get everything right but you do have to try your best. **Teamwork** is very important in drama! You will often work as part of a group, and it's important that you listen to each other and cooperate in order to complete each task and achieve your goals.

Characterisation Thought-track Freezeframe A group of actors become A character addresses the Making choices about the completely still and silent audience directly about physical and vocal skills in order to create a still that you think will suit their thoughts and image which highlights an feelings at a particular your character, and important moment in the moment of the piece, keeping them up action, making use of all while all other actors throughout a remain in a freezeframe. physical skills. performance.

#### Y7 DRAMA

WHAT AM I DOING WELL WHAT DO I NEED TO DO TO IMPROVE

#### WHAT CLUES ARE THERE IN THE SCRIPT THAT SHOW ME HOW TO PLAY MY CHARACTER

Audience

Using

awareness:

positioning

and clarity to

improve the

audience's

experience.

#### Performance Techniques

Exciting conventions which make each scene more interesting.

Thought tracking: A character speaks to the audience about their thoughts and feelings.

#### Doc the bar manager:

Doc is bored of the quiet life behind the bar and wishes for a life full of 'booze, birds and brawls'.

Jessie the barmaid: Jessie is a young woman who works in the saloon. She once saw Wyatt Earp shoot a man. Allows the audience to see two scenes side by side on stage. Still image: The actors on stage

> freeze to create a frozen picture which highlights an important moment

Projection: Using the muscles in your tummy to make your voice fill the entire performance space.

Cross cutting:



The Sheriff has been struggling with a group of trouble makers in the town. M

Sheriff Winter:

Meet the characters in

COWBOYS

Mrs Winter: Mrs winter wants to be her own woman and misses to the days of her

the days of her youth before she had to marry for money.

#### Key words <sup>d</sup>

#### CHARACTERISATION

Using a range of physical and vocal skills to show a character who is different to you.

#### BACKGROUND

Your character's past life experiences- where they come from, their upbringing, how they have been treated.

#### REHEARSAL

Working together in a group to practice a part of the script and share ideas about how it should be perfromed.

#### ACCENT

The way a person speaks- can show where they are from and sometimes class or status.

#### TONE

The emotion behind what your character says e.g. an angry tone, a surprised tone.

#### FACIAL EXPRESSION

Showing emotion through your face- eyes, mouth, eyebrows...

#### YEAR 7 Cowboys

#### PACE

The speed at which your character speaks or moves.

#### STANCE

The way a person stands.

#### GAIT

The way your character walksdo they have a narrow gait or a wide gait?

#### POSTURE

The position in which someone holds their body when they sit or stand- can give us clues to their personality.

#### GESTURES

Using your hands (or sometimes eyes and head) to communicate meaning with other characters and the audience e.g. pointing/winking.

#### PITCH

How high or low your character's voice is.

#### BODY LANGUAGE

Showing emotion through the way you sit, stand or position yourself.

Task A: Research 'The American Frontier'. What was life like in America in the 1700s? Task B: Design the set and costumes for a production of Cowboys. What do you need to consider?

#### **Y7 ENGLISH**

#### Y7 Non-Fiction Reading and Writing

#### • When we read a text we make ASSUMPTIONS based upon what we read, this is called **INFERENCE**. Inference is an important part of reading because it is the way that we can determine what the writer thinks more deeply.

- Non-Fiction texts are based upon facts and real-life events.
- Some examples of Non-Fiction texts are:

#### Newspaper – Autobiography - Advert Biography – Letter – Review – Advert - Leaflet - Instruction manual

Writing a comparison		Persuas	sive Language techniques	4	View	/point	how diffe situation
When we are comparing two texts, we need to use the following vocabulary to show similarities/ differences:	1	Direct Address	uses 'you' to speak to the reader directly	5	Sum	marise	state the read
Similarly	2	Metaphor	describing something as something else with similar qualities			How to <b>v</b>	
Whereas	3	Oxymoron	two adjacent words which are opposites	P	pint	The writer mak	es us think tha
Both In contrast	4	Hyperbole	exaggerated statements not meant to be taken literally	E	vidence	For example, One quote to sh	
_	5	Simile	compares two things using 'like' or 'as'	Т	•	This is an exam	ple of the writ
Purpose Non-fiction texts can have different purposes including:	6	Exaggeration	representing something as better or worse than it actually is	Ē	echnique xplain	This suggests/s Evokes to the r This is used to	eader show that
Persuade - convince the reader to	7	Adjective	describes a person, place or thing			The connotation This links to At the time the	
believe something	8	Rhetorical Question	a question which requires no answer	R	elate		
<b>Inform</b> - teach the reader new information about a topic	9	Emotive language	words chosen to evoke an emotional response			<b>ive Struct</b> n effective ar	
<b>Explain</b> – tell the reader how to do something or how it works	10	Facts and Statistics	real evidence used to prove a point, can be %			<b>n</b> – repeat we	
We change the language we use depending upon the purpose of the text.	11	Irony	say the opposite of what you mean in order to be humorous			<b>rgument</b> – a I <b>tences</b> – ade	

	Non-Fiction Keywords
Compare	state the similarities and differences between the language and meaning of two texts
Autobiography	writing about real events of your life
Biography	writing about real events of someone else's life
/iewpoint	how different people/writers see a situation/topic
Summarise	state the key points of what has been read

#### bout non-fiction:

Point	The writer makes us think that		I
Evidence	For example, One quote to show this is		
echnique	This is an example of the writer using a		
Explain	This suggests/shows/implies/connotes/indicates/ Evokes to the reader This is used to show that The connotations of this are	$\boldsymbol{\Lambda}$	
Relate	This links to At the time that the text was written,	Jan	

#### tures

1 С

2 Α

3 В

e can use:

rases

dge the other side to an argument

#### Y7 ENGLISH – The Victorian Poor & Dickens

#### Overview of the Victorian Era

Victorian Era – this is the period of Queen Victoria's reign, from 1837 until her death in 1901. The 1800s was a period of rapid industrial development throughout Britain. It was characterized by the growth of factories, and the mass production of manufactured goods. There were many changes to how people lived because the population of England doubled between 1800 and 1850. Cities grew as people moved from the countryside to find work.

#### Living Conditions of the Poor

Previously, the rich and poor had lived in the same districts: the rich in the main streets; the poor in the service streets behind. Now, wealthier people moved out of town centres to the new **suburbs** – leaving the poor housed in the city centre. Much of the housing for the poor was demolished in order to make **factories**. This meant many of the poor were forced to **live on the street** and in **slums**.

#### Why workhouses?

In 1834, the government amended (changed) the **Poor Law** and set up a network of **workhouses**.

The **middle** and **upper** classes felt that too much money was given to supporting the poor in local parishes and that this encouraged laziness. The government decided to only offer relief (aid) to the poor if they **worked hard** in return for a place to stay. This was intended to be harsh experience so that it reduced laziness and cut the costs of supporting the poor..

An economist called **Malthus** had published a theory about **population growth** which supported the changes to the Poor Law. He thought that

there would never be enough food to feed the growing population so it made sense to let the poor die and reduce the population. Charles **Dickens** did not agree with this and neither did Thomas **Barnardo**.

#### Key skills: understanding context

The **context** of a text is information such as: **where** and **when** it was written, **who** it was written by, and **what** was happening at the time (politically and socially), when it was **published**. All of these influence the **writer's purpose** and the **effect** it has on its audience. In order to understand a text it helps to understand something about the time s/he was writing.

#### **Charles Dickens**

Charles Dickens (1812 – 1870) Although Charles Dickens is best described as **middle class**, he was sympathetic to the suffering of the poor (**working class**), perhaps because he had some insight into their working conditions. When he was 12, he was sent to work in a factory because his father had been imprisoned for not paying a debt. This influenced the way he saw the working class as he realised that many worked hard for low wages: they were not all lazy and lacking moral standards.

#### What were workhouses like?

Programme about Workhouses and Children's Homes in Victorian Britain:

#### https://www.bbc.co.uk/programmes/p011t0t5

This programme covers information about what kind of things happened in workhouses and explains why people were so reluctant to go there.

- families were separated
- men did harsh physical activities like oakum picking and stone breaking women did all the cleaning and household duties
- punishments (for things like trying to escape) were public to deter others
- food was very basic

#### Make a Point

Sum up the main answer to the question in one full sentence. <u>Use Evidence to</u> <u>support</u> your point.

Can you identify any <u>Techniaues</u> that the writer has used? <u>Explain</u> why you selected that quotation – <u>what's</u> the <u>Effect</u> on the reader?

Can you <u>Relate</u> your ideas to historical knowledge?



Point	The writer makes us think that
vidence	For <u>example</u>
echnique	This is an example of the writer using a
xplain	This is used to show that
ffect	The effect on the reader is
Relate	I think the writer was trying to make the reader feel

#### Geography topic 1: Becoming a Geographer



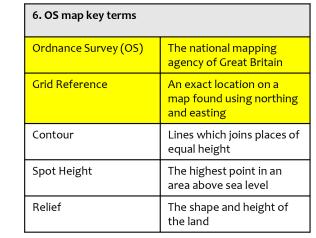
1. Three types	of(	Geograpł	у	2. Atlas Skil the Index	ls – Using
Human			affects or enced by	<ul> <li>Place name</li> <li>Place it is within (country/contine</li> <li>Page number</li> <li>Grid square</li> </ul>	
Physical		The nat	tural world		
Environmental		The processes which shape our world			
3. Countries of the UK	England		Scotland	Wales	Northern Ireland
Capitals	Lor	ndon	Edinburgh	Cardiff	Belfast

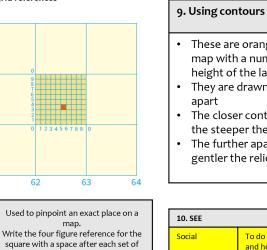
4. Bodies of water around the UK	Atlantic Ocean	English Channel	North Sea	Irish Sea
Location from the UK mainland	West	South	East	West

5. Describing Pl	aces Key Terms
Landmark	An object or feature which is easily seen and recognised from a distance, often used to establish our location.
Climate	The pattern of weather over time
Topography	The shape of the land
Biome	A large, naturally occurring major habitat
Settlement	A place people have established to live
Industry	Economic activity in a place
Population	The people who live in a place

#### 8 Six-figure grid references 7 Four-figure grid references 54 35 53 Approx 1.5 km Northings (up the stairs) 66 05 12 25 25 34 33 **⊲**1 km▶ 32 ⊾ 61 27 28 29 30 31 32 62 Eastings (along the corridor) ► 1. Used to identify a square on a map. 1. Always go East along the corridor and 2. 2. then North up the stairs. Follow the Eastings to the bottom left of numbers. The one above is 62\_33\_ the square you want. Write this down. Imagine the square is divided into 100 3. Use the Northings to find the same corner. 4. squares with 10 along each side Go along the corridor and up the stairs 4.

Write this number after the Easting. The one shown is 2951.





and add the numbers in in this order. The example above is 625333

- These are orange lines on an OS map with a number showing the height of the land
- They are drawn an equal distance
- The closer contours are together the steeper the relief
- The further apart contours are the gentler the relief

10. SEE	
Social	To do with communities, people and how they live
Economic	To do with income, employment and businesses
Environmental	To do with the surroundings

#### Y7 GEOGRAPHY - Russia

#### Geography Topic 2: Russia



Volcano

2. Physical features key words

1. Facts about the location of Russia
Largest country in the world by area
In both Europe and Asia
Coastline on the Arctic and Pacific Oceans



Marsh	Low-lying area which is flooded in wet seasons or high tide and is waterlogged
Mountain	A large elevation rising to a summit
Mountain Range	A series of connected mountains
Peninsula	A piece of land almost surrounded by water or projecting into a body of water
Permafrost	Permanently frozen ground found in tundra and polar regions
Plain	Flat area at a low elevation
Plateau	Flat area at a high elevation
River	A large stream of water flowing in a channel to the sea, a lake or another river
Steppe	A large area of flat unforested

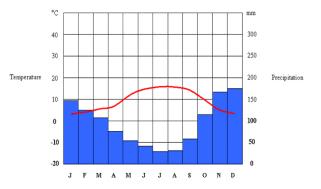
grassland in SE Europe or Siberia

A mountain or hill through which lava, rock, gas and ash has erupted

#### 3. Climate Graphs

Climate graphs contain three pieces of information

- Months (x-axis)
- Temperature in degrees Celsius (line graph)
- Precipitation in millimeters (bar chart)



4. Biomes in Russia		
Tundra	Taiga	
Plain covered in permafrost	Coniferous forests	
Found at high latitudes in both hemispheres	Found in the Northern Hemisphere including Russia, UK, Canada and Sweden.	

5. Plant adaptations in the Taiga		
Evergreen trees		
Thick, resinous bark		
Pinecones		
Long, shallow roots		
Trees have long, thin needles		
Downward sloping and springy branches		

6. Population key words	
Population Density	Number of people living in a given area
Densely populated	Many people living in an area
Sparsely populated	Few people living in an area

#### 7. Calculating population density

Population Area	Population Density		
8. Sectors of Industry	8. Sectors of Industry		
Primary sector	Includes jobs in which people extract raw materials		
Secondary sector	Includes jobs in which people make products out of raw materials often in factories		
Tertiary sector	Includes jobs in which people provide a service for others		
Quaternary sector	Includes jobs in which people research and invent things using advanced technology		
Raw materials	Basic materials, e.g. wood or metal which can be used to make something		
9. Economy in Russia key words			
Commercial farming	Farming to make a profit		
Subsistence farming	Farming to provide food for yourself – anything left after can be sold.		
Livestock	Animals reared to make a profit		

10. Levels of Development	
HIC	High Income Country
NEE	Newly Emerging Economy
LIC	Low Income Country

#### Y7 History – Anglo-Saxon and Norman England

History To	3. The Succ	
and Norm	Heir	
1. Anglo Saxons: Government		Viking
Edward the Confessor	The Anglo-Saxon King 1042- 1066	William Duk
Witan	A council who helped the king make decisions	Normandy
Thegns	Noblemen who were given land by Earls	Harald Hard
Earls	Most important member of the aristocracy, below the King.	Edgar Aethl
Earldom	An area of land owned by an Earl. Wessex was the richest Earldom	Harold God
Aristocracy	Highest class in society	4. Battle of
	consisting of the king/ Earls/ Noble	Normans
2. Anglo Sax	ons: Society	Infantry
Peasants	A poorer person in society, usually a farmer	Cavalry/Knig Shield wall
Slaves	A person who is the property of another person	Feigned reti
Danelaw	Area occupied by Vikings during Anglo-Saxon times	
5. Castles	•	1
Motte and Bailey castleAn original Norman castle. The Motte w with the actual castle on the top, the Ba an area at the base where the soldiers		p, the Bailey was
Keep         The structure/ castle on top of the hill. The of a Motte and Bailey Castle was made from wood, they were then replaced with stone.		as made from
Palisade		
Siege The surrounding of a key location to cut off supplies and cause surrender		tion to cut off

. The Succession Crisis				
leir	Someone who is next in line to be king or queen			
/iking	People of Scandinavia (Denmark, Norway, Sweden). The Vikings living in England were called Danelaw.			
Villiam Duke of Iormandy	Ruler of a small country, at the top of France, called Normandy. He was a distant cousin of Edward the Confessor.			
larald Hardrada	King of Norway. He believed he could invade England and take the throne. His claim was based on a secret deal with another Viking called Magnus.			
dgar Aethling	Edward the Confessor's 9 year old nephew. He had royal blood but was too young.			
larold Godwinsor	The most powerful Earl in 1066 who went on to succeed Edward the Confessor			
. Battle of Hastings				
lormans	People from Normandy			
nfantry	Soldiers on foot			
avalry/Knights	Soldiers on horses			
Shield wall	Soldiers stood in a line with their shields overlapping to protect them			
eigned retreat	An army retreats to trick the other army in to breaking formation			
	6. The Feudal System			
was a hill Bailey was s lived.	KING Provides money and knights Grants land to			

BARONS

KNIGHTS

VILLEINS

Grantland to

Grantland t⊙

Provide protection and military service

Provide food and services when demanded

7. Methods of Norman Control		
Feudal System	William's order of society which showed who was in charge of whom and who had to work for whom	
Knights	Gentlemen-soldiers who were born into wealthy military status	
Domesday Book	A book which contained a highly detailed survey of the whole of Norman England. It helped William know how much tax people should pay, it solved legal arguments over land and it helped to raise an army.	

8. Narrative skill keywords		
Narrative	Similar to a story, which contains causes of an event, explains the event and finishes with an outcome	
Causes	The reasons the event happened	
Consequences	Something that happens because of the event	
Chronological	Putting events in order of time	

9. Timeline		
1042	Edward the Confessor becomes King	
1053	Earl Godwin died and Harold Godwinson becomes Earl of Wessex	
January 1066	Edward the Confessor dies	
20th Sept 1066	Gate Fulford	
25 <sup>th</sup> Sept 1066	Battle of Stamford Bridge	
14 <sup>th</sup> Oct 1066	Battle of Hastings	
1085-1086	Domesday Book created	
1087	William Duke of Normandy dies	

#### Y7 HISTORY – Medieval Life

1. Thomas Becket			
Monarch		A King or a queen	
Archbishop of Canterbury		Senior bishop and principal leader of the Church of England	
Excommunicat	ed	Excluded from the church	
Henry II		The monarch who attempted to reduce the power of the Church	
2. Magna Carta			
Magna Carta		A royal charter (a formal document) of rights agreed to by King John	
Тах		Money paid to the king	
Democracy		A system in which the population vote on possible leaders/laws/rules	
Parliament		Made up of Members of Parliament (MPs) who advise the monarch and pass laws	
3. Black Death	3. Black Death		
Plague	A disease which spreads quickly often causing the formation of buboes		
Miasma	What medieval people called 'bad air' which they believed would make you ill.		
Beliefs	4 humors, God, planets, cats and dogs		
Treatments	Lancing buboes, drain pus, rebalance the humors		
Preventions	Prayer, moved house, used smoke and herbs		

5. Peasants' Re	volt	
Revolt		A break away or rise against authority/ people in charge
Grievances		Living conditions, Black Death, inequality between rich and poor, taxes
Consequences		2000 people executed, rebellion crushed
Social		Anything related to people and society
Economic		Anything related to money
Political		Anything related to government and law
6. Crusades		
Crusade	Med	ieval conquest by Europeans in the Holy Land
Holy Land	Jeru	salem – birthplace of Jesus
Cause	Pope	e asked Europe to help the Byzantine emperor protect Jerusalem
Richard Lionheart	King	who led the third crusade
4	. The	e 4 Humors 7. Timeline



7. Timeline	
1154	Henry II Becomes King
1170	Murder of Thomas Becket
1189-1192	Third Crusade
1191-1194	Siege of Nottingham Castle
15 <sup>th</sup> June 1215	Magna Carta is signed
1348-1353	Black Death
1381	Peasants' Revolt

### Year Term 1A: Sequence 7 Mathematics

Y7 MATHS



What do I need to be able	heywords
to do?	Sequence: items or numbers put in a pre-decided order
By the end of this unit you should be able	Position: the place something is located
<ul> <li>Describe and continue both line or and</li> </ul>	Rule: instructions that relate two variables
	Linear: the difference between terms increases or decreases b
<ul> <li>Explain term to term rules for linear</li> </ul>	Non-linear: the difference between terms increases or decreasi
sequence	e: the gap bet

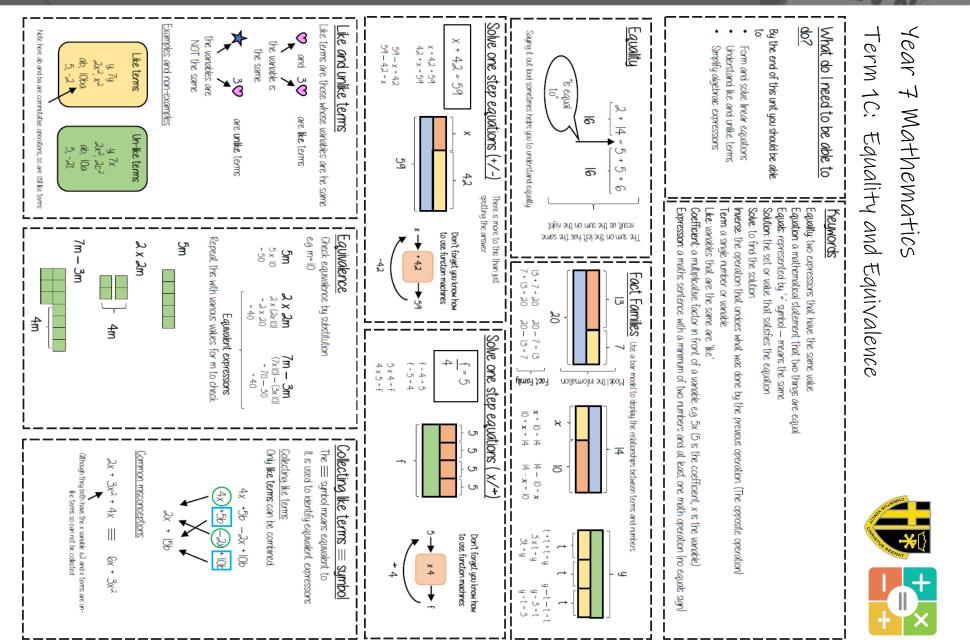
Explain term-to-term rule How you get from term to term Try to explain this in ful sentences not just with mathematical notation Use key maths language - doubles, halves, multiply by two, addi four to the p To explain a whole sequence you need to include a term to begin at	Continue Linear Sequences         7, 11, 15, 19         How do 1 know this is a linear sequence?         11 increases by adding 4 to each term         How do 1 need to make this conclusion?         Oil least 4 terms - two terms only shows one difference not if this difference is constant (a common difference)         How do 1 continue the sequence?         You continue to repeal the same difference through the next positions in the sequence.	What do I need to be able to: By the end of this unit you should be able non-lnear sequencesSequence I Term: Rule: n explain term to term rules for lnear sequenceSequence I Term: Rule: n 
Include       How you get from term to term         Include       Internet term is         found by the previous term       found by the previous term         holes, multiply by two, add four to the previous term etc.       The sequence         begins of 4.       First term	Continue non-linear Sequences I, 2, 4, 8, 16 How do I know this is a non-hear sequence? How may terms do I need to make this conclusion? Ot least 4 terms - two terms only shows one difference in this difference is constant (a common difference? You continue to repeal the same difference through the next positions in the sequence.	Add       Feynods       Each restrictions       Each restrictions <theach restrestr<="" restriction="" td=""></theach>

## Y7 MATHS Year 7 Mathematics

# Term 1B: Algebraic Manipulations



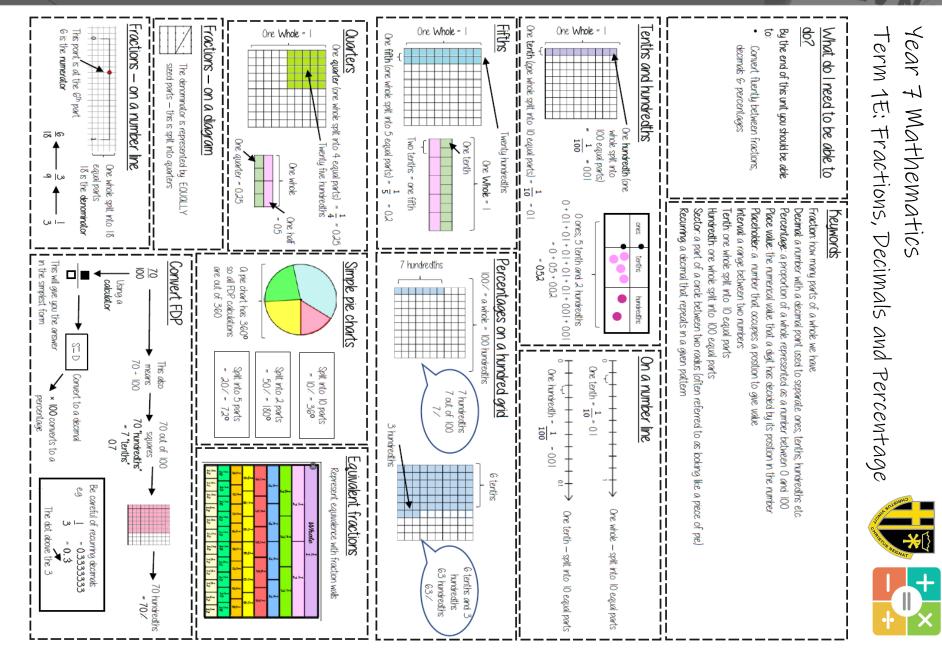
#### Y7 MATHS



0.1     0.1       0.1     0.1       0.1     0.1       0.1     0.1       0.1     0.0       0.1     0.0       0.1     0.0       0.1     0.0       0.1     0.0		Five tenths and two 0 or hundredths	Compare integers using <, >, =, ≠         < &ss than         < &ss than         > greater than         > greater than         = equal to         > soccoo coo         ≠ not equal to         Six thousand and eighty         ✓ 68 000         Decimals	Placeholder Three billion, one hundred and forty eight million, thirity three thousand and twenty nime 1 billion 1, 000, 000 1 million 1, 000, 000	Integer Place Value       Billons     Thousands       H     T     O     H     T     O       H     T     O     H     T     O       H     T     O     H     T     O       H     T     O     H     T     O       H     T     O     H     T     O	<ul> <li>What do I need to be able to do?</li> <li>By the end of this unit you should be able to:</li> <li>Understand place value and the number system including decimals.</li> <li>Understand and use place value for decimals, integers and megative integers, fractions and decimals.</li> <li>Order number and use a number line for positive and negative integers, fractions and decimals.</li> <li>use the symbols =, ≠, ≤, ≥</li> <li>Work with terminating decimals and their corresponding fractions.</li> <li>Round numbers to an appropriate accuracy distributions using the median and range.</li> </ul>	Year 7 Mathematics Term 1D: Place Value
0.30 Comparing the values both with 0.23 Comparing the values both with the same number of decimal places is another way to compare the number of tenths and hundredths	Which the largest of 0.3 and 0.23? 0.3 > 0.23	0 ones, 5 tenth and 2 hundredths 0 + 01 + 01 + 01 + 01 + 001 + 001 = 0 + 05 + 002 = 052	Kange     Spread of the values       Difference between the biggest and smallest       3     9       8     12       Range     Biggest value       -     Smallest value       Range     9       Range     9       Range     9       Range     9       Range     1	Rounding to the nearest power of ten         5495 to the nearest 1000       5475 to th         5000       6000       5400	Intervals on a number line	Keywords           Opproximate: To estimate a number, amount or total often using roundin Integer: a whole number that is positive or negative.           Integer: a whole number that is positive or negative.           Integer: a whole number that is positive or negative.           Integer: a whole number that is positive or negative.           Interval: techween two points or values           Median: 0 measure of central tendency (middle, average) found by puttin value of the list.           Negative: Only number less than zero; written with a minus sign.           Place holder: We use 0 as a place holder to show that there are none.           Place value: The value of a digit depending on its place in a number. In a bigger than the place to its right.           Range: The difference between the largest and smallest numbers in a set Significant figure: 0 digit that gives meaning to a number. The most significant digit in a decimal fraction is the first non-zer the left. The most significant digit in a decimal fraction is the first non-zer.	atics Nue
Round to 1 significant figure         370 to 1 significant figure is 400         37 to 1 significant figure is 40         37 to 1 significant figure is 40         0.37 to 1 significant figure is 0.4         0.00000037 to 1 significant figure is 0.4		Decimal intervals on a number line         Ore whole spit into 10 parts makes tenths = 01         One tenth spit into 10 parts makes hundredths = 001         O       0.1       0.2       0.3       0.4       0.5       0.6       0.7       0.8       0.9       1	Median     The modele value       Example I     Median: put the in order     3     4     8     9     12       4     3     9     8     12     find the middle number     3     4     8     9     12       Example 2     Median: put the in order     5     4     8     9     12       Example 3     Median: put the in order     137     148     50     154     58     160       137     160     156     There are 2 middle numbers     137     148     50     154     58     160       137     160     156     There are 2 middle numbers     137     148     50     154     58     160	ver of ten If the number is halfway between we "round up" 5475 to the nearest 100 5475 to the nearest 10 5400 105500 5470 1 5480	50 100 Duide the difference by the number of intervals (gaps).	<u>Sequences</u> Opproximate: To estimate a number, amount or total often using rounding of numbers to make them easier to calculate with Integer: a whole number that is positive or negative Interval between two points or values Median: 0 measure of central tendency (middle, average) found by putting all the data values in order and finding the middle value of the lst Negative: Ory number less than zero, written with a minus sign Place holder: We use 0 as a place holder to show that there are none of a particular place in a number Place holder: We use 0 as a place holder to show that there are none of a particular place in a number Place holder: We use 0 as a place holder to show that there are none of a particular place is and place is 10 times place to be a sight depending on its place in a number. In our decimal number system, each place is 10 times bigger than the place to its right. Significant figure: 0 digit that gives meaning to a number. The most significant digit (figure) in an integer is the number on the left. The most significant digit in a decimal fraction is the first non-zero number after the decimal point.	

Y7 MATHS

#### Y7 MATHS



Year 7 French – HT1 – <u>INTRODUC</u>	CING	YOURSELF
Salut! Ça va? Moi, ça va très bien	1	Hi! How are you? Me, I'm very well
Je m'appelle Elodie et j'ai douze ans 12	2	I am called Elodie and I have (am) 12 years old
Janvier Février Mars AvrilJe suis née le vingt Janvier maisMai Juin	3	I was born the 20 <sup>th</sup> January but
L'anniversaire de ma soeur est le vingt-cinq mars.	4 Are	the birthday of my sister is the 25 <sup>th</sup> March.
Elle s'appelle Françoise et elle est plus âgée que moi – elle a quinze ans.	5	My sister is called Françoise and she is more old than me - she has (is) fifteen years old
Je viens d'Espagne mais	6	I come from Spain but
j'habite à Nice en France, néanmoins	7	I live in Nice in France, nevertheless
Je voudrais habiter en Italie	8	I would like to live in Italy

Y7 MFL

## BonJouRi

A. GREETINGS	INGS
Bonjour	Hello
Salut	Hi
Ça va?	How are you?
Ça va bien.	ťm well.
Ça va mal.	l'm not good.
Comme ci comme ça.	ť m okay.
merci	thank you
au revoir	good bye
Comment	What are you
t'appelles-tu?	called?
Je m'appelle	I am called
Tu t'appelles	You are called
II/elle s'appelle	He/she is called

	θ	П	ш	σ	0	Β	A ah		
	6 јјау	F eff	er	D day	say	B bay	ah		
	z	≥	٢	$\mathbf{x}$	4	н	Τ		
	N enn	M emm	ell	car	J jjee	ee	H ash	L'A	
	С	Ч	S	₽	Ø	Р	0	LPH	
	U 000	T tay	ess	R air	<mark>Q</mark> coo	рау	<mark>0</mark> oh	L'ALPHABET	
			Ν	<	× īx	≶	<		
			Z zed	ee-grek	×	doob	V vay		
Â	7			rek		W doobla-vay			

How do you spell that? Comment ça s'écrit?

"Quelle est la date de ton anniversaire?"

Mon anniversaire c'est

le (number) + (month)

E.g. Mon anniversaire c'est le sept juin.

décembre ලදාදා	novembre	octobre	septembre octobre novembre décembre
août	juillet	juin	mai
avril	mars	février	janvier
	B. LES MOIS	B. LES	

Quelle âge as-tu? How old are you?

samedi	vendredi	jeudi	mercredi	mardi	lundi	C. LA S
Saturday	Friday	Thursday	Wednes	Tuesday	Monday	C. LA SEMAINE

C. LA S	C. LA SEMAINE
lundi	Monday
mardi	Tuesday
mercredi	Wednesday
jeudi	Thursday
vendredi	Friday
samedi	Saturday
dimanche	Sunday

elec			
	I am_	J'ai_	
	years old.	ans.	

1 Z J

4

С

6

7

8

9

10

11

12 

14

quatre

quatre cinq six sept

sept

huit

neuf dix onze o

douze

treize μ υ

quatorze

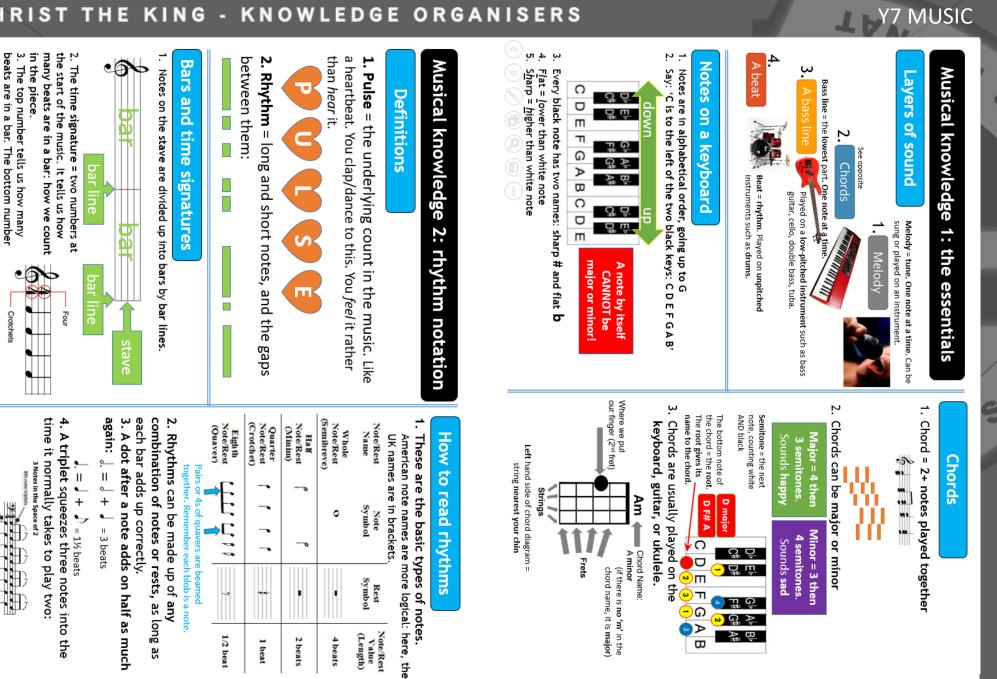
CHRIST THE	KING -	KNOWLEDGE	ORGANISERS

Je suisI amTu esYou are (singular)Il/elle estHe/she isNous sommesWe are Vou are (plural)Ils/elles sontThey are	They have	mais - but aussi - also	ORDS	UENCY WO	HIGH FREQUENCY WORDS c'est – It is et - and
Je suis Tu es II/elle est Nous sommes Vous êtes	(nhural)	Ils/elles ont	cahiers!	les cah	Ouvrez les
Je suis Tu es II/elle est	You have	Vous avez		Open	Ouvrez
S	He/she has	II/elle a		Close	Fermez
S	You have (singular)	lu as	-	Take	Prenez
	I have	J'ai T	Ő	Listen (to) Say	Ecoutez Parlez
ÊTRE—TO BE	AVOIR-TO HAVE	AVOIR-	2	Write	Ecrivez
ESSENTIAL VERBS	ESSE			tez Note	F. INSTR Notez
la fenêtre the window	-		•		
la porte the door					
le professeur/ the teacher la professeuse			Ľ		
une table a table				An a	
une chaise a chair				danser	eh C
une calculatrice a calculator			्र वृ	e	ez Alez
une gomme a rubber		les l <u>u</u> nettes le béb	les	le m <u>idi</u>	la poule 🕹 🍾
ē			8	ih/ee	8 ()
un crayon a pencil		u-vidéo			le poisson *
un stylo a pen			er	wee	Wa
un cahier an exercise book	<u>٩</u>		<b>eu</b>	<b>E</b> .	<u>9</u>
E. L'ÉCOLE		Ъ.	PHONICS		
Dans mon sac il y a In my bag there is					٠.

Y7 MFL

#### CHRIST KNOWLEDGE ORGANISERS THE KING

tells us what sort of beats they are



# Musical knowledge 3: pitch notation

## Definitions

Y7 MUSIC

- ÷ between them: **Rhythm** = long and short notes, and the gaps
- 2 goes up and down): Melody = tune. This has pitch as well as rhythm (i.e. it

#### describing Words for melodies



## MELODY

2

Range – the distance from the lowest note to the highest: wide or narrow Sequence – a pattern that repeats Register- how high or low the notes are ending or descending

Scalic (moving in a scale) or broken chord (moving in chord shapes) movement

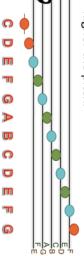
4

Ornaments (extra notes added to Steps (going to a next-door note) or leaps (jump corate) ng to a note further away)

Melodic ostinato/riff: a repeating

## How to read pitches

<u>+</u> the lines and spaces of the stave. The The blobs of the notes are arranged on higher the blob on the stave, the higher the pitch.

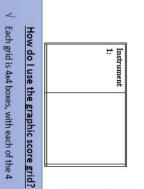


- Notes alternate being on a line and in a ଭ
- ω space Notes higher or lower than the stave

ledger line, like middle C shown above. have their own little line called a

	ſ		ſ		ſ		ſ		ſ
Every	n to at	0000	2	buy	Dov	COMPAGING	-	roowall	Faathall
		n	,	>	•	2	•	•	
	-		n n		CD				- -

spell 'FACE'. Remember to go upwards You can remember the notes on the Football', and the notes in the spaces lines with 'Every Good Boy Deserves when doing this!

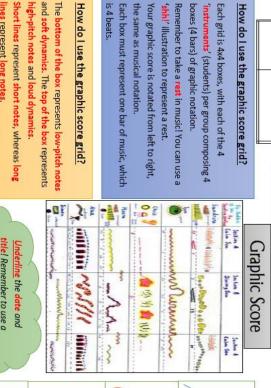


## What is graphic notation?

What does each box represent perform each box using body

musically? How would you percussion and vocals?

through use of visual symbols outside the realm of Graphic notation is the representation of music traditional music notation.



title! Remember to use a pencil and rubber to erase errors!

2

Create weird and wonderful symbols to represent

lines represent long notes

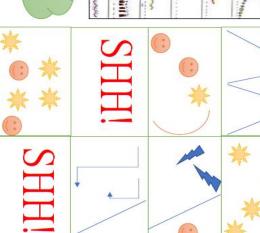
music and use of body percussion/ vocals

2

high-pitch notes and loud dynamics.

2

How do I use the graphic score grid?



#### CHRIST THE KING - KNOWLEDGE ORGANISERS

2

e same as musical notation.

is 4 beats.

2 2

'shh!' illustration to represent a rest

boxes (4 bars) of graphic notation.

# Musical knowledge : Listening 5

# When you are listening to a piece of music:

Y7 MUSIC

- 2 Does it sound happy (major tonality) or sad (minor tonality)?
- 2 Which instruments can you hear?
- 2 What are the key features of the piece? How would you describe the rhythm?
- ~ Which words could you use to describe the tempo? Is it fast or slow?

# Question using key words

- or complex? How are melodies used? Are they simple
- 2 Are the notes high or low in pitch? Do the steps? notes make sudden leaps or move in small
- 22 How would you describe the structure? Are the dynamics (volume) loud or soft?
- you hear? How many different sections of music can

an act of assessing something.

<u>Appraisal</u>

22 music? Which genre of music would you How would you describe the style of

describe it as?

### Definitions

### **I.DRIPS**

Use Tempo, Dynamics Instrumentation, ructure to describe music TDRIPS es, <mark>R</mark>hythm, , Pitch,

### Key words

Tempo Rhythm Straight Syncopated Dynamics 1-85 Forte Slow Piano - faire Lento

ISTENING

SKILLS

Pitch Instrumentation Treble Clef High or Lov Bass Clef

Structure Strophic Ternary Rondo

"What am I hearing?



# **Musical knowledge : Composing**

# **Composing Using the Elements**

music interact. Texture: how layers of sound within a piece of

S Dynamics: How loud or soft a musical sound

e.g. 4 beats in every bar is common time. Rhythm: Musical patterns, measured in time

musical sections used in a composition e.g strings, percussion etc. Instrumentation: The instruments and

sound is. Pitch: how high or low a musical note

Structure: the parts which make up a

composition e.g. section A, section B.





## COMPOSITION

## Key Notes

Semibreve: a note worth 4 beats. Minim: a note worth 2 beats. Quaver: a note worth 1/2 a beat. Crotchet: a note worth 1 beat. Using music notes in composition

### Definitions

## What is 'harmony'?

heard in a piece of music simultaneously. This includes chords and melodies The sound of two or more notes heard

# What does 'composition' mean?

composing parts and developing ideas to create Composition is the art of creating music, by piece of music

## Composition Tips

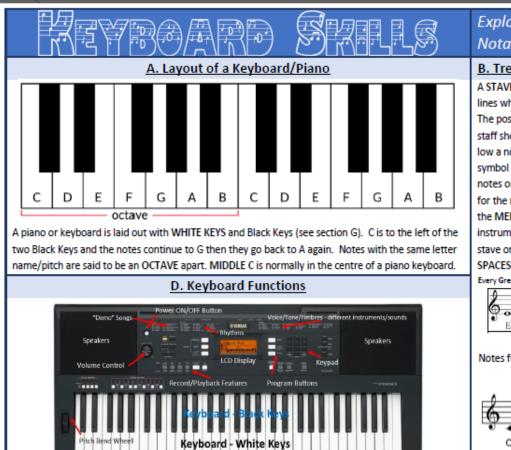
- 2 Listen to a range of music for
- inspiration
- Play an instrument
- 22 Sing and train your ears

#### 22 Learn the software well Practice.

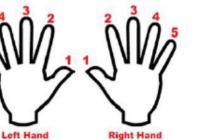
e				Ledger Line Notes in Treble Clef	
	с I	в с	7	in Treble Clef	

Every	•		5	
Good		G	0	
Boy			C	D
Boy Deserves				C
Fudge				





#### E. Left Hand/Right Hand (1-5)





Exploring Treble Clef Reading and Notation

#### B. Treble Clef & Treble Clef Notation

A STAVE or STAFF is the name given to the five lines where musical notes are written. The position of notes on the stave or staff shows their PITCH (how high or low a note is). The TREBLE CLEF is a symbol used to show high-pitched notes on the stave and is *usually* ised for the right hand on a piano or keyboard to play the MELODY and also used by high pitched instruments such as the flute and violin. The stave or staff is made up of 5 LINES and 4 SPACES.

Every Green Bus Drives Fast. Notes in the SPACES spell "FACE"

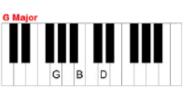


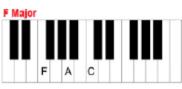
Notes from MIDDLE C going up in pitch (all of the white notes) are called a SCALE.

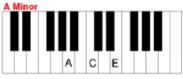




MUSIC





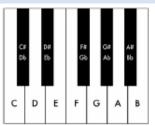


Play one – Miss one – play one – miss one – play one

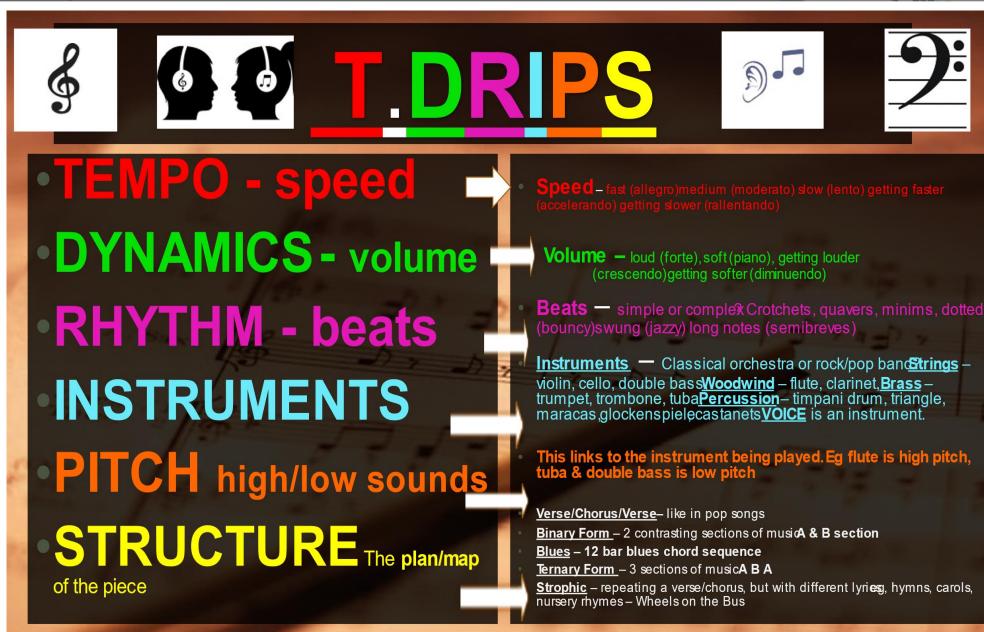
#### F. Black Keys and Sharps and Flats

There are five different black notes or keys on a piano or keyboard. They occur in groups of two and three right up the keyboard in different pitches. Each one can be a SHARP or a FLAT. The # symbol means a SHARP which raises the pitch by a semitone (e.g. C# is higher in pitch (to the right) than C). The b symbol means a FLAT which lowers the pitch by a semitone (e.g. Bb is lower in pitch (to the left) than B). Each black key has 2 names – C# is the same as Db – there's just two different ways of looking at it! Remember, black notes or keys that are to the RIGHT of a

white note are called SHARPS and black notes to the LEFT of a white note are called FLATS.



Y7 MUSIC



Key Words: Lay-up

Jump shot Travel Double Dribble

Skills: Dribbling Jumping Passing Catching Shooting Footwork

Famous basketball players:





#### Basketball

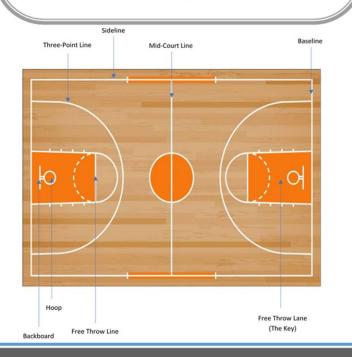
#### Rules:

**Travelling**—Players are not allowed to carry or move with the ball in their hands. Side line ball to the opposition is awarded if this occurs.

**Double Dribble**—This is when a player dribbles the ball twice after the ball comes to rest or they put two hands on the ball. Side line ball to the opposition is awarded if this occurs.

**Scoring**—2 points awarded for a basket scored within the 3 point line. 3 points are awarded for a basket scored from outside the 3 point line. 1 point is awarded for a free throw.

**Physical contact**—No contact is permitted between players. Side line ball is awarded to the opposition.



	<b>Classification of Skill</b>
The classificati	ons fit on a continuum
-	Environmental influence
_	Difficulty
	Organisational Level
1. Open	Where the environment is constantly changing E.g. a tackle in rugby The timing and style of the tackle is heavily influenced by many factors including the ball carrier, the tackler's teammates and the position on the pitch
2. Closed	Where the environment always remains the same E.g. a darts throw The exact timing of the throw is down to the athlete, who is throwing the same weight dart in a similar each time
3. Basic	A skill the player finds easy and needs little concentration to do E.g. 400m race This skill has very few sub-routines
4. Complex	A skill that requires the performer's complete attention to do E.g. a somersault on a trampoline This skill has many sub-routines
5. Low Organisational	A skill that can be split into sub-routines easily and each sub-routine can be practiced separately E.g. front crawl Sub-routines that can be practiced separately include: arm pull, breathing stroke, leg kick, tumble turn
6. High Organisational	A skill that isn't made up of sub-routines and needs to be practised as a whole skill E.g. A cyclist completes the action of cycling in one go This skill is almost impossible to breakdown

Key Words:	Trampolining	Types of Guidance
Routine Fuck	Competitive Rules	
Pike	1. A routine must always start and finish on feet.	
Straddle Execution Skills: Full Twist	<ol> <li>Competitors must start their routine within 60 seconds of presenting to the judges.</li> <li>Competitors are allowed one "out" bounce (a straight jump to control their height) at the end of a routine, before sticking the landing.</li> </ol>	Visual Guidance• Demonstrations Images • Videos • ObservationsExample— demonstration to perform a seat drop in trampolining.
ieat Drop Front Drop Back Drop Front Som- Prsault	<ol> <li>The trampolinist must stop completely—this means the bed must stop moving—and they have to hold still for 3 seconds before moving.</li> <li>All moves must be performed in the 3 basic shapes; tuck, pike and straddle.</li> </ol>	Verbal Guidance• Coaching points Feedback • Peer Feedback • QuestioningExample— A coach telling a trampolinist how to correct their position in a skill.
amous rampolin- ts:	Top Tip! More marks for moves performed on the cross.	Manual GuidanceWhen a performer is physically guided or supported by the coach/teacher.Example— A trampoline coach supporting a front somersault.
Bryony Page	Scoring  1. A final trampoline mark is based on a difficulty and execution score.  2. A difficulty score begins at 0.0 and goes up continuously with every difficult skill performed.	Mechanical GuidanceWhen a piece of equipment or an aid is used to help a per- former learn and practise a skill.Example— Using a hardness when learning somer- saults in trampolin- ing.

Y7 PE

3. An execution score is different and begins at a score of 10.0 and is then deducted by judges for errors in performance.

Lu Chunlong

Ke

Sk Fu Se Fr Ba Fr er:

Fa

#### Handball

Key Words:		
3 seconds on the ball	Players are only allowed to have possession of the ball for 3 seconds.	
Contact	Contact is allowed in handball.	
Goalkeep- er	Goalkeeper can leave the D but not in possession of the ball.	
Corners	Awarded if the ball comes off a defender and goes behind the goal.	ļ
Penalty throw	Awarded if a defender steps into the D.	

Skills:	
Shooting	Players can shoot from outside of the D or by performing a jump shot
Dribbling	Players can move with the ball by bouncing but only for 3 seconds.
Passing	Passing is done with one hand or two and can include a shoulder pass and bounce pass.

#### Famous Player

Danish player Mikkel Hansen Three time world player of the year. Olympic, World and European champion.



-		5
Rules	:	
A mat	tch consists of two periods of 30 minutes each.	
Each t playe	team consists of 7 players; a goalkeeper and 6 outfield rs.	1
Outfie body	eld players can touch the ball with any part of their that is above the knee.	
	a player receives possession, they can pass, hold ssion or shoot.	
If a pl 3 seco (witho	ayer holds possession they can have the ball for up to onds, after they can dribble or take three steps but dribbling).	•
Only 1 floor (	the goalkeeper is allowed to come in contact with the of the goal area.	
Goalk retain	eepers are allowed out of the goal area but must not possession if they are outside the goal area.	
		,
	Desitions in Handbally	-

#### Positions in Handball:

Goalkeeper: a player who is positioned inside the goalkeeping area responsible for defending goals.

Left Wing: attacking player responsible for left hand side of the court.

Left Back: stands to the left of centre back and tries to prevent the opposition from shooting.

Centre back: stands in the middle of the court and provides both defending and attacking options.

Pivot player: an attacking player who travels along the opponents six metre line.

Right Back: has some responsibilities as the left back down the opposite side.

Right Wing: has the same responsibilities as the left wing but down the opposite side.

#### Lifestyle Choices

Lifestyle choices - the choices you make that can affect your health and fitness.

#### 1) Eating a healthy diet: Boosts your energy levels, so you are better able to enjoy life. Will supply your body with the central nutrients it needs for a healthy immune system helping you fight off illnesses Reduces the risk of developing serious health conditions such as heart disease type 2 diabetes high blood pressure high cholesterol or stroke Communication stress levels and im-

Will help you lose weight if you are currently overweight or maintain a healthy weight

You are better at making good decisions

#### Eating an unhealthy diet:

Y7 PE

- Leads to deficiencies in essential nutrients and causes health conditions such as osteoporosis and rickets as well as fatigue and muscle weakness Leads to an increase in weight and body fat which puts you at risk of developing health conditions such as heart disease type 2 diabetes high blood pressure high cholesterol and stroke Can affect your concentration levels and make you feel lethargic making it more difficult to find the energy to exercise prove your sleep patterns ٠ Can affect your quality of sleep Can cause you to feel guilty and de-pressed especially if you overheat Living an active life: 4) Living an inactive life: Lowers your risk of disease Increases your risk of disease Lowers your risk of developing mental health Increases your risk of low self esteem anxiety conditions such as depression or dementia and depression Please yourself esteem the quality of your Decreases your muscle mass overall strength sleep and your energy levels and energy levels making daily tasks such as carrying shopping bags more difficult Reduces stress and anxiety Improve your fitness levels 5) A good work/rest/sleep balance: 6) A poor work/ rest/ sleep balance can: Improve your physical emotional and • Increase your risk of depression social health Lead to weight gain ٠ Makes you feel more in control of your • Increase your risk of illness and disease life helping to reduce stress
  - Increase stress and anxiety
    - Results in poor quality sleep

Y7 RE - Introduction

		Key Facts
Christ the King School Badge The cross reminds us that we are Christians who believe in the life and death of Christ who died on the cross.	1	<ul> <li>To help the CtK community carry out its Mission Statement, it uses #CTKCARES</li> <li>Community – This means that we will accept everyone in our school for who they are</li> <li>Achieve – We should want to do well and encourage others to do well too</li> <li>Respect – We will accept and celebrate our differences making sure we treat people the way we would like to be treated</li> <li>Encounter –We should be respectful of all beliefs and encourage each other to question and search for 'truth'</li> </ul>
<b>Chi-Rho</b> . The first two letters for the Greek word	2	Aristotle suggested that good and successful people have virtues. He taught that we should recognise them in others so that we can nurture and develop them in ourselves.
for Christ.	3	Aristotle identified that virtues are found in the middle of two vices – too much of a quality can be bad as much as too little of a quality. The virtue is the golden mean. For example having too little courage leads to cowardice but too much leads to rashness. Courage is the golden mean.
HAUSTLIG LING RUS TUS RUS TUS RUS TUS RUS TUS RUS TUS RUS RUS RUS RUS RUS RUS RUS RUS RUS R	4	St Thomas Aquinas further developed Aristotle's thinking with Natural Law. He argued that there are universal laws of right and wrong that applies to all humans at all times. He argued that there were 5 natural laws people should follow so that human life can flourish ( <b>W</b> orship God, <b>O</b> rderly Society, <b>R</b> eproduce, Learn through Education, <b>D</b> efend innocent life)
Latin for <b>'Christ conquers'</b>	5	Catholics believe that there are moral habits human beings need to practice in order to be a good person. They are split into Cardinal Virtues (prudence, justice, fortitude, temperance) and supernatural virtues (faith, hope and charity).
	6	<ul> <li>At CTK we practice particular virtues linked with our mission statement:</li> <li>Community – Hospitality, gratitude, compassion</li> <li>Achieve – self control, love of learning, perseverance</li> <li>Respect – Sanctity of Life, discipleship, equality, stewardship</li> <li>Encounter – faith, hope, love</li> </ul>

Y7 RE – Creation and Covenant

Key Quotes			Key Facts	
1	Thus the heavens and the earth were completed in all their vast array This is the account of the heavens and the earth when they were created, when the LORD God made the earth and the heavens. (Genesis 2:2-4)		1	The Bible is the holy book for Christians and contains <b>God's</b> word. It is split into the Old Testament and the New Testament. The Old Testament contains the history and faith of the Israelites.
2	'Prayer is the raising of one's mind and heart to God' (Catechism of the Catholic Church)		2	Catholics do not read the Bible literally. Instead they aim to understand the <b>literal sense</b> of the Bible (the message that <b>God</b>
		Key Words		wanted to communicate with them).
1	God	The one supreme being, who creates and sustains everything.	3	Catholics believe that <b>God</b> is responsible for all <b>creation</b> . Genesis 1 teaches that <b>God</b> created over 6 days and rested on the 7 <sup>th</sup> . This
2	Revelation	The way in which God is made known to humans, which Catholics believe is most perfectly done through Jesus.		story helps to answer the questions of 'Where did the world and everything in it come from?' and 'Why are we here?'
3	Literal sense	the meaning of the text as the author intended it to be; this is different to reading a passage literally which means accepting it as word-for-word truth.	4	Genesis 2 shows <b>God</b> creating harmony from chaos and <b>God</b> creates man by breathing life into him. Woman is created from man's rib. This story helps Catholics to answer the question 'What is our
4	Literary form	The style of writing used, for example a letter or a poem.		purpose?'
5	Creation	The act of bringing something into existence; or the universe and everything in it (which Catholics believe	5	Catholics believe that there is no conflict between science and religion. They believe in the theories of the Big Bang and Evolution.
		God created)		The Catholic Church teaches that we should try to reduce human suffering and increase friendship between all people through Catholic Social Teaching. Catholics believe they have a duty to care
6	Creationism	The belief that the Bible accounts of creation are literally true.	6	
7	Scientism	The belief that science can provide all the answers in life.		for the world and everything in it. Catholics believe they have a duty of care for the world and
8	Prayer	The way in which humans communicate with God.	7	everything in it ( <b>stewardship</b> ). Pope Francis describes stewardship as responding to 'the cry of the earth and the cry of the poor'.
9	Stewardship	The duty to care for something. Catholics believe that God gave them the duty to care for the earth and everything in it.	8	<b>Prayer</b> in the way in which people communicate with <b>God</b> .

#### Y7 RE – Prophecy and Promise

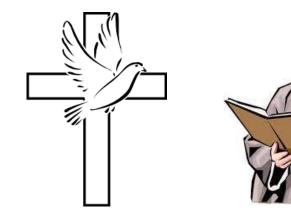
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		Key Words		
1	Revelatio n	The way in which God is made known to humans, which Catholics believe is most perfectly done through Jesus.	1	'For Sacred Scripture i writing under the insp
2	Dei verbum	The Latin phrase for 'Word of God'; also a document from the Second Vatican Council explaining how Jesus is the word of God.	2	'All scripture is breath man of God may be co
3	Scripture	The holy books (s) of a religion; in Christianity it is the Bible.	3	'they, as the true auth things
4	Tradition	Also known as apostolic tradition, these are actions and teachings from the original apostles passed on from one generation of bishops to the next.		J.s.
5	Magisteri um	From the Latin term, <i>magister</i> , meaning teacher or master.; it is the authority of the Church to teach.		
6	Inspired	'God breathed'; the belief that the Holy Spirit guides an individual to write what is good and true.		

Key Quotes
'For Sacred Scripture is the word of God inasmuch as it is consigned to writing under the inspiration of the divine Spirit.' (Dei Verbum 9)
'All scripture is breathed out by God and profitable for teaching that the man of God may be complete, equipped for every good work.' (2 Timothy 3:16-17)
'they, as the true authors, consigned to writing everything and only those things which He wanted.' (Dei Verbum 11)
<i>M</i> DN





	Key Facts
1	The Bible is a form of <b>revelation</b> and has been divinely <b>inspired</b> which means they Holy Spirit guided human writers to write down the truth from God.
2	<b>Tradition</b> has developed teachings on the sanctity of life, the sacraments, the Creeds and Mass. <b>Tradition</b> is alive which means that as the Church grows, so does tradition.
3	The <b>Magisterium</b> is the teaching authority of the Church which was given to St Peter & the apostles who founded the early Church.
4	Catholics also use <b>scripture</b> in prayer, for example in the Rosary, which is connected to key events in the Gospels.



#### Y7 RE – Prophecy and Promise 2

	Key Words				
7	Canon	The agreed list of books that make up the Catholic Bible.			
8	Old Testament	The books of the first half of the Bible showing the creation of the world and God's relationship with the Israelites.			
9	New Testament	The books of the second half of the Bible which tells the story of Jesus' life, ministry and death, and the establishment of the early Church.			
10	Hebrew, Aramaic Greek	Languages spoken in the area where Jesus grew up; some books of the Bible were written in these languages.			
11	Tanakh	The Jewish Bible			
12	Liturgy of the Word	The part of the Mass where Catholics are taught God's word from the Bible.			



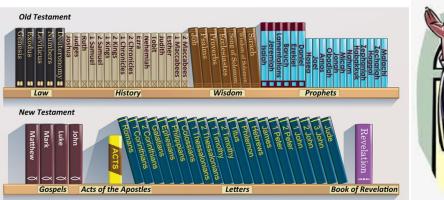
#### Key Facts

The Bible is like a library of books. It has around 40 different authors and each book has their own backgrounds and literally forms. Bible references are made up of book, chapter & verse.

The Bible is read in translation which means that it not usually read today in the original languages it was
written in (Hebrew, Aramaic & Greek) as most people do not speak these languages now.

The Tanakh (the Jewish Bible) and the **Old Testament** share many of the same books, however Jews and Christians arrange and interpret them differently.

The Catholic Church uses scripture as the foundation of the Mass. In the **Liturgy of the Word**, Catholics hear Bible readings that help them to feel closer to God and understand what God expects of them.

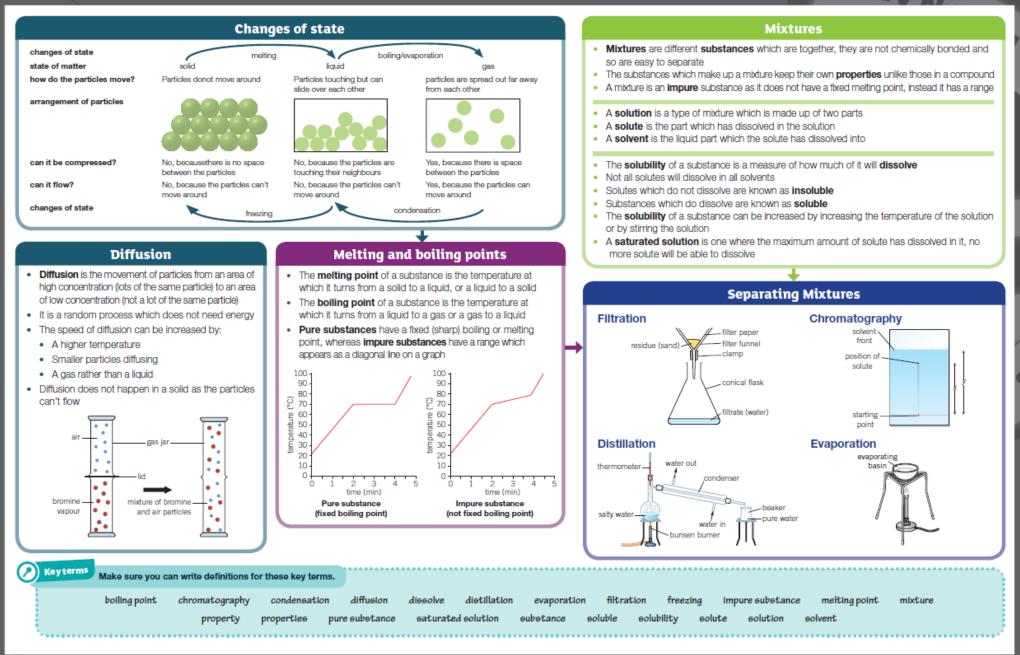




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#### Y7 SCIENCE - Matter



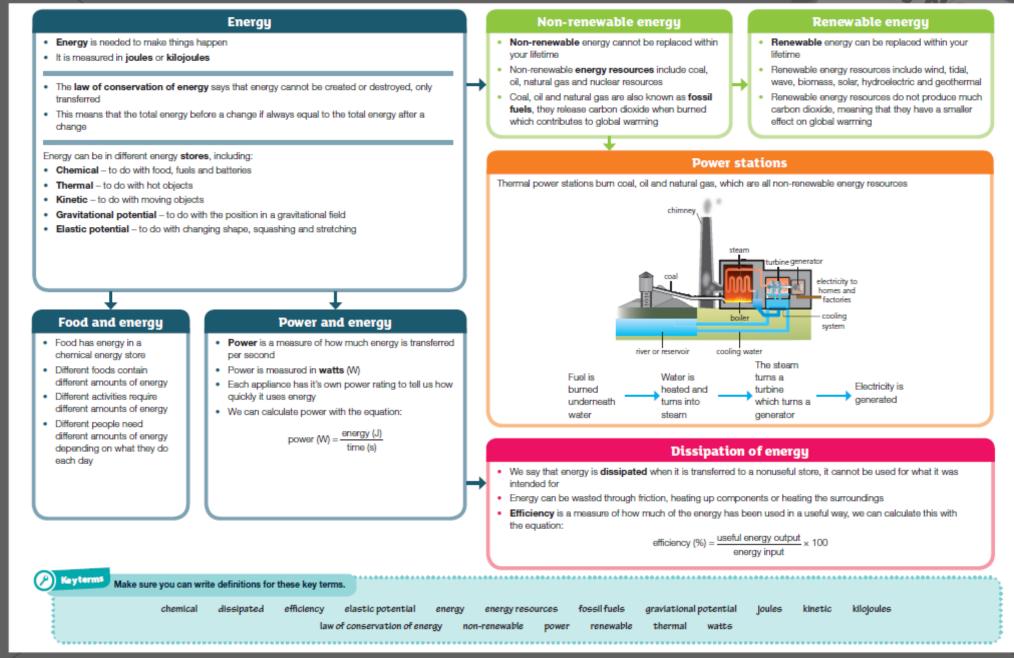
#### Y7 SCIENCE - Matter

Keyword	Definition
Boiling point	The temperature a liquid turn into a gas
Chromatography	The technique for the separation of mixed substances in a solution
Condensation	When a gas cools and forms a liquid
Diffusion	The movement of particles from an area of high concentration to an area of low
	concentration
Dissolve	When a solid disappears into a liquid
Distillation	The technique of separation of a mixture of liquids
Evaporation	When a liquid is heated and forms a gas
Filtration	The technique of separating a solid and a liquid
Freezing	When a liquid cool and forms a solid
Impure substance	2 or more elements or compounds not chemically joined
Melting point	The temperature a solid turn into a liquid
Mixture	Different elements or compounds that are not chemically joined
Property	A characteristic or behaviour of a substance
Properties	A group of characteristics or behaviours of a substance
Pure substances	A substance made up of just 1 chemical element or compound
Saturated solution	A solution that cannot dissolve any more solute (solid)
Substance	Any element, compound, or mixture
Soluble	The property of dissolving
Solubility	The measurement of how much substance will dissolve in a given volume of liquid
Solute	The solid that is dissolved into a solution
Solution	The solid and liquid mixture. It consists of the solute and the solvent
Solvent	The liquid part of a solution

#### Why can you compress a gas and not a solid or liquid? Why do liquids and gases flow but solids do not? What change of state happens during melting? What change of state happens during freezing? Describe how particle movement and energy changes during melting Describe how particle movement and energy changes during freezing What is a melting point? What is Retrieval Question What are all materials made up of? State 2 uses of evaporation Describe how distillation uses boiling and condensing to separate water Retrieval Question State what is meant by a pure substance State what a compound is How does the number of particles affect gas How does temperature affect gas pressure? State what is meant by gas pressure How does particle size affect the speed of diffusion? Why does diffusion happen faster in gases than in liquids? What is State two differences between evaporation and boiling? What is condensation? Describe how particle movement and energy changes during boiling What is a boiling point? Describe the shape of solid/liquid/gas? Does a solid/liquid/gas flow State why gold has a higher density than aluminium What is de What is meant by a substance? What 3 things does the property of State what a chromatogram is State 2 uses of chromatography What is chromatography used for? from salt wate What is a residue? State 2 uses of filtration How does temperature affect solubility? State the menaing of the term saturated solution Can gases What is the melting point like for Name four common examples List three factors that affect the speed of diffusion? What change of state happens during boiling? Why do some substances travel further up the paper than others? substances Describe how chromatography can be used to separate a mixture of State the difference in properties that allows you to separate water and Describe how evaporation can be used to separate salt from sea water Describe how filtration can be used to separate sand from salt water What is a filtrate? What type What does a solubility curve show? State what is meant by solubility? State what a solvent is. Give an example State what a solute is. What is the melting point like for an impure substance? State what is meant by a mixture state what an element is What is evapora low does temperature an you compress a solid/liquid/gas using distillation cribe what happens to particles when they dissolve what a diffusion sublimation of mixture is filtration used for? sity: molecule Give an example affect the ofm a pure substance? speed of diffusion? 0 The force gas particle exert when they collide with a container The greater the number of particles, the higher the gas pressure The greater the temperature of particles, the higher the gas pressure A subtance that cannot be broken down into other substances A group of two or more atoms joined together A substance that is made up of atoms of two or more elements joined together At higher temperature, diffusion happens more quickly The bigger the particle, the more slowly it diffuses Particles are far apart and travel a long way before hitting another Glue drying, making cyrstals (any sensible answers) Heat the solution, water boils leaving the solution as steam, steam and cools down, steam condenses to form liquid water Salt has a higher boiling point than water A solution that cannot dissolve any more solid/solute The maximum mass of solute that dissolves in 100g of water The higher the temperature, the greater the mass of solute that will dissolve How much solid can dissolve in a solvent across a range of temperatures A mixture of a liquid with a solid or gas in it The solid dissolved in liquid, e.g. Salt, sugar (any sensible The liquid that dissolves the solid, e.g. Water, alcohol (an Contains two or more substances, which could be elements or compounds Air, seawater, rocks, foods (any sensible answers) A pure substance has a fixed melting point Particle movement increases, energy of particles increases The temperature at which a substance boils When particles with the most energy leave the liquid state Evaporation - happens at any temperature, boiling - happens only at the boiling point Gas to liquid Particle movement decreases, energy of particles decreases The temperature at which a substance melts Particle movement increases, energy of particles increases Particles are widely spaced out in a gas, particles touch each o Particles move randomly in a liquid, particles vibrate in a solid Solid - particles touch each other, arranged in a pattern, liquid - particles are not as closely packed, particles move around randomly, gas - particles are widely spaced, move around A gold particle has a greater mass than an alumnium particle **Retrieval Answer** Separate colours in a dye, identify nutrients in food (any sensible answers) paper Place the substance on chromatography paper, lower into a beaker containing a solvent, allow the solvent to travel up the paper, dry the chromatogram Some substances mix better with water/some substances are more strongly attracted to the passes through, the residue is sand Heat the solution, water evaporates, the salt remains The solid that remains in the filter paper Making coffee, river water (any sensible answers) Add water to the mixture, stir to dissolve the salt, pour into a filter paper funnel, The solution that passes through filter paper Yes Water particles surround each solid particle An impure substance melts across a range of temperatures **Retrieval Answer** When particles in inquids and gases spread out Temperature, particle size, the state of the diffusing substance When particles Liquid to gas Liquid Solid to liquid randomly Gas + liquid - yes, solid - no Gas - yes, solid + liquid What its particles are like, how Something that is made up of one type of material Separate a mixture of dyes An insoluble solid from a liquid Contains one substance only/not mixed with anything else/particles How mu The mixture separated on the paper id to gas most ch matter there is in a certain volume/how solid seg B the particles are alcohol (any sensible answers) arranged, anged, how its partic heavy it is for its size answers) other in a solid its particles travels down a condenser particle are all the same move salt solution aro

7 SCIENCE - Matter

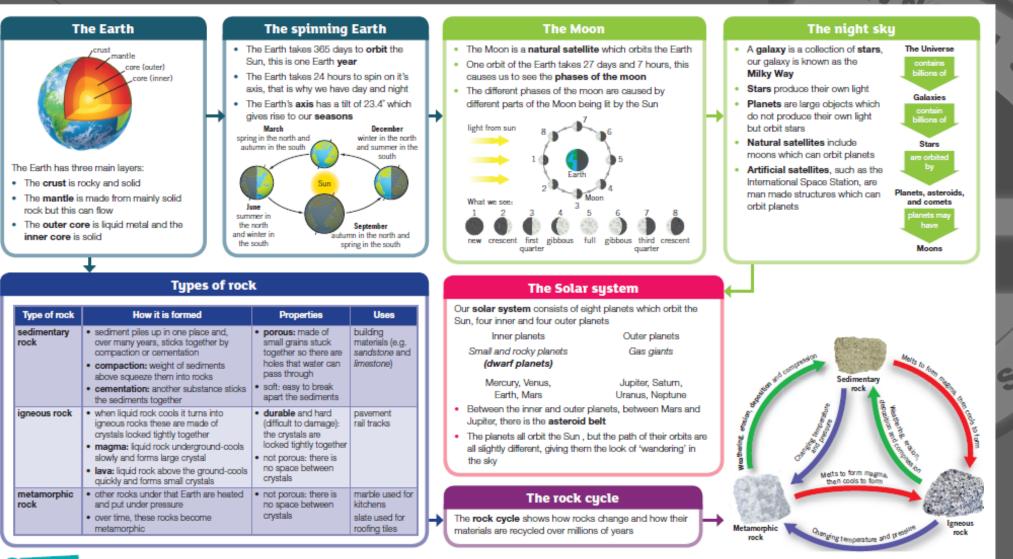
## Y7 SCIENCE - Energy

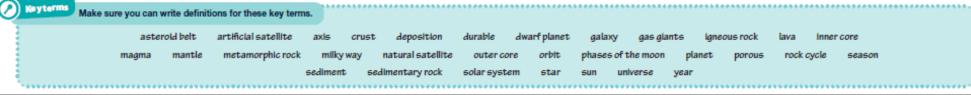


# Y7 SCIENCE - Energy

Keyword	Definition	Retrieval Question	Retrieval Answer	Keyword	Definition	Retrieval Question	Retrieval Answer
Chemical	The energy store referring to food, fuels, and batteries	State the unit of energy	Joules (J)	Renewable	An energy resource that can be replaced in a human lifetime	State 2 ways of reducing energy costs at home	insulating the loft, installing double glazing
Dissipated	When energy is transferred to a non- useful store	How do you convert Joules to Kilojoules and vice versa?	From Joules to Kilojoules ÷1000. From Kilojoule to Joules x1000	Thermal	The energy store referring to hot objects	State the law of conservation of energy	energy cannot be created or destroyed but transferred from one store to another
Efficiency	The measure of how much energy has been used in a useful way	Name 3 fuels	Coal, Oil, Gas	Watts	The unit of power. The symbol is W	Name 5 types of energy store	chemical, gravitational potential, kinetic, elastic, thermal
Elastic potential	The energy store referring to objects changing shape, squashing, or stretching	List three things that your body needs energy for	Maintaining body temperature, Growth, Movement			State 3 ways that energy is transferred between stores Describe the energy transfer when a fuel burn	electric current, light, sound, heating chemical, heating, light, thermal
Energy	Energy is needed to make things happen	What is meant by a fossil fuel	A fuel formed from the dead remains of animals and plants			Describe how the energy store of an object is linked to its; speed, temperature,	speed = kinetic, temperature = thermal, height = gravitational,
Energy resources	A source from which useful energy can be extracted	State the name of 3 fossil fuels	Coal, Oil, Gas			height, and compression What is meant by dissipation?	compression = elastic energy is wasted
Fossil fuels	Coal, Oil and Natural Gas. They are an example of a chemical energy store	Describe the stages of generating electricity in a power station	Creating steam, Turning the turbine, Spinning the generator, National grid to the homes			State the energy dissipated by a moving object State 2 ways to reduce dissipation in a car	friction, air resistance aerodynamic design, reducing friction between the engine
Gravitational potential	The energy store referring to an objects position in a gravitational field	Name the greenhouse gas that is produced when fossil fuels burn	carbon dioxide				parts using oil, use insulation to reduce heat loss
Joules	The unit of energy. It has the symbol J	What is the difference between a renewable and non-renewable energy	non-renewable energy resources cannot be replaced within a			State what is meant by efficiency?	how much energy is transferred usefully and how much is wasted (dissipated)
		resource?	lifetime. Renewable energy resources can be replaced			Give the equation for calculating efficiency	efficiency = useful energy out x 100 / total energy in
Kinetic	The energy store referring to moving objects	List 5 renewable energy sources and describe how they work	solar, wind, tidal, geothermal, hydroelectric, biomass	L		I	
Kilojoules	The unit of energy. There are 1000J in 1kilojoule (kJ)	State the unit of power	Watts (W)				
Law of conservation of energy	Energy cannot be created or destroyed only transferred	Give the equation for calculating power	power (W)= energy (J) / time (s)				
Non-renewable	An energy resource that cannot be replaced in a human lifetime	State the unit of energy that electricity companies use	Kilowatt hours (kwh)				
Power	The measure of how much energy is transferred per second	Give the equation for calculating electricity cost	cost = power x time x price				

## **Y7 SCIENCE - Earth**



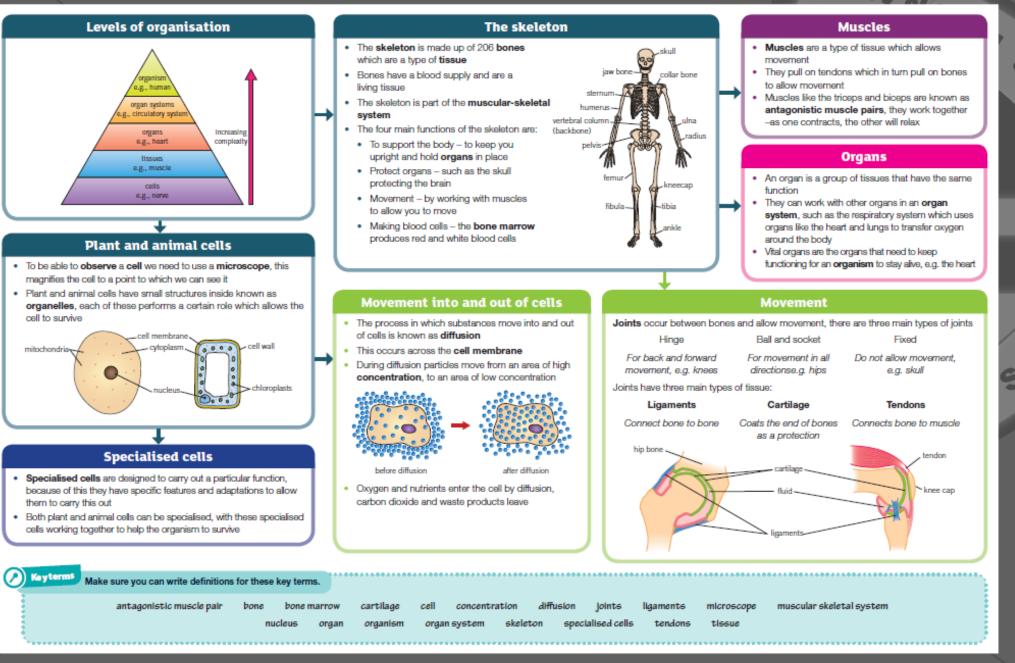


## Y7 SCIENCE - Earth

Keyword	Definition	Retrieval Question	<b>Retrieval Answer</b>
Chemical	The energy store referring to food, fuels, and batteries	State the unit of energy	Joules (J)
Dissipated	When energy is transferred to a non- useful store	How do you convert Joules to Kilojoules and vice versa?	From Joules to Kilojoules ÷1000. From Kilojoule to Joules x1000
Efficiency	The measure of how much energy has been used in a useful way	Name 3 fuels	Coal, Oil, Gas
Elastic potential	The energy store referring to objects changing shape, squashing, or stretching	List three things that your body needs energy for	Maintaining body temperature, Growth, Movement
Energy	Energy is needed to make things happen	What is meant by a fossil fuel	A fuel formed from the dead remains of animals and plants
Energy resources	A source from which useful energy can be extracted	State the name of 3 fossil fuels	Coal, Oil, Gas
Fossil fuels	Coal, Oil and Natural Gas. They are an example of a chemical energy store	Describe the stages of generating electricity in a power station	Creating steam, Turning the turbine, Spinning the generator, National grid to the homes
Gravitational potential	The energy store referring to an objects position in a gravitational field	Name the greenhouse gas that is produced when fossil fuels burn	carbon dioxide
Joules	The unit of energy. It has the symbol J	What is the difference between a renewable and non-renewable energy resource?	non-renewable energy resources cannot be replaced within a lifetime. Renewable energy resources can be replaced
Kinetic	The energy store referring to moving objects	List 5 renewable energy sources and describe how they work	solar, wind, tidal, geothermal, hydroelectric, biomass
Kilojoules	The unit of energy. There are 1000J in 1kilojoule (kJ)	State the unit of power	Watts (W)
Law of conservation of energy	Energy cannot be created or destroyed only transferred	Give the equation for calculating power	power (W)= energy (J) / time (s)
Non-renewable	An energy resource that cannot be replaced in a human lifetime	State the unit of energy that electricity companies use	Kilowatt hours (kwh)
Power	The measure of how much energy is transferred per second	Give the equation for calculating electricity cost	cost = power x time x price

Keyword	Definition	Retrieval Question	Retrieval Answer
Renewable	An energy resource that	State 2 ways of reducing	insulating the loft,
	can be replaced in a human lifetime	energy costs at home	installing double glazing
Thermal	The energy store	State the law of	energy cannot be
	referring to hot objects	conservation of energy	created or destroyed but transferred from one store to another
Watts	The unit of power. The	Name 5 types of energy	chemical, gravitational
	symbol is W	store	potential, kinetic, elastic, thermal
		State 3 ways that energy is	electric current, light,
		transferred between stores	sound, heating
		Describe the energy	chemical, heating, light,
		transfer when a fuel burn	thermal
		Describe how the energy	speed = kinetic,
		store of an object is linked	temperature = thermal,
		to its; speed, temperature,	height = gravitational,
		height, and compression	compression = elastic
		What is meant by dissipation?	energy is wasted
		State the energy dissipated by a moving object	friction, air resistance
		State 2 ways to reduce dissipation in a car	aerodynamic design, reducing friction
			between the engine
			parts using oil, use
			insulation to reduce
			heat loss
		State what is meant by	how much energy is
		efficiency?	transferred usefully
			and how much is
			wasted (dissipated)
		Give the equation for	efficiency = useful
		calculating efficiency	energy out x 100 / total
			energy in

## **Y7 SCIENCE - Organisms**



# Y7 SCIENCE - Organisms

Keyword	Definition	Retrieval Question	Retrieval Answer
Antagonistic muscle pair	Muscles that work together, but in opposition to one another	What is a cell?	building blocks of life
Bone	An organ that forms the skeleton of vertebrates	What is a tissue? Give an example	a group of similar cells that work together to perform a specific function
Bone marrow	The soft blood-forming tissue that fills the cavity of bones	What is an organ? Give an example	a group of tissues that work together to perform a certain function
Cartilage	Coats the end of bones as protection	What is an organ system? Give an example	a group of organs that work together to perform a certain function
Cell	The building blocks of all living things	What is an organism?	a living thing, plant/animal
Concentration	The density of particles in a stated volume	What is a bone?	a living tissue with a blood supply
Diffusion	The process where substances move into and out of cells	State 4 functions of the skeleton	support the body, protect organs, help the body move, make blood cells
Joints	Allow the movement between bones	Describe the structure of a bone	centre is soft tissue (bone marrow), middle spongy bone, rigid outer structure
Ligaments	Tissue that connects bone to bone	What does bone marrow produce?	red blood cells and some white blood cells
Microscope	Scientific apparatus used to observe objects too small for the naked eye	What is a joint?	where two or more bones join
Muscular skeletal system	The organ system of muscles and bones that provide movement to an organism	State the 3 types of joint and give an example of each	hinge - knee, elbow, ball- and-socket - hip, shoulder, fixed - skull
Nucleus	Hold s the genetic information of the cell	What is cartilage?	a strong smooth tissue that covers the ends of a bone in a joint that reduces friction
Organ	A group of tissues that work together to perform a function	What do ligaments do?	connects bones together in a joint
Organism	A living thing that has an organised structure of cells, tissues, and organs	State why a muscle is a tissue	they are made up of lots of muscle cells working together
Organ system	A group of organs that work together to perform a certain function in an organism	What are tendons?	a type of tissue that pull on bones to help them move
Skeleton	The supporting framework of an organism	What happens to the length of muscles when they contract?	shortens

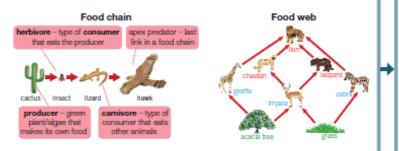
Keyword	Definition	<b>Retrieval Question</b>	Retrieval Answer
Specialised cells	Cells adapted to	What is meant by an	a pair of muscles that work
	carry out a function	antagonistic muscle	together, so when one
		pair?	contracts the other relaxes
Tendons	Tissue that connects	Describe how the	the bicep contracts and the
	muscles to bones	bicep and triceps	triceps relax to bend the arm
		work together	(vice versa to straighten it)
Tissue	A group of the same	State what all living	Cells
	cells carrying out a	organisms are made	
	function	of	
Retrieval Question	Retrieval Answer	Retrieval Question	Retrieval Answer
What is diffusion?	the movement of	State what is meant	looking carefully and in detai
	particles in and out	by a scientific	at an object
	of cells from high	observation	-02-
	concentration to low		
	concentration		
What is meant by	the number of	Give the equation for	total magnification =
concentration?	particles in an area	calculating	eyepiece lens magnification
		magnification	objective lens magnification
State what uni-cellular	made up of just one	Name the 4 key	nucleus, cell membrane,
means	cell	components of animal	cytoplasm, mitochondria
		cells	
What is an amoeba?	a uni-cellular	Name the 3 key	chloroplasts, cell wall,
	organism found in	components only	vacuole
	water, soil, and	found in plant cells	
WI	animals a uni-cellular	Den il de Cardin	and an analysis and the later
What is euglena?		Describe the function	cell membrane - controls what can come in and out of
	organism found in fresh water that	of the; cell	
		membrane, cell wall,	a cell, cell wall - strengthens
	contain chloroplasts	chloroplast,	and provides support,
		cytoplasm, mitochondria,	chloroplast - where photosynthesis happens,
		nucleus, vacuole	cytoplasm - where chemical reactions take place,
			mitochondria - where
			respiration happens, vacuole
			- contains cell sap
What is a flagellum?	a tail-like structure	What is a respiration?	a reaction that transfers
acio a nagenanii	that helps a uni-		energy for the organism
	cellular organism to		
	move		
Describe how amoeba	binary fusion	State the function of a	carry electrical impulses
and euglena		nerve cell	around your body
reproduce			, , , , , , , , , , , , , , , , , , , ,
State the function of a	absorb water and	State the function of a	transports oxygen around th
root hair cell	nutrients from soil	red blood cell	body
Name 2 substances	glucose, oxygen	State the function of a	carry male genetic material
that move into body	S,,,	sperm cell	to the egg cell
cells			-00

## **Y7 SCIENCE - Ecosystems**

Carpel

### Food chains and webs

- · Food chains show the direction in which energy flows when one organism eats another
- The direction of the arrows represent the direction in which the energy flows
- · Food webs show how a number of different food chains are connected



- Producers are the organisms which start the food chain, they convert energy from the Sun, making their own food, these are often plants
- Prey are organisms which are eaten by other organisms
- · Predators are the organisms which eat the prey

### Ecosystems

- All of the organisms which live in one area are known as a population
- · An ecosystem is all of the organisms which are found in a particular location and the area in which they live in, both the living and non-living features
- A community are all of the areas in an ecosystem, the area in which the organisms live in is known as the habitat
- A niche is the specific role in which an organism has within an ecosystem, for example a panda's diet consists of 99% bamboo

### **Disruption to food** chains

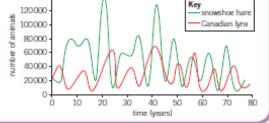
- Interdependence is the way in which living organisms rely on each other to survive
- A food chain will be disrupted if one of the organisms die out
- If the producer dies out the rest of the food chain will also die out unless they have a different food source
- If the consumer population die out the number of organisms which they eat will increase unless they are eaten by another organism
- Bioaccumulation is the process by which chemicals such as pesticides and insecticides build up along a food chain

### Competition

- Competition is the process in which organisms compete with one another for resources
- Animals compete for food, water, space and mates
- Plants compete for light, water, space and minerals
- The best competitors are those who have adapted in order to best gain these resources.
- As the number of a predator in a population increases the number of the prey will decrease as more are being eaten

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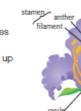
- As the number of the predator decreases the number of the prey will increase as less are being eaten
- The relationship between the predator and the prey is known as a predatorprey relationship



### Parts of a flower

#### Stamen

- Male part of the flower
- The anther produces pollen
- The filament holds up the anther



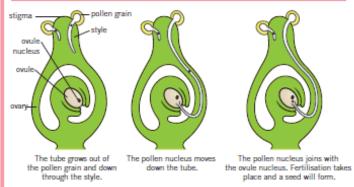
Female part of the flower The stigma is sticky to catch grains of pollen

- The style holds up the stigma
- The ovary contains ovules

### **Pollination and fertilisation**

Pollination is the fertilisation of the ovule, the point at which the pollen is transferred to the ovule from the anther to the stigma, there are two types of pollination

- Cross pollination is between two different types of plant
- Self pollination happens within the same plant



Germination is the process in which the seed begins to grow, for this to occur the seed needs:

- Water to allow the seed to swell and grow and for the embryo tostart growing
- Oxygen for that the cell can start respiring to release energy forgermination
- Warmth to allow the chemical reactions to start to occur within the seed

Keyterms Make sure you can write definitions for these key terms. anther bioaccumulation competition fertilisation food chain food web habitat Interdependence carpel community consumer ecosystem aermination niche ovule petal predator producer pollen pollination population sepal stamen stiama style prey 566d

## Y7 SCIENCE - Ecosystems

Keyword	Definition	Retrieval Question	Retrieval Answer	Key
Anther	The part of a plant that	State what a food	It shows the transfer of energy	Pro
	produces pollen	chain is	between organisms	
Bioaccumulation	The process by which	What is a producer?	A green plant/alga that makes its	
	chemicals build up in a		own food by photosynthesis	
	food chain			Pol
Carpel	The female reproductive	What is a consumer?	An animal that eats plants or	
	parts of a plant		other animals	
Community	All the areas of an	What is the difference	Predator - an animal that eats	
	ecosystem	between a predator	other animals, prey - is eaten by	
	7.	and prey?	another animal	Pol
Competition	Where resources are	What is a food web?	A set of linked food chains	
	limited, and one species			Pop
	has more of that			
	resource than another			See
Ecosystem	All the organisms which	What is a	An organism (bacteria/fungi) that	
	are found in a location	decomposer?	break down dead plant an animal	
	and the area in which	decomposer.	material	Sep
	they live		liateria	Set
Fertilisation	When a female sex cell	What is meant by the	The way in which living organisms	
ertinsation	joins with a male sex cell	term	depend on each other to survive,	
	joins with a male sex cen	interdependence?	grow, and reproduce	
Food chain	The direction in which	Describe what	The consumer population would	
rood chain	and the second of the second second to be a second second	Plane and a second of the substitute	also fall	Sta
	energy flows as one	happens to the	also fall	Sta
	organism eats another	consumer population		Chi I
		if producer population		Stig
F	A	falls	8	
Food web	A diagram showing how	State one organism	Bees	
	different food chains are	that is needed to		
	connected	pollinate crops		-
Germination	The process in which the	State what a	The number of animals or plants	Styl
	seed begins to grow	population is	of the same species that live in	
			the same area	
Interdependence	The way living	State what is meant	The levels of chemicals that	
	organisms rely on each	by bioaccumulation	accumulate (build up) in a food	
	other to survive		chain	-
Niche	The specific role an	State what is meant	The name given to plants and	
	organism has in an	by an ecosystem	animals that are found in a	
	ecosystem		location/area in which they live	
Ovary	Contains the ovule	State what is meant	The conditions found in a habitat	
		by the environment		
Ovule	The part of plant	State what is meant	The area organisms live	
	containing the ovum or	by a habitat	2	
	egg cells			
Petal	The brightly coloured	State what is meant	An area or role that an organism	
	part of a flower	by a niche	has within an ecosystem	
Predator	An animal that eats	State 4 resources that	Food, water, space, mates	
reador	another animal	animals compete for	rood, water, space, mates	
		annuals compete for		
Drov	The animal eaten by the	State A recourses that	Light water space minerals	
Prey	The animal eaten by the	State 4 resources that	Light, water, space, minerals	<u></u>
	predator	plants compete for		

Keyword	Definition	<b>Retrieval Question</b>	Retrieval Answer
Producer	Organisms at the start of a food chain, they convert energy from the Sun	State what is meant by interdependence	Changes of one animal directly affects the population of the other
Pollen	The male sex cell of a plant	Describe the pattern in a typical predator- prey graph	When prey population increases, predator population increases, the growing predator population eat more prey and numbers start to fall
Pollination	The fertilisation of the ovule	State why flowers have petals	To attract insects
Population	All the organisms that live in one area	State where pollen is made	Anther
Seed	An embryonic plant in a protective outer covering	List 3 ways pollen can be transferred between plants	Wind, insects, animals
Sepal	The outer casing of a flower	Describe the function of the; anther, carpel, filament, stigma, style, ovary	Anther - produces pollen, carpel - female part, filament - holds up the anther, stigma - catches pollen, style - holds up the stigma, ovary - contains ovules (female sex cells)
Stamen	The male reproductive part of a plant	What is nectar?	A sweet sugary fluid found
Stigma	The part of a plant that catches the pollen	Describe what happens during fertilisation in plants	Pollen lands on a stigma, grows a pollen tube down the style, the nucleus travels down the tube and joins with the nucleus of the ovule
Style	The part of the plant that holds up the stigma	Name the part of the flower that becomes the fruit	Ovary
		State the 3 things needed for germination	Water, oxygen, warmth
		Name 4 methods of seed dispersal	Wind, animal, water, explosive
		Describe 2 features of seeds that are transported by the wind	Small mass, extensions that act of wings/parachutes
		Describe how animals can transport seeds internally and externally	Internally - animals eat fruits containing seeds, passed out through droppings, externally - seeds stick to animals and then drop off
		Describe 2 features of seeds that are transported by water	Small mass, waterproof

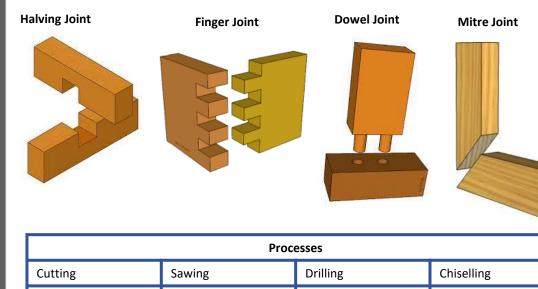
Y7 TECHNOLOGY – Graphical Skills

		Key words	unters 30 des
1	Oblique projection	A method of drawing something in 3D. Starting with a front view of a shape, 45° lines are drawn back from each corner of the shape. Lines have to be at 45° for it to be Oblique Projection. Squared grid paper can be used to help with Oblique Projection	Isometric Start from the edge of a shape and use 30 degree lines to
2	lsometric	A method for drawing something in 3D. Isometric uses 30° angled lines to create the sides and top of a shape. Isometric grid paper can be used to help draw in an isometric view	add the side
3	Perspective	Creates the illusion of depth. When drawing in perspective objects appear to get further away into the distance	Coblique           Start from the
4	Rendering	Using pens, pencils, crayons or paints to add texture and tone to a drawing, making the drawing more realistic looking	front face of an object and use 45 degree lines
5	Chisel Point	A flat surface on the tip of a pen or pencil allowing you to draw thick or thin strokes depending on the angle of the pen/ pencil	45 degrees backwards
6	Aesthetics	Visual appearance of a product considering things such as colour, shape, texture and pattern	
7	Horizon Line	A boundary at which the skyline meets with a flat surface of earth such as the ocean or the ground	
8	Vanishing Point	The point that all lines go back to when drawing in perspective. Lines appear to disappear into the vanishing point to add depth to drawings	
9	Horizontal line	a straight line that goes from left to right or right to left.	
10	Vertical Line	A straight line going from top to bottom or bottom to top	
11	Tone	How light or dark a colour is	
			One point perspective

Start by drawing a horizon line and a vanishing point. Ensure all lines always go back to the vanishing point

# Y7 TECHNOLOGY - Timbers

	Key words				
Timbers	wood prepared for use in building and carpentry				
Hardwoods	the wood from a deciduous (broadleaved) tree. Typically these tress take longer to grow and lose their leaves during winter. Hardwoods are often more expensive to buy than softwoods				
Softwoods	The wood from a coniferous tree. Typically these trees grow quickly and have needle or scale like leaves. Coniferous tress are evergreen, meaning they have keep their leaves all year round. Softwoods are often cheaper to buy than hardwoods				
Template	A shaped piece of rigid material that is used to draw or cut around to increase accuracy. They can also be used when shaping or drilling.				
Recess	A groove cut into a piece of material to house				
РРЕ	Personal Protective Equipment. Different items of PPE are used in the workshop to keep you safe when using particular tolls and machines				



Gluing

Finishing

Marking Out

Sanding

	Tools	
Marking Gauge		Mark out lines by running it along an edge and using the pin to mark a line into the material
Try Square		Used for marking out and checking 90° angles on wood, metal or plastic
Tenon Saw		A saw used for cutting wood. Its flat blade makes it good for cutting straight lines
Belt Sander		A machine that rotates a belt of sand paper at high speeds. Used to neaten up edges of wood
Coping Saw	and the second	A saw used to cut wood and plastic. Its think blade makes it ideal for cutting curved lines
Chisel		Is a cutting tool with a sharp edge. Sometimes used with a mallet to run along the surface off wood and remove shavings
Sand Paper		An abrasive paper used to smooth the surface of wood. It comes in a range of 'grit sizes' which range from rough to very fine

Y7 TECHNOLOGY – Fabrics and Fibres

Key word	Definition	Fibras some	fue as as used as unas and a	<b>Fibres</b>		
Fibre	A fibre is the smallest element of a fabric; it looks like a human hair.	Natural	· · ·		rom plants or animals. They are renewable, ants – Cotton and Linen sustainable and biod	
Fabric	Textile fabrics are woven or knitted from <b>yarn</b> , which is made from <b>fibres</b> :					
Woven	Fabric which constructed by interlacing two yarns at right angles to each other	Synthetic				e replaced, do mpose and contribute to nental problems if they
Natural Fibre	Natural fibres are from <b>plants</b> and <b>animals</b>		,,,,,,,	,	end up in	
Synthetic Fibre	Man-made fibres, such as those made from oil	Construction	n Properties	Details		Example
Knitted	Fabric which is constructed using interlocking loops	Weaving	Weaving is a method of making	method of making horizontally in		Weft direction
Printing Technique	Fabric printing is a fun way to add colour and pattern to the surface of textiles		fabric on a piece of equipment called		lirection across the com are called weft	
Renewable	They are replaced by new growth		a weaving loom.	ven Fabrics are a vertical direction in		Selvedg
Sustainable	They are replaced at a rate equal to or greater than the rate at which they are used)		Woven Fabrics are string and stable.			
Biodegradable	They decompose/rot	Knitting	Knitted fabrics are	In weft knitti		
Dyeing	changing a textile's colour by soaking it in a dye bath	Kincenig	stretchy, comfortable and	loops that rur horizontally a	re called	RARA
Embroidery Scissors	Fabric Shears	,	warm to wear. Weft knit: the rows of knitting in weft knitted fabric interlock with each other during the knitting process.	courses, and threads that r vertically dow knitted fabric called wales. knitted fabric created on fla machines or o knitting mach	run vn the s are Weft s can be st bed sircular	Course Wale

### Y7 TECHNOLOGY – Fabrics and Fibres

	• Fabric t out as beige or white (loomstate). ways to add colour to textiles – Dyein	Applique Applique is where fabric is sewn on to another piece of fabric using hand or machine stitches. T is mainly used to add decoration and colour, but can also have a function, for example		
Printing	Fabric printing is a fun way to add colour and pattern to textiles and can be done using various	There are many ways to do this both by hand and by machine. • Block Printing	to strengthen or repair the knee area	
	methods.	<ul> <li>Screen Printing</li> <li>Roller Printing</li> <li>Transfer Printing</li> </ul>	Hand Applique Sewing applique by hand is time consuming, and stitching r neat. Stitches are used that will seal the edges and stop the from fraying, for example, blanket stitch or satin stitch.	
Dyeing	Fabric dyeing involves soaking fabric in a dye bath so that it absorbs the colour into the fibre	There are many ways to do this: Tie dye Batik Space dye Dip Dye	Machine Applique Machine applique is the most commo easy to do. A close zigzag stitch is ofte applique	n type, as it is quick and
Embroidery	Use	Process		Image
Running Stitch	This is used to hold fabric in positio while it is being permanently stitched. Or create a dashed line.	n To make a running stitch, bring th hole then down through the next	e needle and thread up through the first	
Back Stitch	Used to create a solid line and join fabric together securely.		Bring the thread through on the stitch line and then take a small backward stitch through the fabric.	
Cross Stitch	Used to create decorative pictures	back one block up and one block front again one block down to for	ower right and take it through to the to the left, bringing it through to the rm a half cross. Continue in this way to aplete the upper section of the cross.	
Blanket Stitch	Used on the edges of material for decoration or for fabric that is too thick to be hemmed	Pull the thread through gently bu needle and thread through the lo	needle through both layers of the fabric. t stop to leave a loose loop. Bring the op and pull tightly. From underneath the ap the loose thread under the needle cess along the edge of the fabric	sim

The 4 C's

Cooking

Cooking kills

Food needs to

be heated till

steaming hot

with the core

temperature

reaching 75\*C

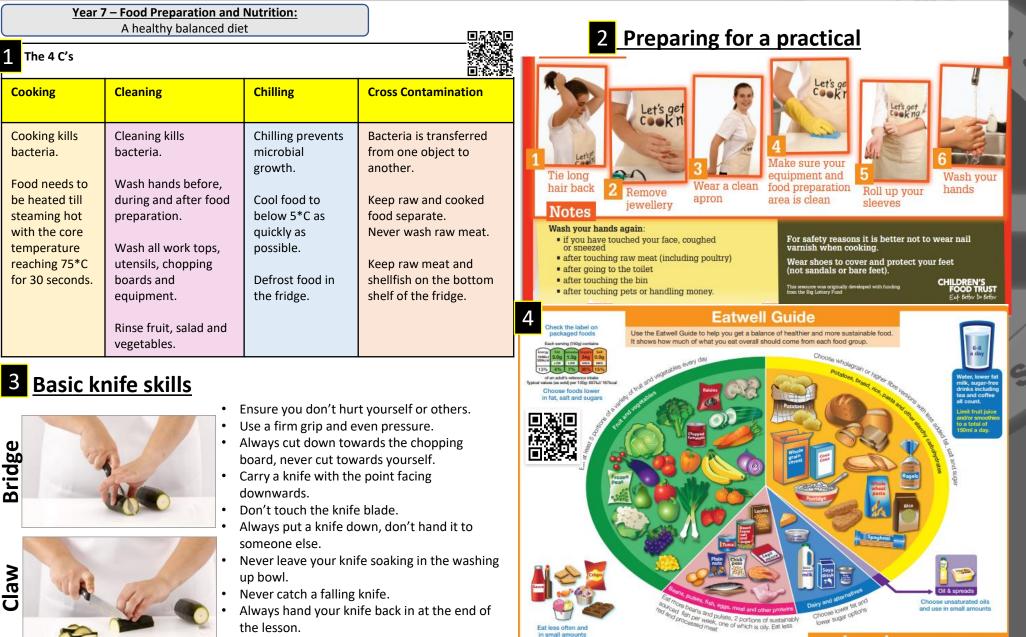
for 30 seconds.

Bridge

Claw

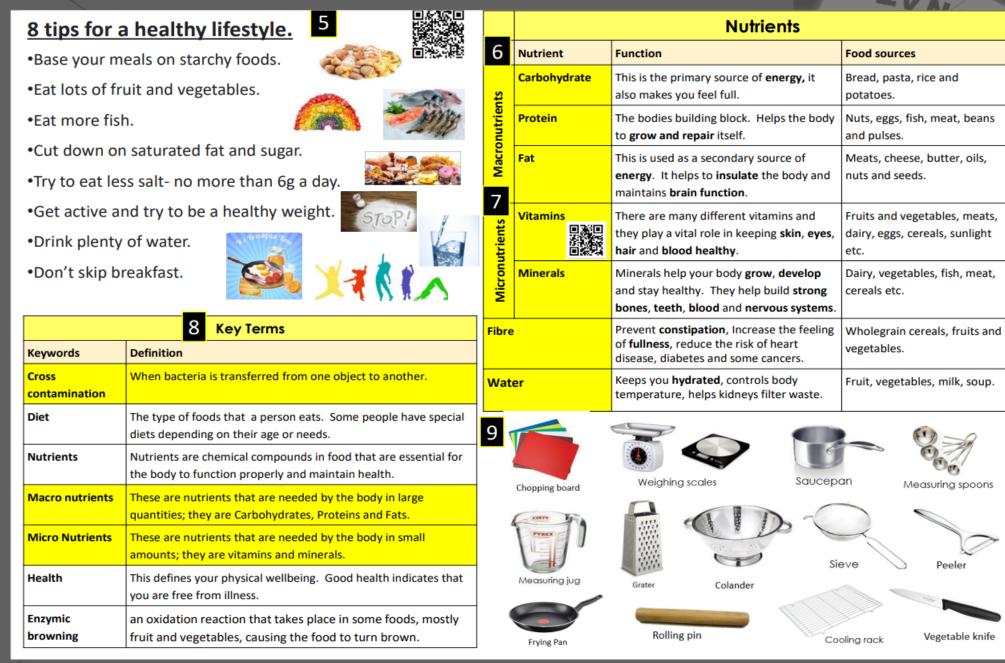
bacteria.

### **Y7 TECHNOLOGY – FPN**



2500kcal = ALL FOOD + ALL DRINK

### Y7 TECHNOLOGY – FPN



# Year 7 ICT Knowledge Organiser

Logging on <u>USERNAMES</u> these begin with 20 followed by First Name Initial and then Surname. Bob Smith would be 20bsmith

Strong Passwords are usually more than 8 characters with a mixture of uppercase, lowercase letters, numbers and symbols. They should be changed frequently. You should never share passwords.

**ONE DRIVE** is where you save all your personal documents at Christ the King. You can access this using your email address to login to Office.Com.

Email Address example: 20bsmith@christtheking.notts.sch.uk

Sending Email we use Outlook at CtK to send Emails. You should type an email address into the To: field. If you want to send a copy of the message to another person use the CC: field – this stands for CARBON COPY. If you do not want anybody to know you are sending a person a copy you should use the BCC – Blind Carbon Copy box. You can use the High Importance button to mark your message as important.

### Key Vocabulary

**Personal Data** – data that can be used to identify an individual. This could be Name, date of birth or home address.

Spam – irrelevant or unwanted emails or messages, usually sent to a lot of people. Normally used for advertising or spreading harmful programs. To reduce spam, tick the 'do not share my email box' on forms.

Identity Theft is when somebody pretends to be you using your person information, usually stolen online or through theft. Thieves may set up bank accounts and credit cards in your name.

**Geo Tagging** is when your location is tagged in social media posts or saved to a picture when you take it. Posting your location can be dangerous.

Phishing is when somebody pretends to be somebody you trust, usually in an email and asks for information which will help access your accounts or steal your identity. You should always check emails asking for information to see if they are trustworthy.

**Firewall** – security software preventing unauthorised access to a computer.

Anti Virus – Software that scans and removes malicious/harmful software on your computer.

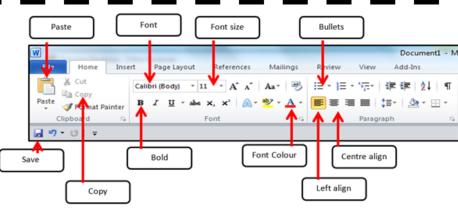


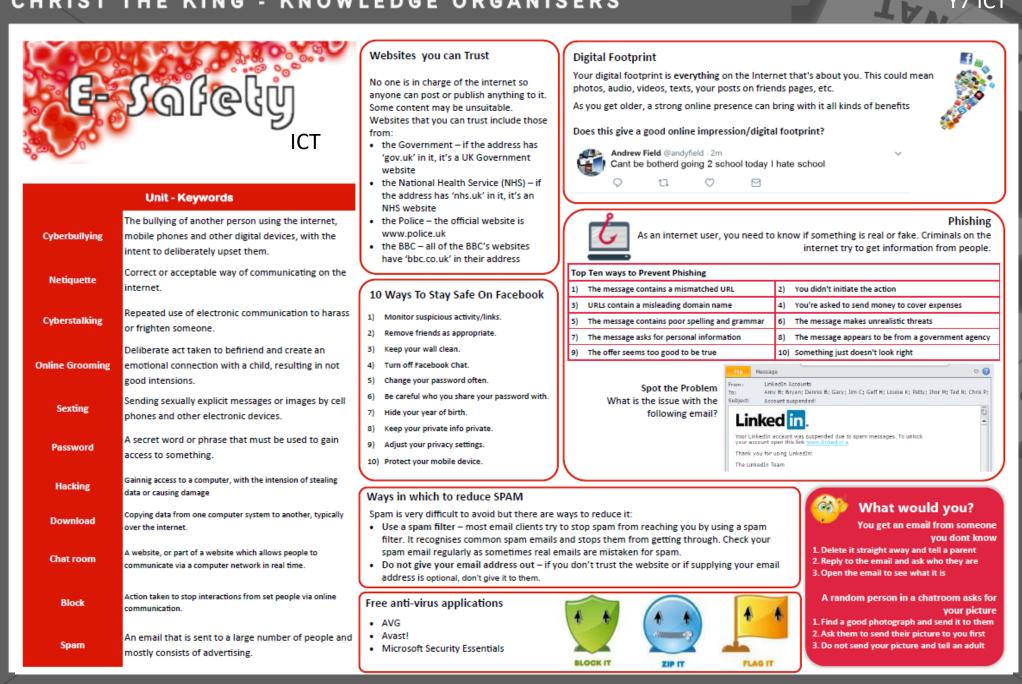
### Microsoft Teams

At CTK we use Microsoft Office Teams in class, for assignments, and to connect with students. You can also download the '**Teams**' app on your desktop or phone, then use your **School email** and **password** to sign in to access it.

Vocabulary	
File	A specific piece of fata held on a computer
Folder	A virtual location where programs, files and other folders can be located
Shortcut key	A combination of keys that when pressed simultaneously, perform some task that ordinary requires to use a mouse.
Email	Messages sent electronically over a computer network
Attachment	A computer file sent along with an emai message
Search engine	A computer program that is used to look for information on the internet
Social network	An online platform that allows users to create a public profile and interact with other users on the website
Online profile	A social identity that an internet user establishes in online communities and websites
Privacy settings	The part of a social networking website, internet browsers, piece of software. Etc that allows you to control who sees information about you
Cyberbullying	Using technology to bully someone
Virus	A program or piece of code that is loaded onto your computer without you knowledge and runs against your wishes and has detriment effect

Y7 ICT





Y7 ICT