Ofstec Good Provider 2022

Need To Know Book Year 7 2024/2025

Name:

Form Group: _

Helping every person achieve things they never thought they could.

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Be Kind.

Work Hard.



What does the top of my mountain look like?

Contents	Content	Page Number
Page	Need to Know Instructions	
	Art	
	Catering	
	Computing	
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	English	
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Knowledge Retrieval Sheet

What are knowledge retrieval sheets?

Take Responsibility.

Here at Little Lever School, we think it is really important that you know what the essential knowledge is for each subject that you study. Learning takes place not only in the classroom, but in all areas of the school building, and at home. These knowledge retrieval sheets contain all the essential knowledge you will need to help revise and make progress towards achieving your best in all of your subjects.





By using your knowledge retrieval sheets each week you will be able to transfer your knowledge from your short-term memory, and make it stick. Within all your lessons, you will be asked to retrieve knowledge from your long-term memory. This might be in the form of quizzes or longer responses. These might require you to use lots of information you have already stored from previous lessons and from your own life experiences. These Need to Know Books will help you to check how much you can remember.

We have designed your knowledge retrieval sheets so that they are simple for you to use both in school and at home. You can even get others to help you. Below are some options for how you might use each sheet to make the knowledge stick in your brain so that you will be able to remember it.

Using Knowledge Retrieval Sheets- 5 Top Tips:



'Look, Cover, Say, Write, Check'- Look at a fact on your sheet, cover it up with your hand or a piece of paper. Say it out loud, write the fact down without checking and then uncover and check if you were correct.

'If this is the answer, what is the question?'- Quiz yourself by covering up facts on your sheet. For example, you could cover up the definition of key vocabulary and try to remember what the key vocabulary means.

Independent low-stakes quizzing- Use the questions on the back of each sheet to test yourself. You should write the answers on a separate sheet of paper so that you can use the question sheet again in future.

Paired low-stakes quizzing- Give your book or a sheet to someone else. (Could be a friend, teacher or family). They can ask you the questions on the back of any sheet and use the facts on the front to check if you are correct.

Flashcard Revision- Make flashcards using your knowledge sheets. Can you summarise the essential knowledge into your own words to put onto a pocket-sized revision card?









Year 7 Art: The Shoe Project

The Formal Elements of Art

Line	A line is an identifiable path created by a point moving in space . It is one-dimensional and can vary in width, direction, and length. Lines can be horizontal, vertical, or diagonal, straight or curved, thick or thin.
Tone	T one refers to the relative lightness or darkness of a colour. One colour can have an almost infinite number of different tones .
Colour	Made up of three properties: hue, value, and intensity. Red, yellow and blue are primary colours, which means they can't be mixed using any other colours. Two primary colours mixed make a secondary colour. A primary and a secondary colour mixed make a tertiary colour
Shape	A shape is an area enclosed by a line. It could be just an outline or it could be shaded in. Shapes can be either geometric, like a circle, square or triangle, or irregular.
Texture	Texture refers to the surface quality in a work of art . We associate textures with the way that things look or feel.
Pattern	Pattern is created by repeating lines, shapes, tones or colours. The design used to create a pattern is often referred to as a motif. Motifs can be simple shapes or complex arrangements.
Form	Form is a three-dimensional shape, such as a cube, sphere or cone. Sculpture and 3D design are about creating forms.

Recky Crus Recky Pace Matching Book Book<

Mark making

Mark making describes the different lines, dots, marks, patterns, and textures we create in an artwork. It can be loose and gestural or controlled and neat. It can apply to any material used on any surface: paint on canvas, ink or pencil on paper, a scratched mark on plaster, a digital paint tool on a screen... Artists can also use mark-making to express feelings and emotions.

Collage

Collage (from the French meaning "to glue") describes both the technique and the resulting work of art in which pieces of paper, photographs, fabric and other ephemera are arranged and stuck down onto a supporting surface.





Mono printing

The monoprint is a form of printmaking where the image **<u>can only be made once</u>**, unlike most printmaking which allows for multiple originals. There are many techniques of mono-printing, in particular the monotype. Printmaking techniques which can be used to make mono-prints include **lithography**, **woodcut**, and **etching**.

Alberto Giacometti

A Swiss sculptor, painter, draftsman and printmaker, known for his sculptures of elongated human figures. His work was particularly influenced by artistic styles such as **Cubism** and **Surrealism**. Giacometti would often draw out his sculpture designs before he made them using a drawing technique called continuous line.

Continuous Line Drawing

The line in a continuous line drawing is **unbroken from the start to the end.** The drawing implement stays in uninterrupted contact with the surface of the paper during the entire length of the drawing.



Year 7 Art: The Shoe Project

The Formal Elements of Art

What do you know about line?

What do you know about **tone?**

What do you know about **colour?**

What do you know about **shape**?

What do you know about **texture**?

What do you know about **pattern**?

What do you know about **form**?





2. What can mark making be used to describe?

1. Give three examples of mark making techniques

Collage

3. Which language does the word collage come from? What does it mean?

Mark making

4. Give some examples of materials you could use.



5. Give some examples of printmaking techniques that can be used to make mono prints.

6. Which two art movements was Giacometti's work influenced by?

7. What kind of drawings did Giacometti use before creating his sculptures?

8. What is continuous line drawing?



Year 7 Art: Hundertwasser

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Texture	Texture refers to the surface quality in a work of art . We associate textures with the way that things look or feel.
Pattern	Pattern is created by repeating lines, shapes, tones or colours. The design used to create a pattern is often referred to as a motif. Motifs can be simple shapes or complex arrangements.
Form	Form is a three-dimensional shape, such as a cube, sphere or cone. Sculpture and 3D design are about creating forms.



Friedensreich (Fritz) Hundertwasser

Austrian painter, architect, ecological activist and philosopher. In his work, he used spirals, organic forms, wavy lines, bright colours, and a strong individualism. He wanted humans to live in harmony with nature, where there are no straight lines. Once, he called straight lines "something cowardly drawn with a ruler, without thought or feeling. "He hated the way most buildings had straight lines and angles. He felt that buildings should fit and represent those who lived inside them. His building designs use natural forms, and often fit around nature rather than trying to bend nature to fit them.

Complementary Colours

These are colours that are directly opposite each other on the colour wheel. Also called contrasting colours because they create the biggest contrast when placed next to each other (this means they make each other stand out more).

Warm and Cold Colours

The colour wheel can be split into two halves. Yellow, orange and red are warm colours because they remind us of things associated with heat such as the sun, beaches, and fire. Purple, blue and green are called cold colours because they remind us of things with the absence of heat such as water, ice, and grass.

Warm colours can be used to evoke stimulating feelings such as energy, while cold colours are more likely to have a calm, relaxing effect.

Harmonious Colours

Any colours that sit next to each other on the colour wheel. Also called Analogous colours. These groups of colours are called harmonious because they go well together.







Year 7 Art: Hundertwasser

The Formal Elements of Art

What do you know about line?	
What do you know about tone?	
What do you know about colour?	
What do you know about shape ?	
What do you know about texture ?	
What do you know about pattern ?	
What do you know about form ?	



- 1. Who was Friedensreich Hundertwasser?
- 2. Why did he dislike straight lines?
- 3. What are the key themes in Hundertwasser's work?

Colour Theory- questions	Answers
1. What are complementary colours?	
2. What do complementary colour do when placed next to each other?	
3. Name the three main pairs of complementary colours	
4. What are harmonious colours?	
5. Why are they called harmonious colours?	
6. Name three harmonious colours	
7. Name three warm colours	
8. Name three cold colours	
9. What kind of feelings can warm colours evoke?	
10. What kind of feelings can cold colours evoke?	
Which colours might you use if you wanted t	o portray a feeling of:
Excitement = Boredom = Anger =	Sadness = Happiness = Confusion =

Catering



Year 7 Catering

Why is personal hygiene important?

Your hands, hair, face, skin, clothing and jewellery can all be a source of bacteria which can be transferred onto food. This is known as cross-contamination.

Good personal hygiene is important to prevent the risk of food poisoning.

What is a Risk Assessment?

A risk assessment involves looking closely at something and deciding if there are any hazards that may be cause a risk to people. A risk assessment is used to figure out what needs to be done to prevent the risk from happening.

What are the common symptoms if you have a food-borne illness?

- 1. Vomiting
- 2. Diarrhoea
- 3. Nausea
- 4. Abdominal and stomach pains
- 5. Fever/high temperature

Before we start practical we should always:

- Take off coats and blazers,
- Put on and fasten a clean apron,
- Tie hair up if needed
- Wash hands thoroughly.



How to wash your hands properly

1. In a hand sink just for hand

2. Use comfortably hot water

3. Rub vigorously for 15 to 20

4. Don't forget between fingers,

seconds with antibacterial soap

wrists, fingertips and thumbs!

5. Rinse hands before drying with

disposable towel (not a tea

washing.

towel)!

What are the main ingredients for bread?

Strong flour, salt, oil/butter/yeast, salt What is yeast?

It is a raising agent. It can be bought as a dried, fresh or powdered form.

In order to grow and ferment (produce carbon dioxide gas) it requires four things: **food, moisture, warmth and time.**

Rubbing in is a technique where flour is rubbed into a fat to make dishes such as shortcrust pastry, crumbles and scones. When you knead dough or other food, you press and squeeze it with your hands so that it becomes smooth and ready to cook.

To **sauté** a dish means to cook it in a small amount of fat over high heat, making sure that the food doesn't stick to the pan.

To **simmer** means to cook something liquid, or something with liquid in it, at a temperature slightly below boiling

The Eatwell Guide is a visual representation of the UK government's recommendations for a healthy and balanced diet

The guide is divided into five food

groups, each representing a different type of food that we should aim to eat in appropriate proportions. The five groups are:

Fruit and vegetables Starchy carbohydrates Protein foods Dairy and alternatives Oils and spreads:



How do you use a probe thermometer?

Insert the stem of a probe thermometer into the thickest part of the food, or in the centre of the food if the food is even in thickness.

Wait at least 15 seconds for the reading to steady and then record the reading. Hot food should reach at least 75c

Year 7 Catering		What are the main ingredients for bread?	What is The Eatwell Guide?
Why is personal hygiene important?	How do you wash your hands properly? 1. 2.	What is yeast?	
	3. 4. 5.	Explain the following food preparation terms:	What does the Eatwell Guide show us?
What is a Risk Assessment?		Rubbing in and kneading Explain the following cooking terms:	
What are the common symptoms if you have a food-borne illness? 1. 2. 3.		Sauté and simmer	
4. 5. What should we do before we	What foods do you prepare on		
start a practical?	each of the following coloured chopping boards? Red, blue, yellow, green, brown and white	How do you use a probe thermometer?	

Computing





Year 7 Computing

Device Security- how to create a strong password

- 1. Minimum of 1 capital letter
- 2. Minimum of 1 lowercase letter
- 3. Minimum of 1 number
- 4. At least 8 characters long
- 5. Cannot contain part of their name
- 6. Cannot use Microsoft easy to guess password list.

Using emails

Email safety tips:

- Don't share your password with anyone.
- Don't open attachments from anyone you don't know.
- Log out or sign off from your account when you've finished.
- Don't reply or forward an email from people you don't know. Delete them.
- Never click on links in emails without checking that the email is real.
- It is hard to spot a fake email, so if you are unsure, then delete it.

Define: Email Etiquette - Rules of sending professional emails.

Rules for excellent email etiquette:

- Always include a subject line.
- Start your email politely (e.g. Dear..)
- Write in full sentences using correct spellings and punctuation.
- Finish politely with your name (e.g Thank you, Joe Bloggs)
- Set priority of the email appropriately, if it is important.

Define: Cyberbullying - includes sending, posting, or sharing negative, harmful, false, or mean content about someone else online to cause them embarrassment or humiliation.

Ways you can prevent cyberbullying:

- Block and report the bully
- Tell a trusted person

Cyberbullying

- Do not retaliate save information/evidence
- Deactivate old accounts

Too much screen time

Define: Screen time – The amount of time spent in front of an electronic screen, this could be a phone, a laptop or a TV for example.

Define: Electronic Screen Syndrome (ESS) – a term used to describe health issues related to excessive screen time.

Define: Melatonin – a hormone released by the pineal gland in the brain which regulates the sleep-wake cycles. This is affected by the blue light emitted from screens.

Negatives of too much screen time:

- Can affect the ability to fall and stay asleep.
- Prevent you from spending time doing other important things. Such as reading, socialising with friends and exercise.

Ways to protect yourself:

- Limiting your screen time to a set amount per day.
- Turn on the device blue light filter.
- Put your device into a another room when you are learning, reading etc to avoid distractions.



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Year 7 Computing

What are the rules for creating a strong password?

1.	
2.	
3.	
4.	
5.	
6.	

Using emails

Email safety tips:

- Don't share your _____ with anyone.
- •Don't open attachments from anyone you don't know.
- •Log out or sign off from your account when you've finished.
- Don't reply to emails from people you _____. Delete them.
- •Never click on links in emails without checking that the email is real.
- It is hard to spot a fake email, so if you are unsure, then never reply.

Define: Email Etiquette - _____.

Rules for excellent email etiquette:

- •Always include a ______.
- •Start your email politely (e.g. Dear..)
- •Write in full sentences using correct ____
- Finish with your name.

Cyberbullying

Define: Cyberbullying =

Ways you can prevent cyberbullying:

- _____and report the bully
- Tell a _____person
- Do not retaliate save information/_____
 - _____old accounts

Too much screen time

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Negatives of too much screen time:

Ways to protect yourself:

Year 7 Computing

Sharing Selfies	Online Groomer/ Online Predator	Define: Hardware - The machines, wiring, and other physical components of a computer or other electronic
Define: Selfie – a photograph that you take of yourself, usually with a mobile phone. Define: Consent – permission for something to happen or agreement to do something.	Define: Online Groomer/ Online Predator - A groomer is someone who tries to build a relationship with a child or vulnerable person, often online, who really intends to exploit them or hurt them in some way.	system. Define: Input Devices - Data is entered into a computer system using input devices. Input device examples: Mouse, keyboard, microphone, camera Define: Output devices: Once data
Define: Body image - the perception of the physical self and the thoughts and feelings that result from this.	Define: Vulnerable - exposed to the threat of being attacked or harmed, either physically or emotionally. Warning signs of an online	has been processed, it is outputted by the computer using output devices. Output device examples: screen, speakers, printer
Potential problems of sharing images of ourselves online:	pictures	What is a computer? A computer is a machine that helps people do mar homework, or talking with friends online. Compute
 Edited images can distort our view of what is 'natural'. Sharing of potentially damaging images of 	Saying flattering thingsChanges their mood suddenlyWants to chat to you privately	Input Devices Mouse Keyboard Scanner Microphone Webcam
ourselves to our reputation that can affect us negatively in the future.	 They can see you, but you can't see them (broken camera) Contact CEOP if you are think 	Communication Devices Modem Network Card Wifi Card

you have been in contact with

an online groomer and NEVER

reply to them.

Once an image is shared, it • cannot be unshared.

External Hardware

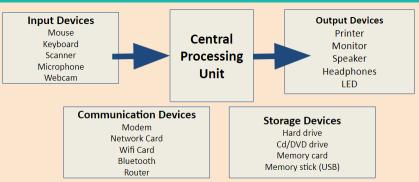
Define: Motherboard - Contains the CPU and RAM. Desktop motherboards have expansion slots so you can add to the motherboard. Such as video cards and wireless cards.

Internal Hardware

Define: RAM - This is random access memory and is used by the computer when it performs short term calculations. You can't store files here as it is cleared when the computer is switched off.

Define: Hard drive - Long term, permanent storage of the computer's data even when it is turned off.

Define: CPU - Central processing unit. Controls all the tasks and operations of a computer.



any different things, like playing games, doing ters have the following parts:

Year 7 Computing		Exte	ernal Hardwar	e		Internal Har	dware	
Sharing Selfies	Online Groomer/ Online Predator	Define: Hard	lware :		Define	e: Motherboard	:	
Define: Self expression: Define: Consent:	Define: Online Groomer/ Online Predator - A groomer is someone who tries to build a relationship with a child or person, often online, who really intends to them or hurt them.	Define: Inpu			Define	e: RAM :		
Define: Body image :	Define: Vulnerable:	Define: Out			Define	e: Hard drive:		
	Warning signs of an online groomer:	Output devi	ce examples:		Define	e: CPU:		
 Potential problems of sharing images of ourselves online: Editing images can distort our view of what is ''. Sharing of potentially damaging images of ourselves to our reputation that can affect us negatively in the future. 	 Receiving or sending Inappropriate or sexual chat Saying		machine that help: Ilking with friends Input Devices	online. Comp	entral cessing Unit	• •	arts:	ames, doing
• Once an image is shared, it	think you have been in contact							

cannot be _____.

with an online groomer.

Year 7 Computing: Software

Software is the set of instructions that directs a computer to perform tasks. It is categorised into system software and application software based on its functions.

Term	Description	
Software	Software is like a set of instructions that tells the computer what to do. It's the programs and apps you use.	
System Software	Helps the computer run and manages all the parts inside it. It's like the boss of the computer that keeps everything working.	
Application Software	includes programs designed to do specific tasks for you, like games, drawing apps, or word processors.	

Types of application software

Software Category Description		Examples	
I do things like writing documents		Word processors, spreadsheets	
Design Software These are programs that help you create pictures, graphics, and 3D models. You use them to draw and design things on the computer.		Adobe Photoshop, Photopea	
Audio and Video Software	These are programs that help you make and edit sounds and videos. You use them to create and change music, recordings, and movies.	Audacity (audio), Adobe Premiere (video)	

Types of system software

Term	Description	Examples
Operating Systems	The main program that helps your computer run and lets you use other programs. It's like the manager that controls how everything works together.	Windows, macOS, Linux
Drivers	Special programs that help the computer communicate to the different parts, like the printer or the keyboard. They make sure everything works together smoothly.	Device drivers for printers, graphics cards, etc.
Utilities	Tools that help keep your computer in good shape, like cleaning up old files or protecting it from viruses. They do specific jobs to make your computer run better.	Disk Cleanup, Antivirus software
Boot Loaders	The programs that start up your computer and get it ready to use. They wake up the operating system when you turn on your computer.	GRUB, LILO (for Linux), NTLDR (for Windows)

Year 7 Computing: Software

Software is the set of instructions that directs a computer to perform tasks. It is categorised into system software and application software based on its functions.

Term	Description
Software	Software is like a set of instructions that tells the computer what to do. It's the programs and apps you use.
System Software	
Application Software	

Types of application software

Software Category	Description	Examples
Productivity Software		
Design Software		
Audio and Video Software		

Types of system software

Term	Description	Examples
Operating Systems		Windows, macOS, Linux
Drivers		Device drivers for printers, graphics cards, etc.
Utilities		Disk Cleanup, Antivirus software
Boot Loaders		GRUB, LILO (for Linux), NTLDR (for Windows)

Year 7 Computing: Image editing

- Crop Tool
- Spot Healing Brush
- Brush Tool
- Clone Tool
- Eraser Toot
- Gradient Toot
- Type Tool-
- Pen Tool
- Path Select
- Rectangle
- Zoom Tool

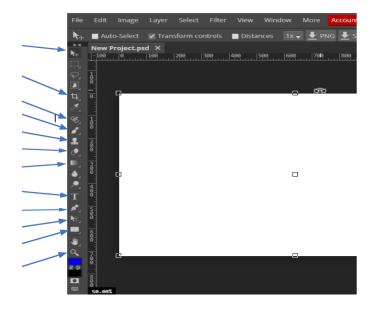
Copyright Facts

- 1. When you take a photo, you own the copyright, which means you decide how it can be used.
- 2. Adding a copyright symbol (©) is optional; you still own the photo as soon as you take it.
- 3. Privacy is important: you can't take and use someone's photo without their permission.
- 4. You can use copyrighted photos for personal or school projects, but sharing them online without permission is illegal.
- Reposting photos that you didn't take on social media is against the law, 5. even if lots of people do it.

Keyword	Definition	
Move Tool	The Move Tool allows users to move objects, layers, or selections within a graphic editing software.	
Crop Tool	The Crop Tool is used to trim or cut down the size of an image or canvas to a specific area.	
Spot Healing Brush	The Spot Healing Brush is a tool that automatically samples and blends surrounding pixels to remove blemishes or imperfections.	
Brush Tool	The Brush Tool is a versatile tool for painting, drawing, or adding colour to an image using various brush shapes and sizes.	
Clone Tool	The Clone Tool allows users to duplicate or "clone" a part of an image by copying pixels from one area and painting them in another.	
Eraser Tool	The Eraser Tool is used to remove parts of an image or layer, making it transparent or revealing the layers below.	
Type Tool	The Type Tool is used for adding text to an image or document. Users can choose fonts, sizes, and styles for the text.	
Rectangle	In graphic design, a Rectangle is a geometric shape with four straight sides and four right angles, often used as a design element or container.	
Zoom Tool	The Zoom Tool allows users to magnify or reduce the view of an image, making it easier to work on details or see the entire canvas.	



Year 7 Computing: Photopea Tool names



Copyright Facts

 1..

 2..

 3..

 4..

 5..

Keyword	Definition
Move Tool	
Crop Tool	
Spot Healing Brush	
Brush Tool	
Clone Tool	
Eraser Tool	
Туре Тооі	
Rectangle	
Zoom Tool	

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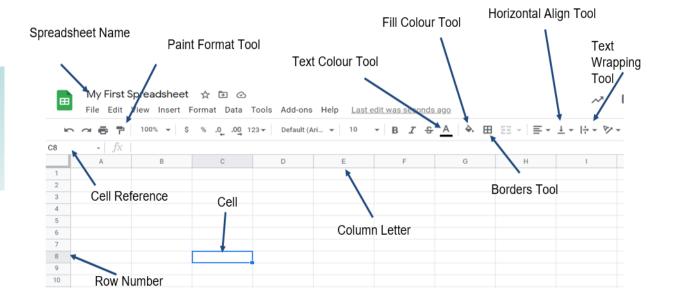
Year 7 Computing: File types, digital mapping and Spreadsheets

Keyword Definition		К
JPG (JPEG)	A common picture file that makes images smaller by simplifying colours and removing some details.	G
PSD	A file type for Adobe Photoshop that keeps layers and details so you can keep editing the image.	St
PNG	A high-quality picture file that doesn't lose details and supports see-through parts.	Pl Sc
Google Drive	An online storage service where you can save files, access them from anywhere, and work with others at the same time.	A
File Compression	Making a file smaller by removing unnecessary information to make it easier to manage.	G

Keyword	Definition	
Google Earth	An online tool that shows pictures of the Earth from satellites and planes, and lets you see streets up close.	
Street View	A feature in Google Maps and Google Earth that lets you see what streets look like from the ground.	
Photogrammetry Software	Software that uses photos to make accurate measurements and 3D models of objects.	
Augmented Reality	Technology that adds digital images or information to th real world around you.	
Geolocation	Finding and sharing the exact location of a device or person using technology.	

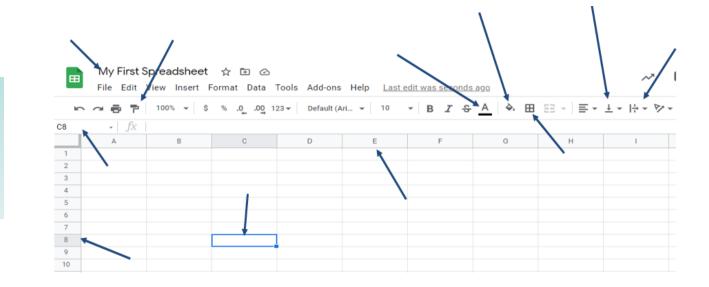
Spreadsheets

A Spreadsheet is a useful tool to help us organise lots of data, we can then use that data to create graphs, track events and even make predictions.



Year 7 Computing: File types, digital mapping and Spredasheets

Keyword	Definition	Keyword	Definition
JPG (JPEG)		Google Earth	
PSD		Street View	
PNG		Photogrammetry Software	
Google Drive		Augmented Reality	
File Compression		Geolocation	



Spreadsheets

A Spreadsheet is a

Year 7 Computing: Control and Monitoring

Types of sensor

Various sensors are used in control systems to monitor conditions allowing the control system to make decisions based on those conditions:

Using Sensors in Control Systems

Humans have 5 senses:

- Sight
- Touch
- Taste
- Hearing
- Smell

Sensors help control systems 'see' and 'feel' what's happening around them. We can use cameras to see, temperature sensors to feel heat, light or movement sensors to detect light or motion, sound sensors to hear, proximity sensors to sense how close something is, and air quality sensors to check the air.

Symb

Key Words						
abstraction	Identify the important aspects to start with					
algorithm	Precise sequence of instructions					
decomposition	Breaking down a problem into smaller parts					
iteration	Doing the same thing more than once					
selection	Making choices					
sequence	Running instructions in order					
	<u> </u>					

	Sensor Type		Description		Example of Use in Control System	
	Temperature Sense	or	Measures the te or environment.	emperature of a system	Turning on radiators when it gets too cold.	
	Pressure Sensor		Measures the provide the provided of the provi	ressure within a system	Making sure the pressure is just right in a hydraulic system.	
s	Proximity Sensor		Senses if something is close by or not.		Turning on doors or lights when someone gets close.	
on,	Motion Sensor		Notices when so certain area.	omething moves in a	Setting off security alarms or turning on lights when it detects movement.	
	Light Sensor		Measures how b around.	oright or dark it is	Changing the brightness of indoor lights based on how much natural light is outside.	
ol		Na	me	Description		
Start/End		Indicates the start or end of a process or program.				
		Pro	ocess	Represents a specific	task or operation in the flowchart.	
	\diamond	Decision Represents a decision p		Represents a decision	point with multiple outcomes.	
		Inp	ut/Output	Indicates data input o	output in the flowchart.	
	Flow Arrow Represents the flow			or direction of the process.		
		Sub	proutine	A subroutine is a set of computer commands that do a specific job. You can use this set of commands many times in different parts of your program. Once the subroutine finishes its job, the program continues from where it left off.		

11

Year 7 Computing: Sensor types

Types of sensor

Various sensors are used in control systems to monitor conditions allowing the control system to make decisions based on those conditions:

Using Sensors in Control Systems		Sensor Type		Description		Example of Use in Control System
Humans have 5 senses: • • • • • • • • • • • • •		Temperature	Sensor			
		Pressure Sens	or			
		Proximity Sen	sor			
		Motion Senso	r			
Key Words		Light Sensor				
abstraction	Symbol		Name		Description	
algorithm						
decomposition]				
iteration		\diamond				
selection						
sequence		\rightarrow				

Year 7 Computing: Spreadsheets

Formulas and functions

Keyword	Explanation
Function	A function is like a special command that helps you perform specific tasks in your spreadsheet. It's a tool that makes it easier to do things like adding numbers together or finding the average of a group of numbers. E.g. = SUM(D3:D6)
Formula	A formula is like a set of instructions you give to the computer. It tells the spreadsheet exactly how to calculate or process certain data. For example, you can use a formula to add up numbers or multiply them. E.g. = C4 + C5
Conditional Formatting	Conditional formatting is a feature that lets you change the way your spreadsheet looks based on certain conditions. It's like giving your data a makeover by setting rules, such as making numbers turn a different color if they meet specific criteria.

Golden rule: every formula always starts with an =

	Cell references begin with a						I.							
	letter, and finish with a							II	Ar	ange	e is a	a se	lec	
	number. EG: <mark>A1</mark>						II			E	G: <mark>(</mark> /	<u>2:</u>		
		Α	В	С	D	E	F	G	II		Α	В	С	D
	1								II	1				
	2								II	2				
۱L	3								II	3				
	4								II	4				
	5								II	5				

A range is a selection of cells. EG: (A2:F4)							
	Α	В	С	D	Ε	F	G
1							
2							
3							
4							
5							

Formula Operators

+	Adds two numbers/cells			
-	Subtracts one cell or number from another			
*	Multiplies two numbers/cells			
/	Divides one number/cell from another one			
<	Less than			
>	Greater than			

Common Spreadsheet Functions

= SUM	Adds a range of cells together.
= AVERAGE	Finds the average for a range of cells.
= MAX	Finds the largest value in a range of cells.
= MIN	Finds the smallest value in a range of cells.
=COUNT	Counts how many times a range of cells contains a number.

Year 7 Computing: Spreadsheets

Formulas and functions

Keyword	Explanation
Function	
Formula	
Conditional Formatting	

Formula Operators				
+				
-				
*				
/				
<				
>				

Golden rule: every formula always starts with an =

Cell references begin with a						L			
letter, and finish with a							II	A	
number. EG: A1							I		
ABCDEFG								I	
1								II	1
2								II	2
3								II	3
4								II	4
5								I	5
_						_			

	A range is a selection of cells. EG: <mark>(A2:F4)</mark>									
		Α	В	С	D	Ε	F	G		
	1									
	2									
	3									
	4									
	5									
Ľ.,										

Common Spreadsheet Functions= SUM= AVERAGE= MAX= MIN=COUNT

We can represent data in spreadsheets easily using graphs, this helps the reader to visualise what the data means.

Chart Type	When it's Useful	Benefits	Drawbacks
Bar Chart	Comparing quantities between different categories.	Easy to read and interpret.	Not suitable for showing trends over time.
Line Chart	Showing trends and changes over time.	Highlights patterns and trends.	May be confusing if there are too many data points.
Pie Chart	Displaying parts of a whole.	Clearly illustrates the proportion of each component.	Can be misleading if the number of categories is large.



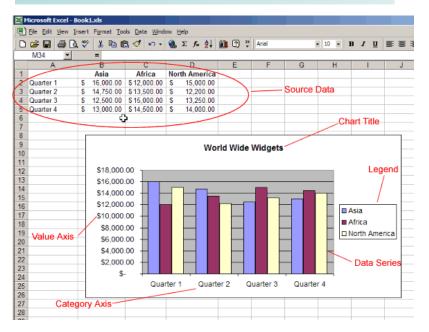
Pie



Column

Line

Chart key terms



Year 7 Computing: Creating charts and graphs

We can represent data in spreadsheets easily using graphs, this helps the reader to visualise what the data means.

Chart Type	When it's Useful	Benefits	Drawbacks





Bar



Column

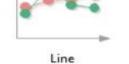
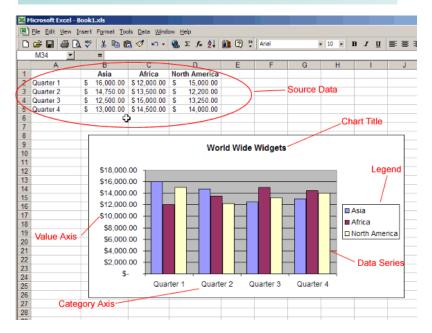


Chart key terms



Year 7 Computing: Block based programming (Scratch)

Scratch works using different coloured blocks that fit together to build programs. There are lots of different coloured blocks that do different things, by combining these blocks together we can make programs

Settings - 🗗 File -	Ø Edit → 🔅 Tutorials	Join Scratch Sign in					
😂 Code 🔮 Costumes 🌒 Sounds							
Motion Loss	Building platform - your code goes here	vour code Sprites voi sprites voi Sprites voi Choose, add and edit which sprite or background you are using. Sprites voi Sprites voi Sprit					
<u></u>	E Key Words						
abstraction	Identify the important aspects to start with						
algorithm	Precise sequence of instructions						
decomposition	Breaking down a problem into smaller parts						
iteration	Doing the same thing more than once						
lists	Allows multiple items of data to be held						
selection	Making choices						
sequence	Running instructions in order						
subroutine	A group of instructions that can run when called						
variable	Data being stored by the computer.	Data being stored by the computer.					

Scratches programming blocks are sorted into categories to help you find the right block for the job easily. Each categories blocks do specific jobs.

Motion	These blocks make things move, you can set the position of your sprite and make it move in any direction		
Looks	Use these to automatically change the background or sprite		
Sound	Add noises and sound effects to your program		
Events	Make something happen based on a specific action		
Control	Make decisions and decide how long something happens		
Sensin	Detect whether something has happened - great for controlling games		
Operat	Use logic and maths - keep scores, countdown lives or health		
Variab	Create variables to keep track of important data - for example a persons name, how many lives a player starts with, what level a game starts at		
My Blc	This useful option allows you to create your own blocks called subprograms that you can reuse as many times as you need		

Year 7 Computing: Block based programming (Scratch)

Scratch works using different coloured blocks that fit together to build programs. There are lots of different coloured blocks that do different things, by combining these blocks together we can make programs

Costanes (a) Sounds Costanes (a) Sounds Motion Moti	 	categories	programming blocks are sorted into s to help you find the right block for the job ch categories blocks do specific jobs.
Sound Events Control Control		Motion	
goto x y 0 operators goto ***********************************		Looks	
My Blocks point in direction 90	Sprite Spritet Starse Starge Show Size 100 Direction Eastdrass	Sound	
change x by 10	Image: Contract of the second seco	Events	
Key Words		Control	
abstraction			
algorithm		Sensing	
decomposition			
iteration		Operators	
lists			
selection		Variables	
sequence			
subroutine		My Blocks	
variable			

Design and Technology



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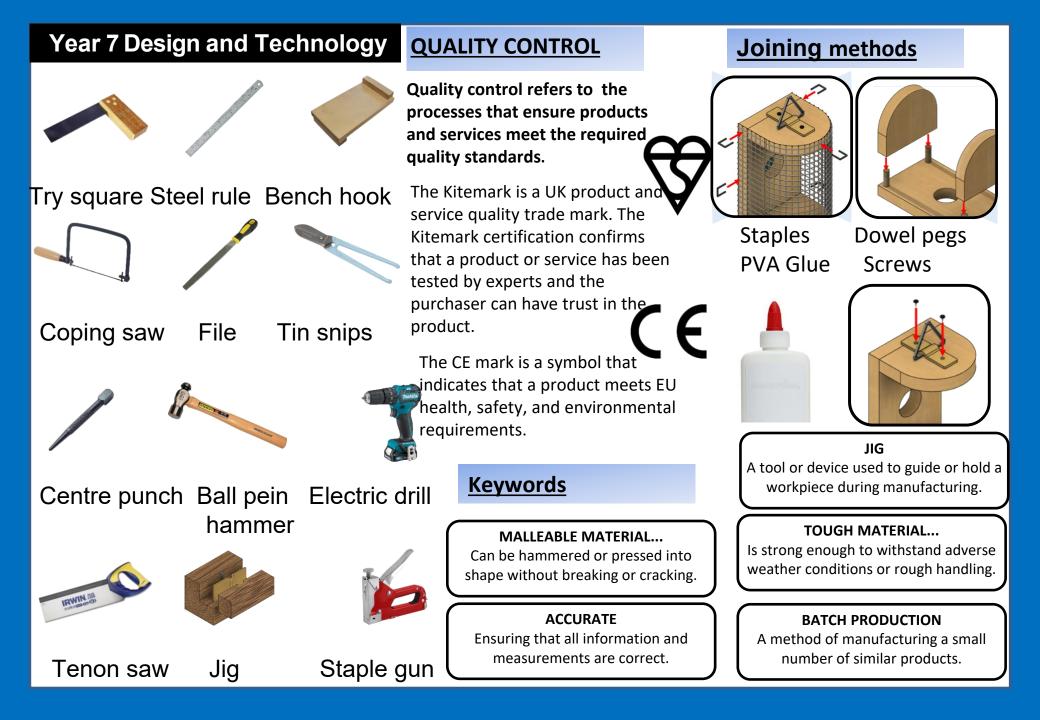
Little Lever School be kind | work hard | take responsibility

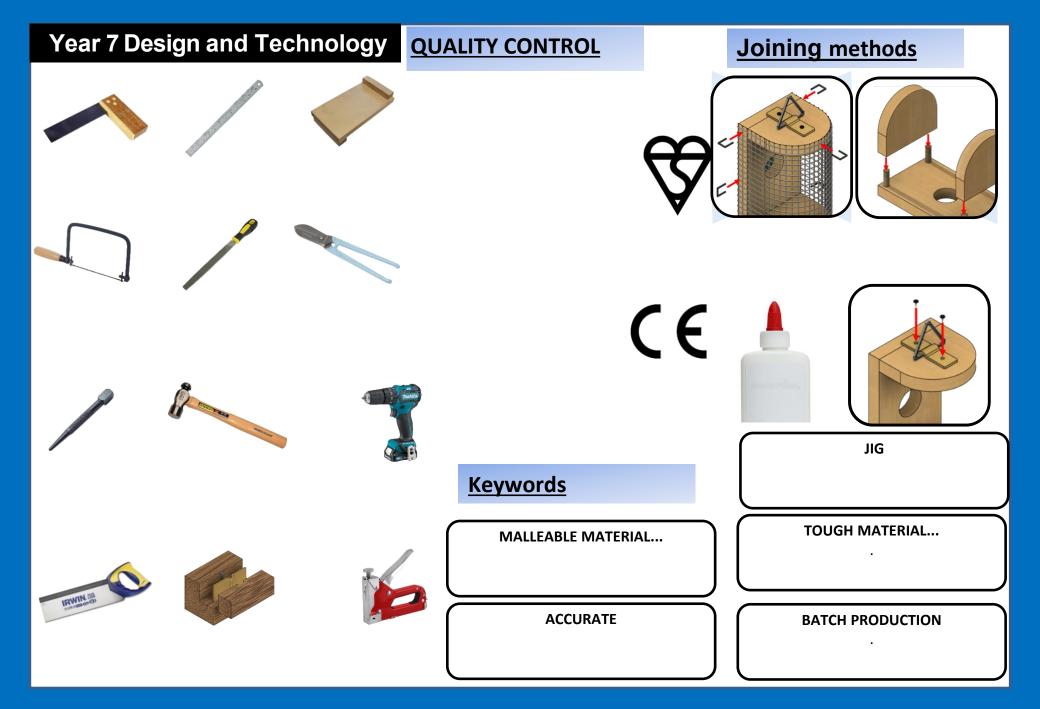
Year 7 Design and Technology

CAD/CAM

	Safety Rules in the Workshop	Design cycle	Using computers to draw and drive machines is called CAD / CAM or Computer Aided Design and Computer Aided Manufacture.			
	1. Always listen carefully to the teacher and follow instructions.	Identify the Development	Advantages of CAD	Advantages of CAM		
	 2. Do not run in the workshop, you could 'bump' into another pupil and cause an injury 3. Know where the emergency stop buttons are positioned in the workshop. 4. Always wear an apron as it will protect your clothes and hold loose clothing such as ties in place. 	Ideas Ideas Final product	 Ideas can be drawn and developed quickly Designs can be viewed from all angles and with a range of materials Some testing and consumer feedback can be done before costly production takes place It becomes easier to design and test a 	 Fast and accurate production Machines can run constantly on repetitive tasks Good for producing on a mass/flow production line 		
	Structure		range of ideas	Less material wastage		
	There are 2 types of structure: Shell e.g. a boat, an egg, a turtle or a car Frame e.g. a spiders web or Blackpool Tower The function of a structure is to do one of the for Supports a load – holding something up.	llowing:	Vectorising an image Doing this to an images changes the way it is drawn so that it is made of lines not pixels. This means the laser cutter can reproduce the image.	There are 5 types of force: Tension (Pulling) Compression (Pushing) Bending (Creates tension & compression) Shear (forces in opposite directions) Torsion (Twist)		
	Span a distance or reach across a gap. Contain or protect something.		Pewter			
	Shape objects, machines & buildings. Structural Failure If a structure is to be successful it must also rem collapse. If a structure collapses this is known as		Pewter is an attractive metal which has been used for the production of household and other items in Britain since Roman times. It is an alloy consisting mostly of tin. It can be melted and cast in the workshop to make different shapes. The metal is poured through a channel called the sprue . When the metal in the channel sets it is also called the sprue and needs to be cut off when finishing.			
	Equipment		Finishing the pewter			
	Three pieces of equipment which help us to mark out straight lines for cutting a piece of timber: Try square Stell ruler Pencil	t straight lines for cutting a piece of something to cut or drill it accurately. Templates help you		v. election files to remove any burrs. her, removing any file marks. he back surface and remove any tarnish chieve a silver shine.		

Year 7 Design and Technology	/	What do CAD/CAM stand for?		
List at least 3 safety rules for using the workshop:	What are the 4 stages of the design cycle?			
1.	1.	List the 4 advantages of CAD	List the 4 advantages of CAM?	
		• -	• -	
2.	2.	• -	• -	
	3.			
3.	4.	• -	• -	
Structure		• -	• -	
Name the 2 types of structure: 1. 2. List the 4 functions of a structure: 1.		Explain why you vectorise an image to use with the laser cutter.	What are the 5 types of force? 1. 2. 3. 4. 5.	
2. 3.		Pewter		
4.		Explain what pewter is and how we shape it?		
What is structural failure?		What is the sprue? List the stages for finishing the pewter		
Equipment				
Describe how you would accurately mark out a piece of timber. List the specific equipment you should use.	What is a jig? What is a template?			





Year 7 Design and Technology

CAD (Computer Aided Design) Using computers to create drawings, 3D models and simulations.

CAM (Computer Aided Manufacture) Using machinery to produce products and components from CAD drawings.

VECTOR IMAGE An image made up of individual objects and lines instead of pixels.

ALLOY

A metal that is produced by combining two or more elements together.

PEWTER

A metal alloy with a low melting point consisting of tin, copper and antimony.

COMPUTER AIDED MANIUFACTURE (CAM)

KEYWORDS

ADVANTAGES	DISADVANTAGES	
Good for producing on a mass/flow	Needs a skilled workforce of	
production line	engineers	
Machines can run constantly on	Downtime required for maintenance	
repetitive tasks		
Fast and accurate production	Computers and machines can fail	
Less material wastage	Expensive to set up	

PEWTER CASTING

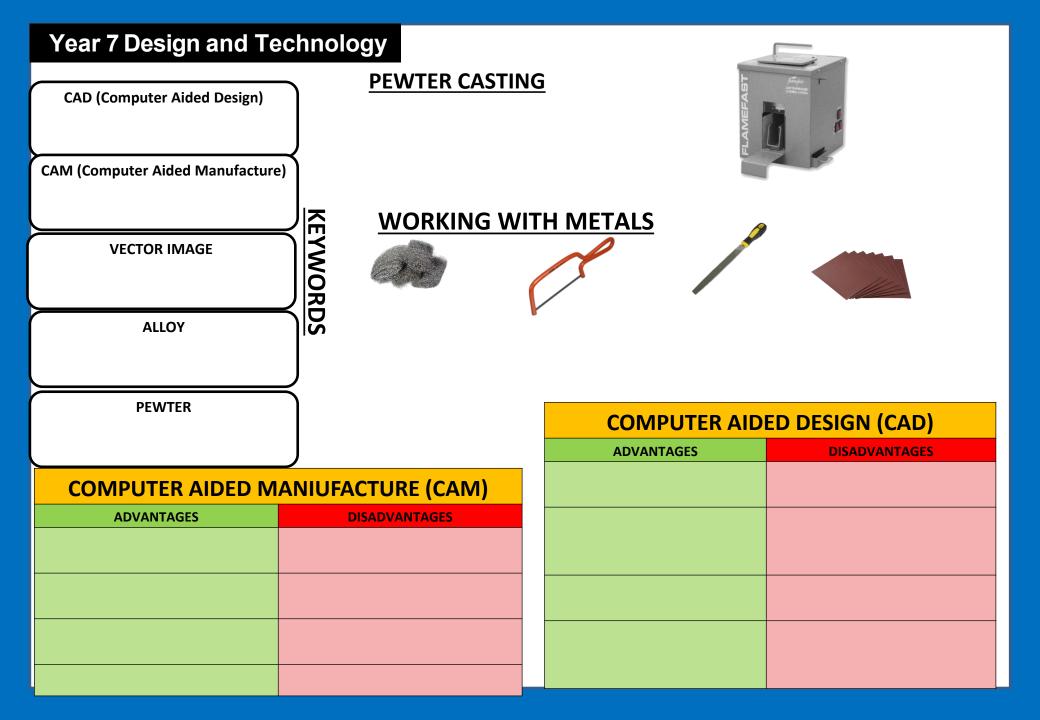
Pewter casting is the process of creating objects by melting pewter. Pewter has a low melting point (temperature which it will turn from a solid into a liquid) and will melt at between 170°c-230°c.



WORKING WITH METALS

COMPUTER AIDED DESIGN (CAD)

ADVANTAGES	DISADVANTAGES
Ideas can be drawn and developed	Difficult to keep up with constantly
quickly	changing and improving technology
Designs can be viewed from all	Needs a skilled workforce
angles and with a range of materials	Needs a skilled workforce
Some testing and consumer	
feedback can be done before costly	Expensive to set up
production	
It becomes easier to design and test	Computers can fail
a range of ideas	Computers can fail







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Key Vocabulary

F	Facial Expressions	Showing how your character feels using your face. Example: gritted teeth, flared nostrils= anger	 Photograph. Ther Be silent Be still Use your body
U	Use of space	Facing the audience and using the space	Exaggeration
		effectively on stage	'Exaggeration' me
		Looking at other actors or the audience to	real life.
E	Eye Contact	make the performance more believable	Pantomime
L	Levels	The different heights on stage to show the authority of characters and make a performance look aesthetically pleasing for the audience.	 Pantomimes a Pantomime's a Pantomime sto Distress, the H female), and t
В	Body Language	Using your body to show your character. Example: hunched posture= elderly character	male). Areas of a Stage:
A	Audience	Being a respectful and supportive audience during all performances	CS-
G	Gestures	Characters actions using their hands	SR

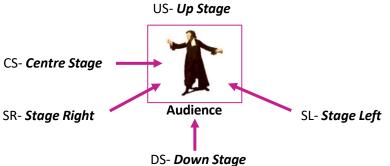
The rules of a still Image (also known as a freeze frame)

A still image is a moment when all of the action on stage freezes- like a photograph. There are 3 rules when performing a still image. These are:

Use your body language creatively

'Exaggeration' means making an action or gesture even bigger than it is in real life.

Pantomimes are mostly performed at Christmas time.
Pantomime's are based on fairy tales and nursery stories.
Pantomime stock characters include: the Evil Villain, the Damsel in Distress, the Hero, The Principle Boy (a male character played by a female), and the Pantomime Dame (a female character played by a male).
Areas of a Stage: The areas of the stage are labelled from the actor's point of view.



K	e y Vocabulary: (Com	plete the missing words below)	A still image is a moment when all of the action on stage freezes- like a photograph. There are 3 rules when performing a still image. These are:		
F		Showing how your character feels using your face. Example: gritted teeth, flared nostrils= anger	Be Be Use your bcreatively		
U		Facing the audience and using the space effectively on stage	What does exaggeration mean?		
E		Looking at other actors or the audience to make the performance more believable	Pantomime Pantomimes are mostly performed attime.		
L		The different heights on stage to show the authority of characters and make a performance look aesthetically pleasing for the audience.	 Pantonime's are based on ftales andstories. Pantomime stockinclude: the Evil Villain, the Damsel in Distress, the Hero, The Principle Boy (a male character played by a female), and the Pantomime(a female character played by a 		
в		Using your body to show your character. Example: hunched posture= elderly character	male). Areas of a Stage: Label the different parts of a stage using the labels on the left.		
A		Being a respectful and supportive audience during all performances	US- Up Stage CS- Centre Stage SR- Stage Right		
G		Characters actions using their hands	DS- <i>Down Stage</i> Audience SL- <i>Stage Left</i>		

The rules of a still Image (also known as a freeze frame)

Role-Play	Role play is a practice in which individuals take on a role as another person and act out or perform as that person or character.			
Improvisation	Actors invent and create the content of performance. There is no script given in improvisation.			
Freeze Frame	Freeze frame is where actors freeze at a particular point to show an important moment or scene.			
Thought Track	This is a dramatic technique where an actor steps out of their scene and tells the audience directly, what they are thinking.			
Scripted Performance	This is a form of Drama where the dialogue is written down along with stage directions.			
Cross Cutting	Cross-cutting is a device to move between two or more scenes staged in the space at the same time.			
Vocal Techniques	The skills and methods actors use to enhance their voice or speech on stage. For example; accent, volume, emphasis, pace, pitch and tone of voice.			
Duologue	A dramatic performance limited to two performers.			
Characterisati on	This is the process of creating a character demonstrating their actions, words and thoughts.			



Oliver Twist Oliver Twist was written by Charles Dickens in the 1830s. The story follows the adventures of Oliver Twist, an **orphan** in 19th-century England, who faces a number of setbacks in his quest to find security and happiness. He lives in a harshly run orphanage until being sold as an apprentice to a cruel undertaker.



The Victorian Era The Victorians were the people who lived under Queen Victoria's reign between 1837 and 1901. It was an era of exciting discoveries, inventions and exploration following the Industrial Revolution. The boom in industry saw lots of people moving to cities to find work. For the first time in world history, more people lived in cities than in the countryside, making city centres very cramped! Poor houses which were overcrowded, smelly and in bad repair.

Victorian Schools

Victorian schools were very grim places! The classrooms were very basic, with very little on the walls. A lot of teaching was repetition, learning the names and dates of kings and queens, or reciting the times table. Teachers were often **strict** and very **scary**! Children soon learnt to do what the teacher asked, otherwise they would get a rap across the knuckles with a ruler, or a clip around the ears.

Most teachers were not qualified by having a college education, they learnt "on the job" in a sort of apprenticeship.

The Victorian teacher would use a **cane** to punish naughty children. The cane was given on the hand or the bottom, or sometimes given across the back of the legs. All sorts of things might be punished: being rude, answering back, speaking out of turn, poor work, in fact anything that displeased the teacher.



. . .

Role-Play	
Improvisation	
Freeze Frame	
Thought Track	
Scripted Performance	
Cross Cutting	
Vocal Techniques	
Duologue	
Characterisati on	

and the

Oliver Twist Oliver Twist was written by Charles Dickens in the _____s. The story follows the adventures of Oliver Twist, an **orphan** in 19th-century _____, who faces a number of setbacks in his quest to find security and happiness. He lives in a _____ run orphanage until being sold as an ______to a cruel undertaker.



The Victorian Era The Victorians were the people who lived under _____ Victoria's between 1837 and 1901. It was an era of exciting inventions and exploration following the Industrial Revolution. The boom in industry saw lots of people moving to cities to find work. For the first time in world , more _____ lived in cities than in the countryside, making city centres very cramped! Poor lived in crowded _____ houses which were overcrowded, smelly and in bad repair.

Victorian Schools

Victorian schools were _____grim places! The classrooms were very _____, with very little on the walls. A lot of teaching was ______, learning the names and dates of kings and ______, or reciting the times table. Teachers were often **strict** and very _____! Children soon learnt to do what the teacher asked, otherwise they would get a _____ across the knuckles with a ruler, or a clip around the _____. Most teachers were not qualified by having a ______ education, they learnt "on the job" in a sort of apprenticeship. The ______ teacher would use a _____ to punish naughty children. The cane was given on the _____ or the bottom, or sometimes given across the back of the legs. All sorts of things might be punished: being _____, answering back, speaking out of turn, poor ______, in fact anything that displeased the teacher.



Ernie's Incredible Illucinations

Ernie's Incredible Illucinations is a one act play which was written especially for schools. The play was written by Alan Ayckbourn in 1969. "Alan Ayckbourn's Ernie's Incredible Illucinations is a bright comedy based on the extraordinary powers of Ernie Fraser, a day-dreamer with a difference. Like all schoolboys Ernie has a vivid imagination, but Ernie's thoughts have a disturbing habit of turning into reality. After a number of embarrassing episodes, Ernie's parents decide to consult a doctor, who is sceptical. Several of Ernie's adventures are acted out for us in flashback, but when Ernie fails to produce a Brass Band on demand, the doctor diagnoses group hallucination and recommends a visit to a specialist. However, 'Ernie's incredible illucinations' aren't to be dismissed quite so lightly, as you will see..."

Stereotypical Characters

Stereotype: A widely held and oversimplified idea of a particular type of person.

<u>Simple meaning:</u> When people are placed into a certain group with expected behaviour and looks.

The characters in Ernie's Incredible Illucinations are stereotypical characters.



Working from a script is different to improvisation. You will need to;

1 Know your lines.

2 Practice the same sections of the script again and again.

3 Make sure you understand the dialogue.

4 Follow the stage directions (these are the actors instructions, normally written in italics).

5 Remember to use your acting skills, you are not just reading out your lines. Think about the physical and vocal skills you will need to use to make your character believable.

Comedy...how to make it effective;

• **Timing** is essential!

- Use your **facial expressions**.
- Bring your energy level UP when performing.
- Have **fun** with it!

Annotating a Script - This

means to write on your script, all of the actions and ideas for your character. You could make notes on; -how they speak the line.

-what actions they do on the line. -how they react to other peoples lines. -whether they use any props or set. -when they may enter or exit the stage.

Ernie's Incredible Illucinations

Ernie's	is a one act play which was	s written especially for scho	ools. The play was written
by	in 1969. "Alan Ayckbourn's Ernie's I	Incredible Illucinations is a	comedy based on
the extraordinary powe	ers of Ernie Fraser, a day-dreamer with a	difference. Like all	Ernie has a vivid
imagination, but Ernie'	s have a disturbing habit of tu	rning into After o	a number of embarrassing 💦 👔
episodes, Ernie's	decide to consult a doctor, who is	Several of Ernie's	are acted out for
us in, but w	hen Ernie fails to produce a Brass	on demand, the doctor a	liagnoses group
hallucination and	a visit to a Howe	ever, 'Ernie's incredible illuci	inations' aren't to be
dismissed quite so	, as you will see…"		



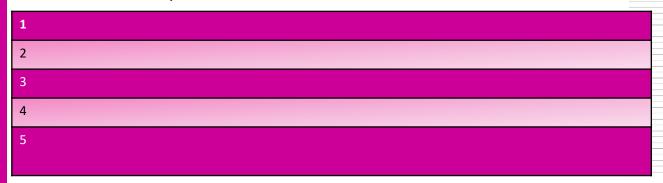
Stereotypical Characters

Stereotype:



Simple meaning:

Working from a script is different to improvisation. You will need to;



Comedy...how to make it effective;

Annotating a Script - This means to write on your script, all of the actions and ideas for your character. You could make notes on; -how they speak the line. -what actions they do on the line. -how they react to other peoples lines. -whether they use any props or set.

-when they may enter or exit the stage.

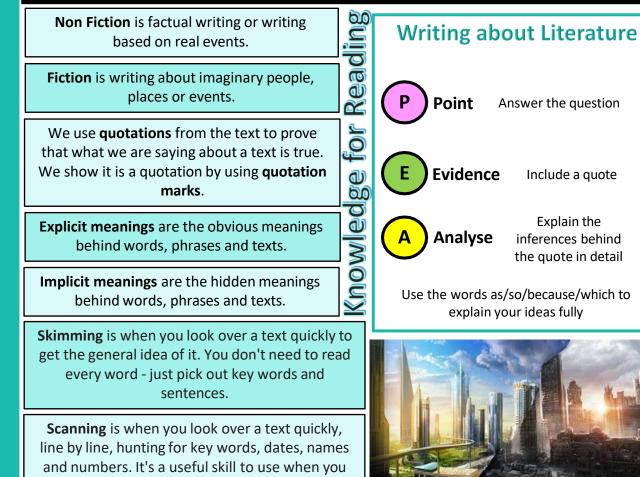
English



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When we are writing a narrative (story) I should use interesting vocabulary and language techniques to describe the events, setting and characters.

00	describe the events, setting and characters					
/ritir	Language Technique	Definition				
for Writi	Metaphor	Say something is something it isn't e.g. the battlefield was a sea of red				
edge	Simile	Compare two things using 'like' or 'as' e.g. she sang like a bird				
Knowl	Personification	Describe an animal or object as having human characteristics e.g. The storm commanded respect				

When we are writing a narrative (story) I should hook my reader's attention with an interesting opening (exposition).

We use a new paragraph when we change the time, place, topic or person we are writing about. (TiP ToP)

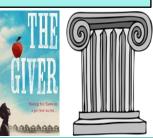
The first line of every paragraph should be a **topic sentence**, which gives a clue about what the paragraph with focus on.

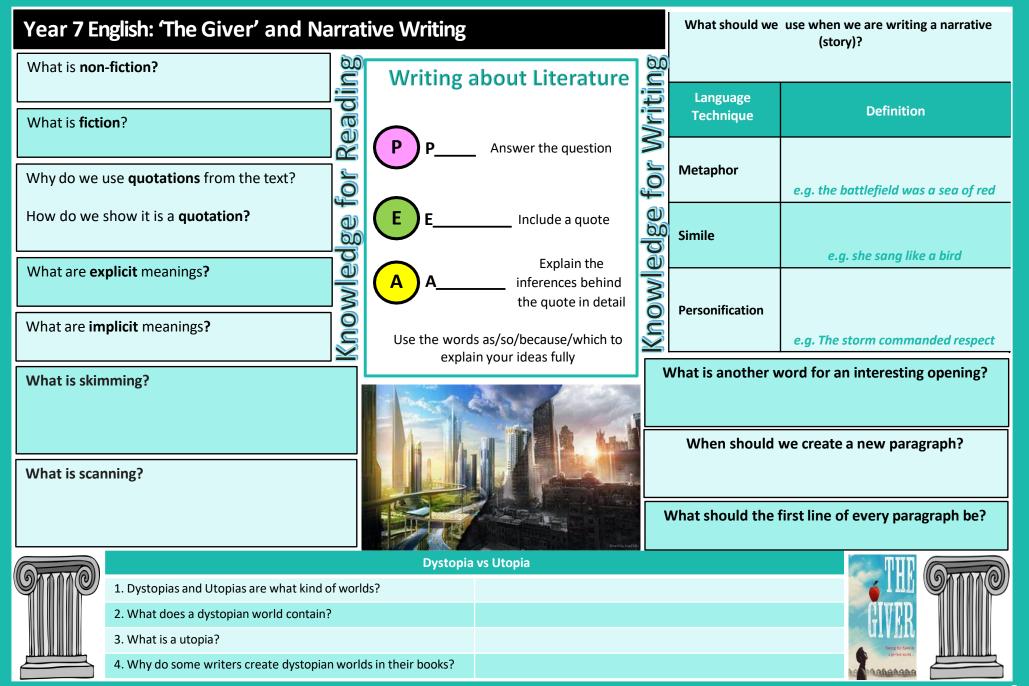


Dystopia vs Utopia

need answers to specific questions.

Dystopias and Utopias are fictional worlds created for novels, plays and poems. In a Dystopia, the world contains suffering and little freedom or justice, where people live in fear. A Utopia is a world full of perfect peace and harmony. Writers have often written dystopian texts to criticise something about the world they live in e.g. '1985' by George Orwell.



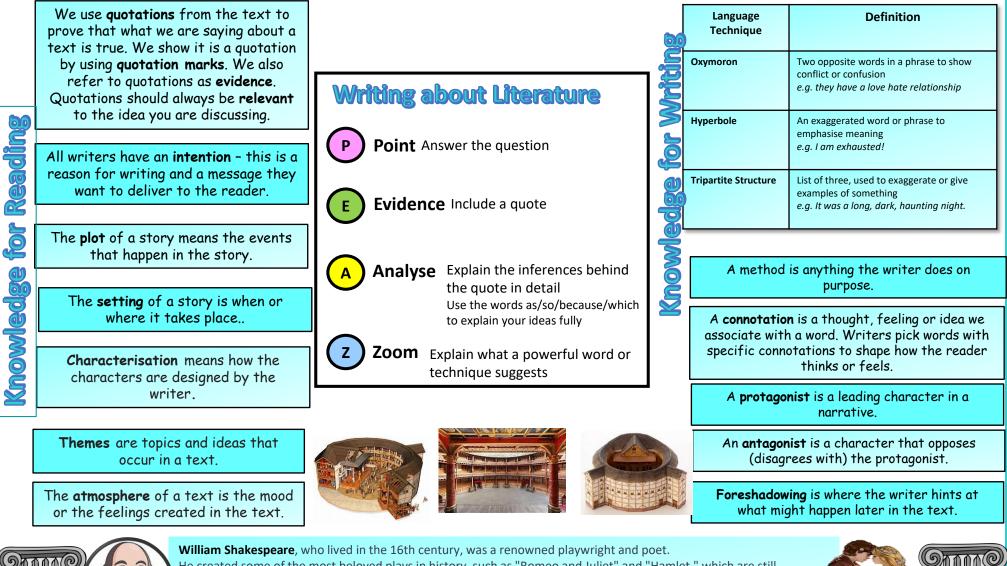


Year / English:								Punctuation
V	Vocabulary Definition					Example		
1. Di	ictatorship	A society where people are scared of their leaders and are punished for doing or saying something the leaders do not agree with.			Stalin's Soviet Union was a dictatorship.			
2. D	emocracy	A society where the peop voting in elections.	le choose their leader thr	ough	Being able to v	ote is a key part of a d	democracy.	17. Capital Letter Used to show the
3. Re	egulations	Rules, guidelines and law	S.		He follows the	regulations.		beginning of a sentence The community
4. Tł	hriving	To grow and develop wel	l.		They were thri	ving after they movea	to high school.	was peaceful.
5. St	ereotypical	An idea of what a certain which isn't necessarily tru		like,	A stereotypical teenager is grumpy and obsessed with their mobile phone.			
6. Re	estricted	Not allowed to move, act or think freely.			The people felt restricted by their country's laws.			
7. Pr	rejudiced	A way of describing an unfair opinion or dislike you have of someone, because of race, gender, religion, disability etc.			His views were unacceptable as they were prejudiced.			Capital Letter Used at the beginning of a proper noun
8. Co	ommunity	A group of people living together and working as a team to look after each other.			The school was another.	s a community that re	ally cared for one	Jonas is the protagonist in The Giver.
9. Se	egregated	When people are separated and divided from each other.			On the farm, t	On the farm, the cows are segregated from the sheep.		
10. F	Protagonist	The main character in a n	ovel, play, film etc.		In the novel 'Tl	he Giver', Jonas is the	protagonist.	
Grammar	11. Nouns A thing, pers place or cond (idea) Table, King Cha London, Ton Dreams, Fear	son, Names and titles for specific things urles, Joe Bloggs, Jonas, Britain, Coca-Cola,	13. Abstract Nouns Do not have a physical form (ideas, emotions, traits) Ambition, Grief, Expectations, Rules	Thin experie you (sight, sm	14. rete Nouns Igs you can ence through ur senses touch, sound, hell, taste) r, Trumpet, Rain.	15. Verbs A doing, action or being word Watching, Thinking, Cleaning, Writing, Planning, Counting, Is, Are, Were, Be.	16. <u>Modal Verbs</u> Come before verbs. They should how likely the verb is to happen. <i>Will, Won't,</i> <i>Could. Should,</i> <i>May, Might.</i>	19. Full Stop Used at the end of the sentence. The novel is set in a futuristic utopian society.

Year / English:				Punctuation					
v	Vocabulary Definition				Example				
1. Di	ctatorship					Stalin's Soviet Union was a dictatorship.			
2. De	emocracy				Being able to v	vote is a key part of a d	democracy.		
3. Re	egulations				He follows the	regulations.		Used to show the	
4. Tł	nriving				They were thri	ving after they movea	to high school.	beginning of a sentence The community was peaceful.	
5. Stereotypical					A stereotypical teenager is grumpy and obsessed with their mobile phone.			NY.	
6. Re	estricted				The people felt restricted by their country's laws.				
7. Pr	ejudiced				His views were unacceptable as they were prejudiced.				
8. Co	ommunity				The school was a community that really cared for one another.				
9. Se	egregated				On the farm, the cows are segregated from the sheep.				
10. F	Protagonist			In the novel 'The Giver', Jonas is the protagonist.					
-	11.		12.	13.		14.	15.	16.	19 Used at the end of the
brammar	A thing, pers place or cond (idea) Table, King Cha	cept urles,	Names and titles for specific things Joe Bloggs, Jonas,	Do not have a physical form (ideas, emotions, traits)	Things you can experience through your senses (sight, touch, sound, smell, taste)		A doing, action or being word Watching, Thinking, Cleaning, Writing,	Come before verbs. They should how likely the verb is to happen. <i>Will, Won't,</i>	sentence. The novel is set in a futuristic utopian society.
U	London, Tom, Britain, Coca-Cola, Ambition, G		Ambition, Grief, Expectations, Rules	Noodles, Trumpet, Rain.		Planning, Counting, Is, Are, Were, Be.	Could. Should.		

 \prec

Year 7 English: 'Romeo and Juliet' and Descriptive Writing



He created some of the most beloved plays in history, such as "Romeo and Juliet" and "Hamlet," which are still performed today.



He helped to pay for The Globe Theatre in London to be built, where his plays were performed. In the 16th Century, women were not allowed to be actors. Female characters (like Juliet) would be performed by men.

Year 7 English: 'Romeo and Juliet' and Descriptive Writing

Why do we use quotations?		Language Technique	Definition
What punctuations do we use for quotations?		Oxymoron	
How else do we refer to quotations?	Writing about Literature		e.g. they have a love hate relationship
What should quotations always be?		Hyperbole	
	P Point	Tripartite Structure	e.g. I am exhausted!
What is meant by the writer's intention?			e.g. It was a long, dark, haunting night.
	E Evidence		·
		What is a method	1?
What is a plot?			
	Analyse	What is a connot	ation?
	Use the wordsto		
What is a setting?	explain your ideas fully	What is a protage	nist?
		····	
What is Characterisation?		What is an antage	nnist?
What are themes?		What is foreshad	owing?
What is an atmosphere?			Ş
what is an atmosphere?			
William Shakespeare, who	ived in the century, was a renowned t beloved plays in history, such as "" and "	and	
Change Control today.	Theatre in London to be built, where his plays were perform		
	were not allowed to be actors. Female characters (like Juliet) we		

Vocabulary	Definition	Example
1. Play	A text that is written to be performed on stage, in a theatre, by actors.	Shakespeare wrote many plays, including 'Romeo and Juliet'.
2. Playwright	A person who writes plays.	Shakespeare is a playwright and poet.
3. Feud	An ongoing disagreement.	The feud between the Capulets and the Montagues was continuous.
4. Conflict	A fight, argument or disagreement.	The streets of Verona were full of conflict.
5. Loyalty	A strong feeling of support for someone or something, where you always stand by them.	Juliet showed more loyalty to Romeo than her father.
6. Tragedy	Can be used to describe a disastrous event. Is also a genre of play.	Shakespeare's 'tragedies' include Hamlet, 'Macbeth' and 'Romeo and Juliet'.
7. Fate	The belief that a person's life is already pre-planned and mapped out by the stars and/or God.	Many believe Romeo and Juliet's meeting was fate.
8. Mutiny	Where people refuse to obey authority, rebelling or rising against it	There was mutiny in the streets of Verona so The Prince declared harsher laws.
9. Deceive	Being dishonest or misleading people on purpose.	Friar Lawrence deceived the Montague and Capulet parents.
10. Impulsive	Acting in the movement, without thinking the consequences of your actions through.	Some argue that Romeo's behaviour is too impulsive.

nar	11. Adjectives	12. Adverbs	13. Pronouns	^{14.} <u>First</u> Person	^{15.} Second Person	^{16.} <u>Third</u> Person
Gramn	Describe nouns Quiet, tense, loving, fierce, young, innocent, passionate, fearful.	Describes verbs (actions) Quickly, loudly, harshly, stupidly, tragically, happily, secretly	Take the place of nouns in a sentence <i>He, she, we, I, it, them,</i> they, you, us	Writing from your own point of view <i>I, me, we, us, my, our</i>	Addressing the reader directly in writing You, your	Discussing other people (not yourself or the reader). He, she, they, him, her, their, his, her



Vo	ocabulary		[Definition		Exam	nple
1. Pl	lay					Shakespeare wrote ma 'Romeo and Juliet'.	any plays, including
2. Pl	laywright					Shakespeare is a playv	wright and poet.
3. Fe	eud					The feud between the Montagues was contir	
4. Co	onflict	A figh	t, argument or disagro	eement.			
5. Lo	oyalty					Juliet showed more loy her father.	valty to Romeo than
6. Tr	ragedy		e used to describe a d a genre of play.	lisastrous event.			
7. Fa	ate					Many believe Romeo and Juliet's meeting was fate.	
8. M	lutiny					There was mutiny in th so The Prince declared	
9. D	eceive					Friar Lawrence deceive and Capulet parents.	ed the Montague
10.	Impulsive		g in the movement, w actions through.	ithout thinking the co	onsequences of		
mmar	11. Adject	<u>ives</u>	12. Adverbs	^{13.} Pronouns	^{14.} <u>First</u> <u>Person</u>	15. <u>Second</u> <u>Person</u>	16. <u>Third</u> <u>Person</u>
Grai	Quiet, tense, fierce, young, i passionate, j	nnocent,	Quickly, loudly, harshly, stupidly, tragically, happily, secretly	He, she, we, I, it, them, they, you, us	I, me, we, us, my, ou	ır You, your	(not yourself or the reader). He, she, they, him, her, their, his, her

Year 7 English: 'Animal Farm' and Transactional Writing

When you **compare** texts, you explain how they are similar and/or different. Writing about Literature When you compare texts, you should use connectives to introduce the similar or different idea. Point Answer the question Connectives for similar ideassimilarly, likewise, also Connectives for different ideas-In contrast, on the other hand, however Evidence Include a quote You should also use quotations from each texts to prove your ideas are accurate. Analyse Explain the inferences behind the quote in detail A writer always chooses the plot, characterisation and setting in a text for a **Zoom** Explain what a powerful word reason. or technique suggests Plot - What happens in the narrative Characterisation – How characters are designed **Effect** Explain what the writer wants Setting – Where the story takes place us to feel or understand Animal Farm is an **allegory**. This is a text with a Link to Explain how these ideas link hidden message. to the real world Context

Newspaper articles include:

- a) A headline A short, catchy title that summarises the story in a few words
- b) Images and captions Pictures with a summary of what the picture is of
- c) 5 Ws The first paragraphs will contain the most important information: who, what, where, when, why.
- d) Clear paragraphs each paragraph should give more detail on one aspect of the news story.
- e) Direct speech Quotes from witnesses and experts
- f) Past tense used to describe what has already happened
- g) Third person explaining what happened to other people, using their names and pronouns he/she/they

Democracy

- means 'ruled by the people'
- the people choose their leaders by voting

Dictatorship

leaders have unlimited power

Nriting

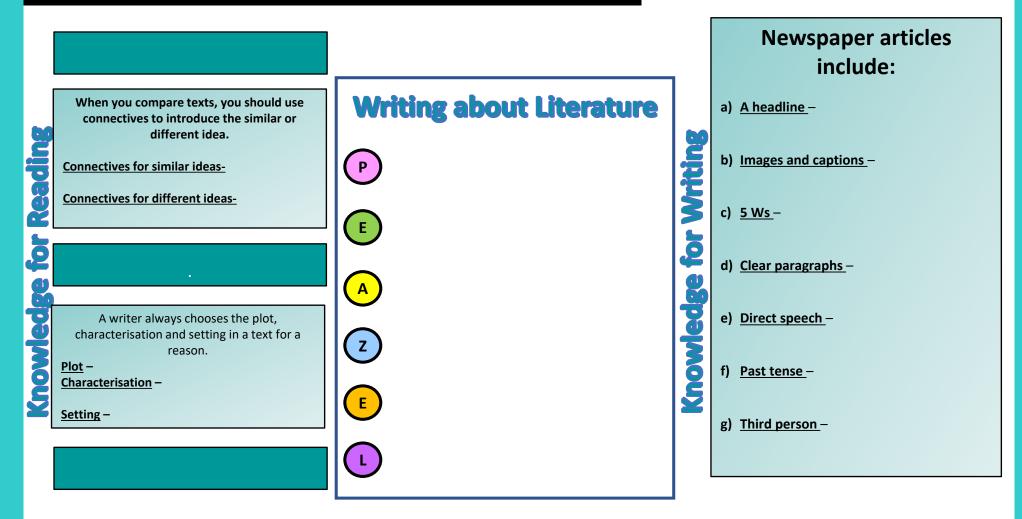
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Knowl

they take power by force or misleading people



Year 7 English: 'Animal Farm' and Transactional Writing





Dictatorship





Voca	abulary		Definition			Exam	ple
1. Pr	opaganda		n that is misleading to t le think or do	ry and control		pigs use propaganda i he farm	to control the animals
2. Dec	eption	The act or someone	lying, misleading or hidi	ng the truth to	Nap	poleon gains power the	ough deception
3. Corr	rupt	Acting dish for yoursel	ionestly for money or to f	gain something		farm is run by the pigs rustworthy	s who are corrupt and
4. Inec	luality	y Unfairness between people, where some people have more advantages and opportunities than others		The	re is a clear inequality	between the animals.	
5. Нур	ocrite		or character that does not behave in the they expect others to behave		· ·	Napoleon is a hypocrite as he breaks his own rules.	
6. Tyra	inny		harsh leadership where hk, speak and act for the	•	The	farm suffers from Jone	es' tyranny
7. Mar	nipulate		rson controls or influen pressure or trickery	ces another	Sno	Snowball tells lies to manipulate the animals	
8. Autl	hority	The power the rules	The power to give orders, take control and enforce the rules		-	ore he dies, Old Major e a speech about the fa	-
9. Expl	oitation		ne action of taking advantage of your power to se people and benefit from their work		The	exploitation of Boxer i	is tragic.
10. An	them	An uplifting cause	g song linked with a par	ticular group or		asts of England' becom n to raise the spirits of	· · · · · · · · · · · · · · · · · · ·
Grammar	The nam things: people id	Nouns ne we give objects, e, places, eas ar, Mr Jones	12. <u>Abstract Nouns</u> Names of things we cannot see, touch, hear, feel or taste <i>Hope, love, aspirations</i>	 13. <u>Concrete Nou</u> Names of things w can see, touch, hea feel or taste Book, bacon, fork, scree 	ve ar,	 14. <u>Proper Nouns</u> Names of specific people, places, texts, months, days etc. <i>Monday, Orwell, 'Animal</i> <i>Farm;</i> 	15. <u>Pronouns</u> Words that we use in place of a noun so that we don't repeat nouns in our speech/writing <u>He, she, they, I, you, we</u>

Vo	cabulary		Definition		Exam	ple	
1. P	ropaganda						Punctuation 3
2. De	ception						
3. Co	rrupt						17. ? Question Mark
4. Ine	equality						
5. Hy	pocrite						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
6. Tyı	ranny						18. Exclamation Mark
7. Ma	anipulate] Ç _)
8. Au	thority						
9. Exp	oloitation						19." " Speech Marks
10. A	nthem						
Grammar	11.	<u>Nouns</u>	12. <u>Abstract Nouns</u>	13. <u>Concrete Noun</u>	<u>S</u> 14. <u>Proper Nouns</u>	15. <u>Pronouns</u>	
Gran			Hope, love, aspirations		Monday, Orwell, 'Animal Farm;		

English: Spelling	Challenge- Most co	ommonly misspelled w	vords.	elling
1. Acceptable	11. Believe	21. Disappear	31. Foreign	41. Ignorance
2. Accidentally	12. Calendar	22. Disappoint	32. Fourth	42. Immediate
3. Accommodate	13. Category	23. Drought	33. Gauge	43. Independent
4. Acquire	14. Cemetery	24. Embarrass	34. Generally	44. Indispensable
5. Acquit	15. Changeable	25. Equipment	35. Grammar	45. Intelligence
6. A lot	16. Collectible	26. Exceed	36. Grateful	46. Interrupt
7. Amateur	17. Committed	27. Excite	37. Guarantee	47. Judgement
8. Apparent	18. Conscience	28. Existence	38. Harass	48. Knowledge
9. Argument	19. Conscientious	29. Experience	39. Height	49. Leisure
10. Because	20.Definitely	30. February	40. Hierarchy	50. Library 35

English: Spelling Challenge- Most commonly misspelled words.

SP	e]]	ing	

1.	11.	21.	31.	41.
2.	12.	22.	32.	42.
3.	13.	23.	33.	43.
4.	14.	24.	34.	44.
5.	15.	25.	35.	45.
6.	16.	26.	36.	46.
7.	17.	27.	37.	47.
8.	18.	28.	38.	48.
9.	19.	29.	39.	49.
10.	20.	30.	40.	50. 36

English: Spelling	Challenge- Most co	ommonly misspelled w	vords.	elling
51. Lightning	61. Occurrence	71. Questionnaire	81. Rhythm	91. Umbrella
52. Maintenance	62. Official	72. Receive	72. Receive82. Schedule9	
53. Manoeuvre	63. Parallel	73. Recommend	83. Scissors	93. Vicious
54. Millennium	64. Parliament	74. Referred	84. Sensible	94. Whether
55. Miniature	65. Particle	75. Reference	85. Separate	95. Weigh
56. Minute	66. Pigeon	76. Relevant	86. Special	96. Weird
57. Mischievous	67. Possession	77. Religious	87. Success	97. Whistle
58. Noticeable	68. Preferable	78. Restaurant	88. Tomorrow	98. Wonderful
59. Occasion	69. Principle	79. Ridiculous	89. Twelfth	99. Yoghurt
60. Occur	70. Privilege	80. Rhyme	90. Tyranny	100. Youth 37

English: Spelling Challenge- Most commonly misspelled words.

SPelling ()

51.	61.	71.	81.	91.
52.	62.	72.	82.	92.
53.	63.	73.	83.	93.
54.	64.	74.	84.	94.
55.	65.	75.	85.	95.
56.	66.	76.	86.	96.
57.	67.	77.	87.	97.
58.	68.	78.	88.	98.
59.	69.	79.	89.	99.
60.	70.	80.	90.	100. 38

Geography

Helping every person achieve things they never thought they could.



Where in the world?

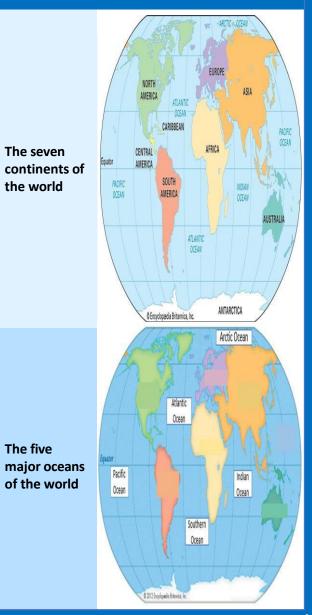
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The five

14

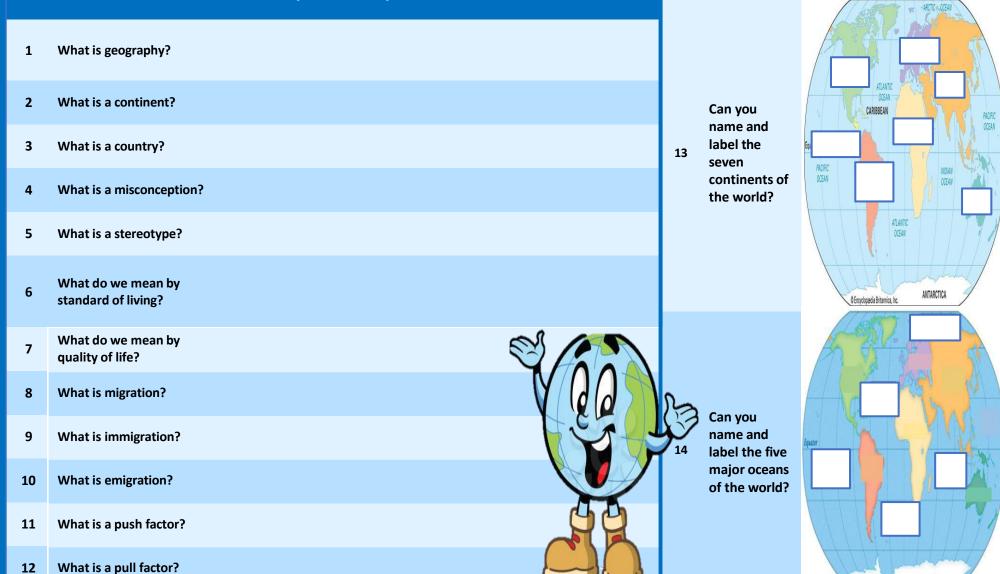
Key Vocabulary

1	Geography	Geography is the study of the Earth's landscapes, peoples, places, and environments. It is, quite simply, about the world in which we live.
2	Continent	A major expanse of land.
3	Country	A nation with its own government that occupies a particular territory.
4	Misconception	A view or opinion that is based on something that is factually wrong.
5	Stereotype	A stereotype is an oversimplified view about a group or place.
6	Standard of living	Refers to the level of wealth, comfort, material goods and necessities available to a certain class or geographic area
7	Quality of life	A measure of happiness
8	Migration	The movement of people from one place to another.
9	Immigration	The movement of people into an area.
10	Emigration	The movement of people out of an area.
11	Push Factor	Something that pushes you away from an area.
12	Pull Factor	Something that pulls you towards an area.



Where in the world?

Key Vocabulary



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Africa

15	Is Africa a country?	Africa is a continent. There are 54 countries, the newest is South Sudan created in 2011.
16	ls everyone in Africa poor?	42.3% of Africans live in poverty In South Africa 1% of the population own 70% of the wealth
17	Does everyone in Africa have a disease?	No, however more people here have a disease compared to Europe. 90% of malaria death occur in Africa.
18	Is Africa all desert?	The Sahara Desert makes up 25% of Africa however, you also find other biomes such as rainforests and savannah.
19	Does everyone in Africa speak African?	There is an estimated 1.500-2000 different languages in Africa. Most countries speak more than one official language.
20	Is there any water in Africa?	25% of Africa suffers water shortages with 13% suffering droughts (very little/no water)
21	Does everyone in Africa live in slums?	71% of people in Africa live in slums. Slums are poor quality housing made of anything people can find.
22	Is Africa a vibrant place?	Africa has a range of customs and cultures including a range of foods, celebrations and ways of living.
23	Do people in Africa have technology?	60 million people in Africa have a mobile phone. 13.5% have access to the internet.



Wealth vs Health: inequality

What signs of wealth and poverty can you see in this picture?

24

Wealth: Clean, strong building materials, balcony pools, outdoor sports facilities.

Poverty: Poor quality housing, poor building materials, dirt tracks for roads.

3

Migration

25	Name four push factors:	Poverty, war, poor education, natural hazards
26	Name four pull factors:	Good healthcare, family ties, job opportunities, better education.

Africa

15	Is Africa a country?
16	Is everyone in Africa poor?
17	Does everyone in Africa have a disease?
18	Is Africa all desert?
19	Does everyone in Africa speak African?
20	Is there any water in Africa?
21	Does everyone in Africa live in slums?
22	Is Africa a vibrant place?
23	Do people in Africa have technology?



Wealth vs Health: inequality

What signs of **wealth** and **poverty** can you see in this picture?

Wealth:



24

26

Poverty:

Migration

25 Name four push factors:

> Name four pull factors:

Examples of cold environments

Canada

Greenland

Key Vocabulary

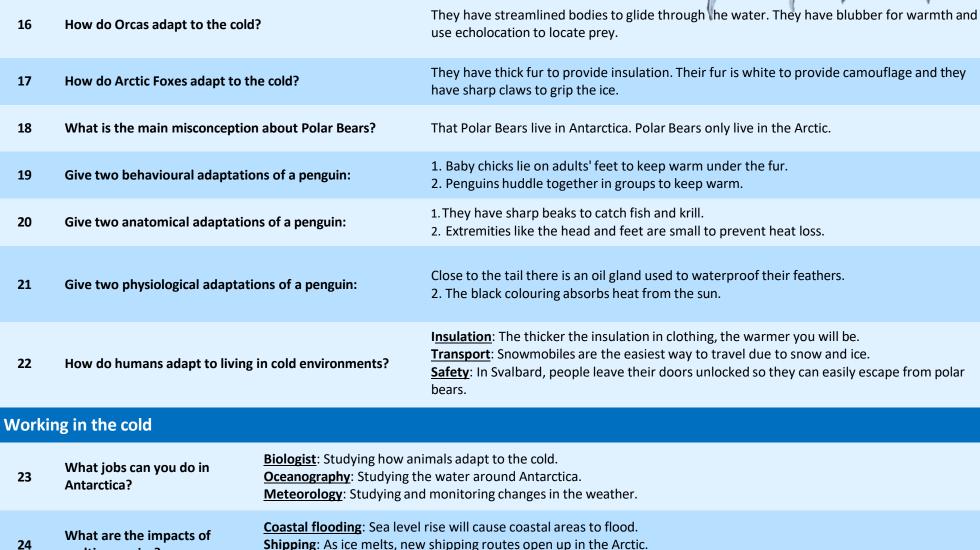
1	Latitude	The distance north and south of the equator.	12	Label the continent/ country shown on the map	Centa evenued polar tundra alpine environment Greenland ice sheet	
2	Altitude	Height (usually above sea level)		which are cold environments.	Chir	
3	Climate	The weather conditions in an area over a long period.			Antarctic ice sheet Antartxa	
4	Precipitation	Moisture falling from the sky (rain, hail, sleet and snow)	13	What makes	Canada lies in the Arctic North. Temperatures drop	
5	Adaptation	Adaptation How plants and animals change their bodies to survive in different locations.		Canada a cold environment?	below -20°C. This is a tundra environment.	
6	Behavioural Adaptation	How animals behave in order to survive, for example huddling together.	14	What makes Russia a cold	1/10 of Russia is tundra. Temperatures drop to -	
7	Anatomical Adaptation	How an animals physical structure changes to survive, for example having webbed feet to swim.		environment?	40°C in Siberia with summer highs of only 10°C.	
8	Physiological Adaptation	How the inside of an animal's body changes to survive, for example having a blubber layer.			Nepal is an alpine	
9	Ice Cap	An ice cap is a thick layer of snow and ice covering less than 50,000 square kilometres.		What makes	environment. The Himalayas are the highest	
10	Treaty	A formally concluded agreement between states.	15	Nepal a cold environment?	mountains in the world. Mt Everest is 8849m above sea level and temperatures reach -26°C at the summit.	
11	Cold Environments	Cold environments include the polar and tundra <u>biomes</u> . They are the coldest environments on Earth.				

Examples of cold environments

Key Vocabulary

1 2 3	What is latitude? What is altitude? What is climate?	12	Label the continent/ country shown on the map which are cold environments.	Greenland Greenland jos sheet Antarctic ice sheet Antarctic ice sheet Antarctic ice sheet Antarctic ice sheet Antarctic ice sheet
4	What is precipitation?		What makes	
5	What is adaptation?	13	Canada a cold environment?	
6	What do we mean by behavioural adaptation?	14	What makes Russia a cold	
7	What do we mean by anatomical adaptation?		environment?	
8	What do we mean by physiological adaptation?			
9	What is an ice cap?	15	What makes Nepal a cold	
10	What is a treaty?	15	environment?	
11	What are cold environments?			

Living in the cold



24 melting sea ice?

Wildlife: Where there is less sea ice, animals such as polar bears and arctic foxes who rely on the ice may perish.

Living in the cold

- 16 How do Orcas adapt to the cold?
- 17 How do Arctic Foxes adapt to the cold?
- 18 What is the main misconception about Polar Bears?
- **19** Give two behavioural adaptations of a penguin:
- 20 Give two anatomical adaptations of a penguin:
- 21 Give two physiological adaptations of a penguin:

22 How do humans adapt to living in cold environments?

Working in the cold

23 What jobs can you do in Antarctica?



Year 7 Geography: Water

Key Vocabulary			The water cycle:			_	Water security:			
1	Condensation	As moist air rises, it cools. Water vapor changes back into liquid water droplets. This produces clouds.	13	Label the water cycle	Condensation Precipitation Evaporation Surface run-off			Why does Ethiopia have water	In Ethiopia Less than half of the people in the country have access to clean, potable water. What many people do is store water in containers. But over	
2	Evaporation	The sun heats the surface of the Earth. Water changes from a liquid into water vapor.	13	13	Transpiration Groundwatter stor		18	scarcity?	water in containers. But over time, those containers become contaminated. Many of the health problems and deaths in this country are caused by	
3	Precipitation	Moisture falling from the sky (e.g. rain, snow, hail)	Wh	oro is tho	water	┛┠		What	drinking contaminated water. . Haiti. This country has had	
4	Surface run-off	Water flowing across the surface of the ground.		Where does our	from lokes, rivers and reconveirs	1	19	causes Haiti to have little clean	water scarcity issues for years. However, the 2021 earthquake made the situation worse. What plumbing infrastructure the country had before the quake was mostly destroyed.	
5	Transpiration	Evaporation of water from the surface of plants	14	water come from in the UK?	reservoir in Cumbria The remaining water comes from underground sources that are			water?		
6	Water Vapour	When water turns from a liquid to a gas			known as aquifers.		20	Why is South America water	Large areas of South America are water secure because they are close to a large rainforest.	
7	Latitude	Invisible lines around the globe which measure distance from the	Wat	Vater use and extraction:		L		secure?		
8	Population	equator The number of people in an area	15	How is water used in	Farming, including cultivation of the soil for the growing of crops and the rearing of animals to	21	Wat	t er mana Name four	gement: Have showers instead of 	
9	Water deficit	Where the demand for water is greater than the supply		agriculture?	provide food, wool, and other products.			ways you can save water	 baths Charge more for water so people use it in a sustainable 	
10	Water surplus	Where there is more water available than what is needed	16	How is water used by industry?	The processing of raw materials and manufacture of goods in factories.		21		way Install water meters in all homes Water butts for using grey water in the garden 	
11	Water availability	How much water is available		How is water used	Use of groundwater by an individual or a household to	L			Fix leaking water pipes	
12	Water insecurity	The lack of access to fresh water	17	by domestic households ?	support domestic activity. Such use may include water for drinking, washing, or cooking purposes.					

Key Vocabulary			The water cycle:			_ N	Water security:		
1 2	Condensation Evaporation		13	Label the water cycle	Condensation Precipitation Warm at rices Warm at rices Transpiration Unifitration	18	Why does Ethiopia have		
3	Precipitation		Wh	ere is the	water	╞	What causes		
4	Surface run-off			Where does our		19	Haiti to have little clean water?		
5	Transpiration		14	water come from in the UK?		20	Why is		
6	Water Vapour						South America water		
7	Latitude		Wate	Vater use and extraction:			secure?		
8	Population		15	How is water used in		W	ater mana	gement:	
9	Water deficit			agriculture? How is			ways you can save water		
10	Water surplus		16	water used by industry?		21			
11	Water availability			How is water used					
12	Water insecurity		17	by domestic households ?					

Year 7 Geography: Population

		opulation	1			Ρορι	lation contr	ol:	
1 2	Population Population density	Cabulary The amount of inhabitants of a particular place How many people are in a particular area e.g. per square mile	Popu 13	Pyramid 1 – rapidly expanding Pyramid 2 – Expanding Pyramid 3 – Stationary Pyramid 4 - Contracting	ds: 1 2 3 4	18	What are birt control programmes	the birth rate.	
3	Life expectancy Natural increase	The average age people live till When there are more births than deaths	Yout	Name 3 advantages of a youthful	 There are more taxes paid as there are more citizens working There are lots of workers for the 		What are immigration laws?	Immigration laws aim to control the number of people moving into a country.	
5	Natural decrease	When there are more deaths than births	14	population	 future Lots of young people could join the military creating a strong armed forces 	19		Governments can limit the number of people that are allowed to immigrate.	
6	Working population	The number of people at working age		Name 3 disadvantages of a youthful population	 Young children need healthcare e.g vaccination. These can be expensive to provide There may be a lack of housing 			They can also be selective about who they let in.	
7	Overpopulation	Where there are too many people in an area	15		 Providing schools and teachers are expensive 	20	What is the China one child policy??	Established in 1979, it meant that each couple was only allowed one child.	
8	Population control	Systems to limit the number of people in an area				What'	s next:		
9	Birth rate	The number of babies born per 1000 population per year	Ove	rpopulation: Can the work achieve zero		21	Name two positives of population growth in	 There may be a larger number of the population who are educated There will be a large working 	
10	Death rate	The number of deaths per 1000 population per year	16	hunger by	people affected by hunger will surpass 840 million by 2030, 9.8% of		Africa?	population. This will bring benefits to the economy.	
11	Migration	The movement of someone from one place to another.		How many	the population		Name two negatives of population growth in	 Population is growing faster than jobs are created More people means more greenhouse gas emissions 	
12	Youthful population	A population with a higher percentage of young people.	17	17 people in the world go hungry?		22	growth in Africa	 greenhouse gas emissions that contribute to climate change Waste disposal may be an issue, leading to dirty cities 	

Year 7 Geography: Population

					P	Population control:			
	Key Voo	cabulary	Population pyramids:					What are bir control	۱
1 2	Population Population density		13	Pyramid 1 – rapidly expanding Pyramid 2 – Expanding Pyramid 3 – Stationary Pyramid 4 - Contracting	2 Xk Fraz 1 2 3 4		18	programmes	?
3	Life expectancy		Youth	Youthful population:			What are immigration laws?		
4	Natural increase		14	Name 3 advantages of a youthful population			19		
5	Natural decrease								
6	Working population			Name 3 disadvantages of a youthful population				What is the China one	
7	Overpopulation		15				20	child policy?	,
8	Population control					W	nat's	s next:	
9	Birth rate		Over	Can the wor		2		Name two positives of population growth in	
10	Death rate		16	hunger by 2030?				Africa?	
11	Migration		_	How many				Name two negatives of population growth in	
12	Youthful population		17	people in th world go hungry?		2		Africa	





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Year	7 Hist	tory:	200 AD
Торіс	Ques	stion	Answer
	1	Which word describes the arrangement of dates, events, etc. in the order that they occurred?	Chronology
logy	2	What century would 1066 be in?	11 th Century
Chronology	3	What does BOTH BC and AD stand for?	Before Christ and Anno Domini
	4	Which word means one thousand years?	Millennium
	5	The years 1-99AD make up which Century?	1 ST Century
	6	Which concept is the relationship between events and processes, where one causes another?	Cause and consequence
cal	7	Which concept is how some things change and others stay he same over a period of years?	Change and Continuity
Historical Concepts	8	Which concept is the degree to which people, societies and events share things in common or are different?	Similarity and Difference
10	9	Which word relates to how important or impactful an event was?	Significance
ctives	10	What do sources do?	Tell us something about the past
Perspectives	11	Which type of source normally made at the time of an event and by someone who was there to see, hear or experience it?	Primary source
Historical	12	Which type of source is "second hand" information that has been interpreted, reworded or analysed by someone who isn't a witness	Secondary source
His	13	What is a persons own explanation based upon evidence?	An interpretation

Year 7	7 Hist	tory:
Торіс	Que	stion
	1	Which word describes the arrangement of dates, events, etc. in the order that they occurred?
ology	2	What century would 1066 be in?
Chronology	3	What does BOTH BC and AD stand for?
0	4	Which word means one thousand years?
	5	The years 1-99AD make up which Century?
	6	Which concept is the relationship between events and processes, where one causes another?
ts ts	7	Which concept is how some things change and others stay he same over a period of years?
Historical Concepts	8	Which concept is the degree to which people, societies and events share things in common or are different?
ΞÖ	9	Which word relates to how important or impactful an event was?
	10	What do sources do?
l ives	11	Which type of source normally made at the time of an event and by someone who was there to see, hear or experience it?
Historical Perspectiv	12	Which type of source is "second hand" information that has been interpreted, reworded or analysed by someone who isn't a witness
His Pe	13	What is a persons own explanation based upon evidence?

Year 7 History:	Торіс	Question		Answer
	99		Who ruled England before the arrival of Anglo-Saxons?	The Romans
	England before 1066	15	How was England divided?	Earldoms
	d bef	16	Who was the most powerful earl in England?	Harold Godwinson
	ıglan	17	What was the main religion in Anglo-Saxon England?	Christianity
	Ē	18	Which group invaded during the control of the Anglo- Saxons?	The Vikings
	Contenders to the throne	19	Which English king died in January, 1066?	Edward the Confessor
		20	What were the king's advisors called?	The Witan
A Completion		21	Where was Harald Hardrada from?	Norway
Contraction of the second seco	S	22	What was William's title?	Duke of Normandy
	Historical Perspectives	23	Where had Harold beaten Hardrada's army in battle?	Stamford Bridge
		24	Where did Duke William's army land in England?	Pevensey
		25	What were Norman knights on horseback called?	Cavalry
ð	His Pei	26	When was the Battle of Hastings?	14 th October 1066

Year 7 History:	Торіс	Question		Answer
	66		Who ruled England before the arrival of Anglo-Saxons?	
(F)	England before 1066	15	How was England divided?	
	d bef	16	Who was the most powerful earl in England?	
	ıglan	17	What was the main religion in Anglo-Saxon England?	
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		24	Where did Duke William's army land in England?	
	Historical Perspectives	25	What were Norman knights on horseback called?	
E	His Per	26	When was the Battle of Hastings?	

Year	7 His	tory:	
Торіс	Question		Answer
_	27	What was the name of the survey William had done of the land?	Domesday Book
trol	28	What does hierarchy mean?	Ranking order
Norman control	29	Who is at the bottom of the feudal system?	Peasant
Norm	30	What was the name of the first castle William built?	Motte and Bailey
	31	Name two weaknesses of motte and bailey castles	They could be burnt, the would rot, the required rebuilding, easily attacked by battering ram.
	32	Where did most rebellions happen?	Northern England
deal	33	What does it mean to harry?	To attack a place lots of times and very aggressively
d William deal with rebellions?	34	Why did the Northern Earls rebel against William?	Earls Edwin and Morcar were replaced with Normans
	35	What were SHORT TERM effects of the Harrying of the North?	Most of the north became wasteland, people turned to cannibalism, there were no more rebellions.
How di	36	What were LONG TERM effects of the Harrying of the North?	Impact on the population, took the North 30 years to recover

Year	7 His	tory:	
Торіс	Que	estion	Answer
	27	What was the name of the survey William had done of the land?	
trol	28	What does hierarchy mean?	
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d William deal with rebellions?	34	Why did the Northern Earls rebel against William?	
v did Wi with rebe	35	What were SHORT TERM effects of the Harrying of the North?	
How di	36	What were LONG TERM effects of the Harrying of the North?	



King John

King of England 1199- 1216 Dad- Henry II Taking over England after it has been engaged in a series of **crusades**



Crusades definition: A series of medieval military expeditions made by Europeans to the Holy Land in the 11th, 12th, and 13th centuries.

How did King John upset the barons?

The barons began to fall out with the King. Some didn't like him being **excommunicated**; others disliked him losing lands in France. John made things worse, to pay for his wars he made them pay heavy fines and taxes. He sent some barons abroad and insulted others.

Terms of the Magna Carta



The Church had the final say who was appointed to Church positions of power. The King was not allowed to demand more and more money from his nobility.

Everyone has the right to a fair trial.

Magna Carta is Latin for 'great charter'

In 1215 the Magna Carta set out the laws which the king and everyone else had to follow for the first time. This still applies to current day!



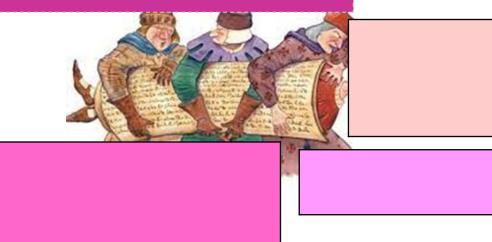
King John



Crusades definition:

How did King John upset the barons? The barons began to fall out with the King. Some didn't _____ him being ______; others disliked him losing lands in _____. John made things worse, to pay for his _____ he made them pay heavy _____ and taxes. He sent some barons abroad and _____ others.

Terms of the Magna Carta



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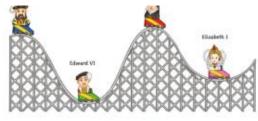
Magna Carta is Latin for '_____

Year 7 History: Changes to religion under the Tudors

1) Why is the Tudor dynasty referred to as a 'religious rollercoaster'?

The official religion of the country changed between Protestant and Catholic so many times over this period!

<u>The Tudor religious</u> <u>rollercoaster</u>



Protestant

2) Edward VI

Edward was brought up Protestant and became king when Henry died in 1547. He believed in a strict form of Protestantism, so all priests had to wear plain clothes, pictures of saints were destroyed, and a new prayer book was written in English



3) Lady Jane Grey...Queen for9 days

Edward named his protestant cousin as heir. Mary was angry when she discovered she had been overlooked for the throne, she marched down to London, imprisoned Lady Jane and executed her!

4) Mary I

Mary was a strict Catholic and because of this, married the then Catholic prince of Spain, Phillip In 1554, the country was formally united with the Catholic church and the Pope was declared 'Head of the Church' again.



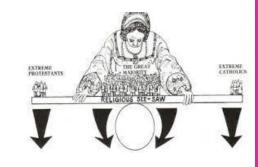
5) How did Mary treat protestants?

Between 1555- 1558, around 300 Protestants were burned to death for refusing to accept Catholic beliefs! BUT Nearly all evidence on this comes from one source (Foxe's Book of Martyrs) written by a Protestant who was very biased.



6) Elizabeth I She takes on the throne following her Catholic sister Mary. The country is divided over religion.

Many Catholics did not feel she had a right to be Queen. Catholics did not recognise the divorce of her father Henry VIII to his first wife, Catherine of Aragon.



What is Elizabeths Middle Way?

Elizabeth was raised a Protestant but tried to find a 'Middle way' between the Catholics and Protestants. She wanted to keep both sides happy and prevent unrest.

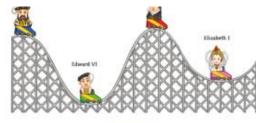




Year 7 History: Changes to religion under the Tudors

1) Why is the Tudor dynasty referred to as a 'religious rollercoaster'?

<u>The Tudor religious</u> <u>rollercoaster</u>



Protestant

2) Edward VI

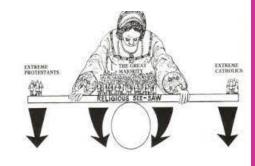




5) How did Mary treat protestants?

Many _____ did not feel she had a right to be _____. Catholics did not recognise the d_____ of her father _____ VIII to his first wife, Catherine of Aragon.

6) Elizabeth I



What is Elizabeths Middle Way?

3) Lady Jane Grey...Queen for9 days



4) Mary I



Year 7 History: Elizabethan exploration

Question	Answer		Question	Answer
List two reasons why Elizabethans went of voyages	 To increase their wealth- bring back new goods to sell To develop new trade markets To compete with the Spanish To discover new land Nationalism/patriotic 		Who was given royal permission to explore the Americas and the New World?	Walter Raleigh
		ments in ship and maps	Define colonise	Send settlers (people) to establish control
What is a voyage?	Going on a jo	ourney at sea.		over an area
What is a galleon?		D. These were designed to be more le (high speeds) and have weapons to k	What did Raleigh have to give Elizabeth in return for the land he colonised?	One fifth of all the gold and silver he found there
What is the printing press?		was invented in 1440 which allowed for work and shared with others. It allowed for maps to		
	be developed		Did Raleigh ever go to the Americas?	No, he sent others to explore in his name
What is a astrolabe?	A device that used the sun to track direction. It was used by sailors at sea		Where was a colony established on the east coast of America?	Roanoke
What did Francis Drake do in 1577-1580?	He successfu	lly circumnavigated the world	When did the colony	1587
What does circumnavigation mean?	Sail around the world		leader of Roanoke leave to return back to England?	
Kouward	Definition	What was discovered	All of the colonist had	
Key word New World		The Americas	when returned to Roanoke	gone and the word 'Croatoan' (name of a local tribe) was carved
Exploration		Going to a new area/land		into a tree

Year 7 History: Elizabethan exploration

Question	Answer		Question	Answer
List two reasons why Elizabethans went of voyages			Who was given royal permission to explore the Americas and the New World?	
			Define colonise	
What is a voyage?				
What is a galleon?			What did Raleigh have to give Elizabeth in return for the land he colonised?	
What is the printing press?			Did Raleigh ever go to the Americas?	
What is a astrolabe?			Where was a colony established on the east coast of America?	
What did Francis Drake do in 1577-1580?			When did the colony leader of Roanoke	
What does circumnavigation mean?			leave to return back to England?	
Key word		Definition	What was discovered	
New World			when returned to Roanoke	
Exploration				

Life Chances



Helping every person achieve things they never thought they could.



Year 7 Life Chances: CEIAG (careers)				Employment Skills
Employment Definitions			Transferable skills can make you really stand out to employers,	
Employer		vidual or organisation who pays ne for the work they complete.	even if you don't have specific experience in their industry These can include: • Team work	
Employee	-	employed for wages or salary, to lete set tasks or expectations.		 Flexibility Problem solving
Soft skills are general skills that most employers look for when recruiting and are needed for most jobs. They are sometimes called transferable skills or employability skills by employers.			 Time management Positivity Creativity 	
Hard skills are skills needed to do a specific job, generally gained through work, learning or training.		Wbat	• Flexibility opportunity is the difference between a job and a career?	
V	Vhat is a j	ob sector?	Vilac	
A job sector is a term	A job sector is a term used to classify a broad group of jobs that are related by what they do		Job	Your job is the role you have at your place of work. Firefighter, airline pilot, teacher, politician – these are all jobs. A job can be something you do just to earn money. But it can
Media and Crea	ative Retail			also be part of something much bigger. This is called a "career".
Healthcare Law		IT Sport		A career is about more than just earning a wage. It is to do with your long-term aims and ambitions , and what you want to
Education Engineering Agriculture	i	Science Construction Finance	Career	achieve in your life. In a career, each job you have helps you achieve this goal. This is called your career path.

Year 7 Life C	hances: CEIAG (careers)	What are transferable skills- provide examples:	
Def	ine the words below:		
Employer			
Employee			
What are soft skills?		-	CAREER
	What are hard skills?		is the difference between a job and a career?
V	Vhat is a job sector?	vvilat	is the difference between a job and a career:
		Job	
• -	• -		
• •	• •		
• -	• -	Career	
• -	• -		
• -	• -		

Year 7 Life C	hances: CEIAG (careers)	Stereotypes and equality in the workplace
Law		A stereotype is a widely held belief about a certain social group or a type of individual based on prior assumptions.
Civil Law	Civil law deals with private matters between businesses or individuals. For example, a breach of contract, like when someone doesn't keep up with repayments on a loan	Stereotypes can also be based on popular cultural depictions of groups of people or deeply held beliefs passed down through generations. Often, stereotypes can be negative or even harmful. The most common stereotypes that tend to be negative include: • Cultural stereotypes • Social stereotypes
Criminal Law	Criminal law relates to crimes committed that are perceived as threatening, harmful, or a danger to property, health, safety, and moral welfare. This might be, for example, theft or murder.	
What does it mean to be enterprising?		Racial stereotypes
An entrepreneur is someone who is enterprising and takes a risk to start their own business		 Gender stereotypes Religious stereotypes
	· · · · · · · · · · · ·	

Being enterprising is about coming up with ideas and being able to do things independently. It combines a mix of skills including creativity, positivity, resilience and communication.

Year 7 Life Chances: CEIAG (careers)	What is a stereotype?
What is the difference between civil and criminal law?	A stereotype is
Civil Law	
Criminal Law	Often, stereotypes can be negative or even harmful. The most common stereotypes that tend to be negative include: • -
What does it mean to be enterprising?	• -
An entrepreneur is	• -
Being enterprising is about	CAREERS NEERS

Year 7 Life Chances: Wellbeing

The Equality Act (2010)

This is designed to prevent discrimination on a number of grounds. These grounds are called 'protected characteristics'.



Mental Health

Your mental health affects how you feel, think and act. It refers to your **emotional**, **psychological** and **social** wellbeing. Your mental health can change on a daily basis and over time, and can be affected by a range of factors.

When children and young people have good levels of wellbeing it helps them to:

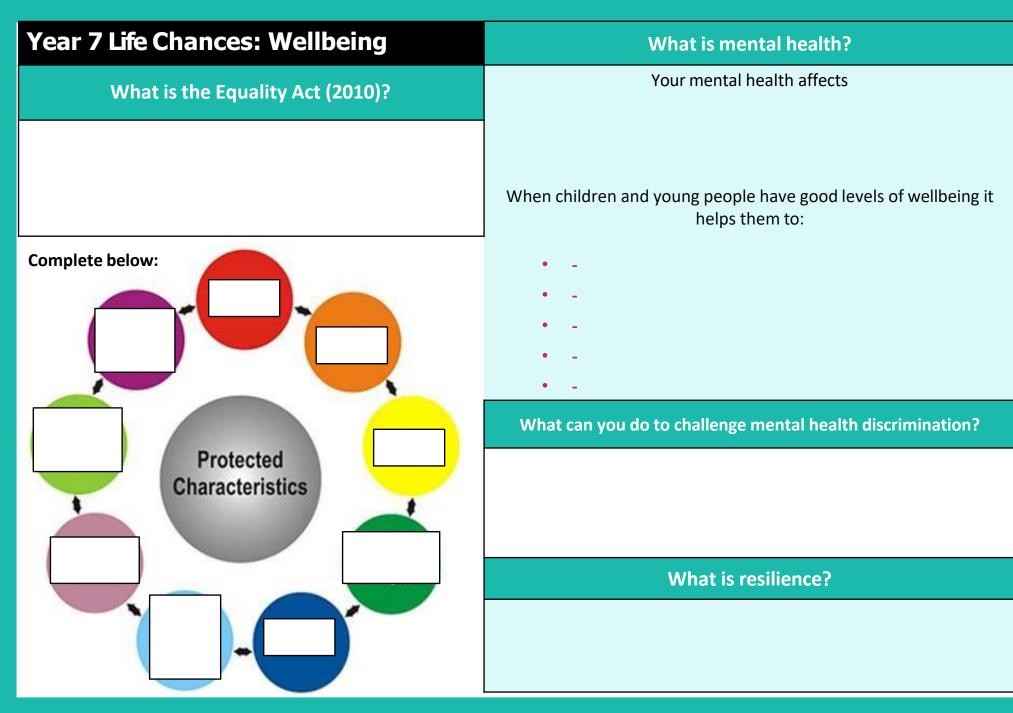
- Learn and explore the world
- Feel, express and manage positive and negative emotions
 - Form and maintain good relationships with others
- Cope with, and manage, change, setbacks and uncertainty
 - Develop and thrive

What can you do to challenge mental health discrimination?

Avoid using language that might be offensive or upsetting, challenge this language when used, encourage people to be understanding and supportive around mental health, avoid trivialising or making fun of mental health issues

Resilience

Resilience is a skill that helps people to recover quickly from difficulties, change or misfortune; to adapt to and overcome risk and adversity; to persevere and 'bounce back'.



Year 7 Life Chances: Road safety

Road Safety Key points to remember:

 Always use a crossing if you can. It might mean walking a bit further, but pedestrians are three times more likely to be killed when they don't use a crossing. LOOK UP!

Look and listen for traffic and don't be distracted:

*Put your phone away.*Stop chatting to friends.*Hold on to smaller children.

*Look at the road and check the traffic before crossing.





Road Safety Key points to remember:



*Keep looking and listening. As you cross keep looking out for traffic in case there is something you didn't see, especially cyclists, electric cars or trams, as they can be very quiet.

*ALWAYS **STOP**, LOOK and **LIS TEN** before crossing a road. *Make eye contact with the drivers. If the driver does not look at you, assume they have not seen you.

*Never cross in front of a lorry, bus or large vehicle.

*Be patient and wait – vehicles go faster than we think .

*Be seen. Wear or carry something bright.

*When it is dark, cross near a streetlight or use a torch (most mobile phones have them).



Year 7 Life Chances: Road safety	
Road Safety Key points to remember:	Road Safety Key points to remember: Keep looking and listening. As you cross keep looking for traffic in there is something you didn't, especially , electric or trams, as they can be very quiet.
Look and listen for traffic and don't be distracted: * * *	*Make eye contact with the drivers. If the does not at you, assume they have not you.
*	*Be patient and – vehicles go faster than we *Be Wear or carry something *

Dangers Around The Water

Seven things to watch out for:

Slippery banks – the banks on rivers and lakes can be very slippery, making it hard to exit the water.

Waste – unfortunately, some people dump their rubbish into our waterways. This can harm you if you touch sharp or entangling objects.

Pollution – some waterways contain dangerous chemicals which can hurt you.

Currents – underwater currents can be very strong and sweep you away from safety within seconds.

Cold temperatures – open water in the UK remains cold all year round. This can cause your muscles to stop working properly. It can also make you gasp for air, potentially causing you to breathe in water.

Water levels – the depth of open water changes drastically. This can make wading treacherous and means you should never dive in without knowing the water's depth.

No lifeguard – swimming in the great outdoors means that you may be very isolated and that nobody will be there to help if things go wrong.

If you want to go swimming, it is much safer to always go to a purpose-built swimming pool with a lifeguard present.







Dangers Around The Water

Seven things to watch out for:

Slippery banks	Water Safety Tips
Waste	SOURCES OF WATER
Pollution	POLLUTION
Currents	Automation Automa
Cold temperatures	
Water levels	
No lifeguard	

Who is harmed and what type of accidents happen?

Tombstoning can lead to death and injuries.

- Most involve males (85%)
- Teenagers are involved in just over half the cases (55%), followed by those in their 20s
- Of the non-fatal incidents, spinal and limb injuries (both at 20%) were most reported.
 Many of the non-fatal incidents have resulted in life-changing injuries.

Tombstoning can cause serious injuries or death

Don't jump into the unknown

#BeWaterAware



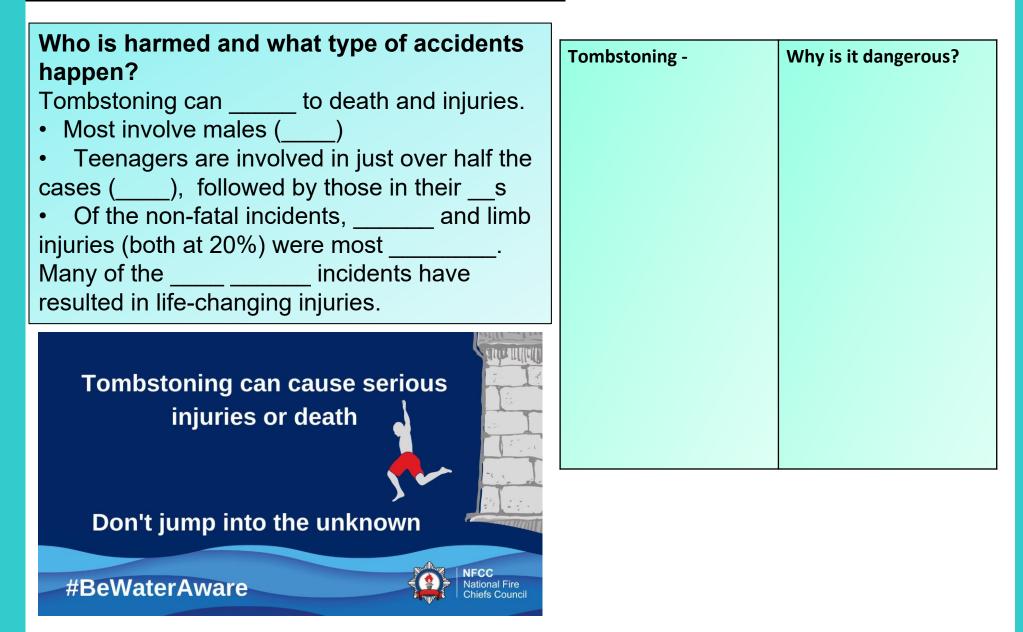
Tombstoning - the name given to when a person falls or plunges into deep water, in a similar way a stone would.

Why is it dangerous?

Water depths alter with the tide – the water may be shallower than it seems
Submerged objects like

rocks may not be visible – these can cause serious impact injuries •The shock of cold water

- can make it difficult to swim
- •Getting out of the water is often more difficult than people realise
- •Strong currents can rapidly sweep people away



What needs our	How do we keep it/them clean?	What product/s can	Physical effects if
attention?		we use to help?	we don't do this?
Teeth	Brush twice a day	Toothpaste	Toothache
	Floss regularly	Dental floss	Tooth decay
	Visit the dentist regularly	Mouthwash	Bad breath
			Loss of teeth
Hands	Use warm water and soap.	Soap	Infection
	Rub between the fingers and thumb for at least 20 seconds.	Hand wash.	Illness
			Contamination
	Wet the hands thoroughly and dry thoroughly.		disease
Hair	Wash every other day.	Shampoo	Greasy hair
	Brush it every day.	Brush/comb	Hair will knot and tangle
Armpits	Soap	Soap	Bad odour
(including hair)	Water	Body wash	
	Dry thoroughly	Antiperspirant	
Feet	Wash your feet	Soap	Athletes Foot.
	Wear socks made from natural fibres.	Body wash.	Odour.



 Personal hygiene means making sure the external parts of the body are kept clean. Not keeping up standards of personal hygiene leads to an increased risk of infection or illness, as well as having social implications.

• Personal hygiene helps you to keep looking and feeling fresh. It also helps to prevent sickness, infection and embarrassment.

What needs our attention?	How do we keep it/them clean?	What product/s can we use to help?	Physical effects if we don't do this?
Teeth			
Hair			
Armpits (including hair)			
(

Sweaty Facts!

 Sweating isn't medically dangerous but it can be embarrassing and emotionally distressing •Sweating doesn't cause body odour •Bad body odour is caused when bacteria living on the skin breaks down protein and fatty substances secreted by sweat glands •People usually sweat in the armpits (underarms), the groin and feet (due to wearing socks and shoes) •Many teenagers notice that they sweat more than they used to. This is normal throughout puberty (from about 10-18 years old) •Sometimes, excessive sweating can be caused by obesity or medical conditions (such as diabetes). Occasionally the problem needs to be investigated by a GP.

What Might Help?

Avoid things that make your sweating worse (such as spicy foods or alcohol)

Wash/shower every day to remove the odour causing bacteria

Wear clean clothes (underwear, shirts) every day

Use antiperspirant after washing (rather than deodorants)

Avoid tight, restrictive clothing and man-made fibres, such as nylon

Wearing white or black clothing can minimise the signs of sweating

Wear socks that absorb moisture, for example thick, soft socks made of natural fibres or sports socks designed to absorb moisture. Avoid synthetics and change your socks at least once a day.

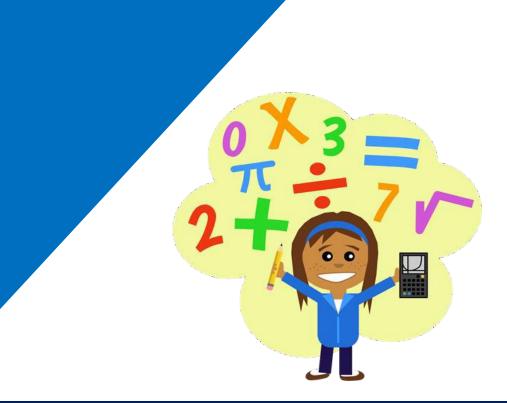
Buy shoes that are made of leather, canvas or mesh rather than synthetic (man-made) material

Sweaty Facts!

•Sweating isn't dangerous but it can be embarrassing and distressing Sweating doesn't cause body ______ body odour is caused when bacteria living on the skin down protein and fatty substances secreted by sweat •People usually sweat in the armpits (underarms), the groin and (due to wearing socks and shoes) •Many teenagers notice that they more than they used to. This is normal throughout (from about 10-18 years old) •Sometimes, sweating can be caused by obesity or medical conditions (such as _____). Occasionally the _____ needs to be investigated by a GP.

What Might Help?

Maths



Helping every person achieve things they never thought they could.



	Year 7: All the topics that will be taught this year. Topic	Sparx Code
	Integer Place Value	M704
	Decimal Place Value	M522
Place Value	Converting between Fractions and Decimals	M958
	Ordering Negative Numbers	M527
	Using Number Lines Adding Integers	M928
Addition &	Adding Decimals	M479
Subtraction	Subtracting Integers	M347
	Subtracting Decimals	M152
	Calculating the Range	M328
Nange	Calculating the Range from Ungrouped Frequency Table	M127
	Multiplying and Dividing by Powers of 10	M113
Multinhving 8	Converting Standard Form	M678/M/19
iviuitiprying & Dividing	Multiplying Integers Multiplying Decimals	M803
0	Dividing Integers	M462/M873/M354/M262
	Dividing Decimals	M491
Negative	Adding and Subtracting Negative Numbers	M106
Numbers	Multiplying and Dividing Negative Numbers	M288
	Calculating the Median	M934
Median &	Calculating the inode Median and Mode from Frequency Tables	M127
Mode	Calculating the Mean	M940
	Mean from Frequency Tables	M127
	Choosing Suitable Averages	M440
	Finding Factors	M823
Factors.	Finding Highest Common Factor	M698
Multiples &	Finding Lowest Common Multiple	M227
Primes	Finding Prime Numbers	M322
	PTIME Factor Decomposition HCF and LCM by Venn Diagram	M365
	Finding Fractions of Shanes	M158
	Finding Fruivalent Fractions	M410
Fractions,	Simplifying Fractions	M671
Decimals &	Converting between Improper Fractions and Mixed Numbers	M601
Percentages	Converting between Fractions, Decimals and Percentages	M264
	Fraction of Amount	M695
	Writing and Simplifying Ratios	M885
Ratio	Converting between ratios, fractions and percentages	M267
	VVIUUIS RAUOS III LUE IOUIT 1.11 Sharing amounts in a given ratio	M575
Powers &		
Roots	Calculating with Roots and Powers	M135
	Algebraic Notation	M813
Algebraic	Algebraic Terminology Collocting libo torms	N1830 N705/N1521
Simplification	Simplifying expressions using index laws	
	Expand Single Brackets	M237
Order of Operations	Order of Operations	M521
Function	Function Machines	M175
Machines	Function Machines with Letters	M428
Substitution	Substituting into Expressions	M327
	Substitung into Formulae Derimeter of rectangles triangles and narallelograms	M635
Area &	reminenti or rectangles, mangles and parametograms Area of Rectangles	06EM
Perimeter	Area of Triangles	M610
	Area of Compound Shapes	M269
Solving	Solving 1 Step Equations	M707
Equations	Solving 2 Step Equations	M634/M647/M401
Probability	Using Probability Phrases Writing Probabilities as Fractions Decimals and Percentages	M655 M938
Scale	Writing Probabilities as Fractions	M941

Ye	ear 7 Mat	hs:		×	1	2	3	4	5	6	7	8	9	10	11	12
	ł	🔶 💋 🎽	s 📂	1	1	2	3	4	5	6	7	8	9	10	11	12
		A whole numberNot fraction or a	Integers: 7, -5, 0, 123, -56	2	2	4	6	8	10	12	14	16	18	20	22	24
1	Integer	decimalCan be positive or negative	Not integers: 0.84, $\frac{1}{2}$ - 0.76	3	3	6	9	12	15	18	21	24	27	30	33	36
		 Has a whole number part and a fractional 	3.11 is an example of a decimal. Its fractional	4	4	8	12	16	20	24	28	32	36	40	44	48
2	Decimal	part with a decimal point	equivalent is $3\frac{11}{100}$.	5	5	10	15	20	25	30	35	40	45	50	55	60
		 = equal to = not equal to 	$5 = 5$ $5 \neq 6$ 5 < 6 $6 > 5$	6	6	12	18	24	30	36	42	48	54	60	66	72
3	Symbols	• \neq not equal to • $<$ less than • \leq less than or equal to • $>$ greater than • \geq greater than or equal to • \Rightarrow greater than or • \Rightarrow for the		7	7	14	21	28	35	42	49	56	63	70	77	84
	•		8	8	16	24	32	40	48	56	64	72	80	88	96	
4	Sum	 Add the numbers togethers 	The sum of 5 and 7 is	9	9	18	27	36	45	54	63	72	81	90	99	108
		The result of	The difference	10	10	20	30	40	50	60	70	80	90	100	110	120
5	Difference	subtracting one number from another	between 7 and 5 is 2	11	11	22	33	44	55	66	77	88	99	110	121	132
6	Product	 The result of multiplying numbers 	The product of 5 and 7 is 35	12	12	24	36	48	60	72	84	96	108	120	132	144
		• To work out an answer, by using one	Calculate the cost of			- 1	, i									
7	Calculate or more of the mathematical operations	10 apples when each apple costs £0.20	-	6 -5	5 -4	-3	-2	-1	0	1	2	3	4 5	6		

Ye	ar 7 Maths:	8. Fill	in the	multi	plicati	on grie	d belov	N :						*
	🛉 📫 📁 💥 📂	×	1	2	3	4	5	6	7	8	9	10	11	12
1	What in an integer ?	1												
		2												
2	What is a decimal ?	3												
3	What do each of these symbols mean? =, \neq , <, ≤, >, ≥	4												
5		5												
4	When a question asks you to sum the numbers, what is the calculation you need to do?	6												
		7												
5	When a question asks for the difference in numbers, what is the calculation you need to do?	8												
		9												
6	When a question asks for the product of numbers, what is the calculation you need to do?	10												
	What does the word calculate mean?	11												
7		12												

Year 7 Maths:

		Key Vocabulary			The Commutative numbers or multi
1	Addition	• To find the total, or sum, of two or more numbers	"add", "plus", "sum" 3 + 2 + 7 = 12	7	swap them aroun answer: 5
2	Subtraction	 To find the difference between two numbers To find out how many are left when some are taken away 	"minus", "take away", "subtract" $10-7=3$	0	The Associative L multiplying numb (i.e. which we cal and still get the sa
3	Multiplication	 Can be thought of as repeated addition 	"multiply", "times", "product" $3 \times 6 = 6 + 6 + 6 = 18$ $4 \times 1 = 1 + 1 + 1 = 4$	8	(5+6) (5 × 6)
4	Division	 Splitting into equal parts of groups The process of calculating the number of times one number is contained within another one. 	"divide", "share" $20 \div 4 = 5$ $\frac{20}{4} = 5$	9	The Distributive L distributed across lots of (5 + 6) is th lots of 6. $2 \times (5 + 6)$
5	Median Value	 The middle value. Put the data in ascending (smallest to largest) order and find the middle one. If there are two middle values, find the number half between them by adding them together and dividing 	Find the median of: 4, 5, 2, 3, 6, 7, 6 Ordered: 2, 3, 4, 5, 6, 6, 7	10	A negative number positive number $5 \times -6 = -3$ $10 \div -2 = -3$
6	Mode	 Most frequent/common Can have more than one mode (called bi-modal or multi-modal) or no mode (if all values appear once) 	Median = 5 Find the mode of: 4, 5, 2, 3, 6, 4, 7, 8, 4, Mode = 4	11	A negative number negative number $-5 \times -6 = 3$ $-10 \div -2 =$

Key Facts

The Commutative Law – when adding numbers or multiplying numbers we can swap them around and still get the same answer:

> 5+6=6+5 $5 \times 6 = 6 \times 5$

The Associative Law – when adding or multiplying numbers we group the numbers (i.e. which we calculate first) in different ways and still get the same answer:

$$(5+6)+7=5+(6+7)$$

5 × 6) × 7 = 5 × (6 × 7)

The Distributive Law – multiplication can be distributed across addition, for example, 2 lots of (5 + 6) is the same as 2 lots of 5 plus 2 lots of 6.

 \times (5+6)+7=2 × 5+2 × 6

A negative number multiplied or divided by a positive number gives a negative number. E.g.

$5 \times -6 = -30$	$-2 \times 3 = -6$
$10 \div -2 = -5$	$-20 \div 2 = -10$

egative number multiplied or divided by a gative number gives a positive number. E.g. $-5 \times -6 = 30$ $-2 \times -3 = 6$

 $\div -2 = 5$ $-20 \div -2 = 10$

4

Y	ear 7 Maths:			Key Facts
Ke	ey Vocabulary			Explain the Commutative Law:
1	What is the process of addition ?	de la companya	7	
2	What is the process of subtraction ?		8	What is the Associative Law?
3	What can multiplication be thought of as?		0	
4	What can be used instead a division sign to show division ?		9	Describe the Distributive Law:
5	How do you find the median value in a set of data?		10	A negative number multiplied or divided by a number gives a negative number. $-5 \ge 7 = ?$ $-32 \div 8 = ?$
6	How do you find the mode in a set of data?		11	A negative number multiplied or divided by a number gives a positive number. $-5 \times -4 = ?$ $-21 \div -3 = ?$

Year 7 Maths: Multiplying and Dividing

	Key Skill	Thinking Points	WAGOLL	
1	Multiplying using the grid method	Partition both numbers Create a grid and write the partitioned first number along the top, and the partitioned second number along the side Use the grid to multiply these numbers Add up the numbers inside the grid	34×8	45×39
2	Multiplying using the column method	Write one number underneath the other, making sure the place value alignment is correct.	54 × 6 × 6 2 4 + 3 0 0 3 2 4	$35 \times 46 \times 46$ 2×46 2×46 2×46 1×0 1×0 1×0
3	Dividing using the bus stop method	The dividend (the number being divided) is under the shelter of the bus stop. The divisor (the number the dividend is divided by) is outside the bus stop.	$ \begin{array}{r} 288 \div 9 \\ 0 3 2 \\ 9 \overline{)2^{2}8^{1}8} \end{array} $	^{11 ÷ 8} 0 1.3 7 5 8 1 ¹ 1. ³ 0 ⁶ 0 ⁴ 0

Year 7 Maths: Multiplying and Dividing

	Key Skill	Practice	
1	Multiplying using the grid method	8 × 39	21 × 73
2	Multiplying using the column method	26 × 7	89 × 14
3	Dividing using the bus stop method	What is 628 divided by 9?	What is 258 divided by 12?

Year 7 Maths: Statistics – Range and the Mean

	Key Skill	Thinking Point	WAGOLL		
1	Working out the range	 The range shows us how spread out a set of data is. The range only considers the highest and lowest values. Subtract the smallest number in your data set from the largest number. 	Find the range of: 8 5 23 11 6 2 14 17 Range: 23 - 2 = 21		
2	The Mean From a list	 Add together all the numbers Then divide by how many numbers there are 	Find the mean of: 3 2 8 7 3 + 2 + 8 + 7 = 20 $20 \div 4 = 5$ Mean = 5 Find the missing number, when the mean of the numbers is 8: 6 10 ? 13 2 $8 \times 5 = 40$ (total) 6 + 10 + ? + 13 + 2 = 40 6 + 10 + 13 + 2 = 31 40 - 31 = 9 ? = 9		
3	The Mean From a frequency table	 Add together all the frequencies Create a new column titled number x frequency and fill in this column Work out the total of this column Divide the answer from total of the number x frequency column by the total frequencies 	Age Frequency 10 4 = 40 11 6 = 66 12 3 = 36 13 2 = 26 15 168		

Year 7 Maths: Statistics – Range and the Mean

	Key Skill	Thinking Point	Practice			
1	Working out the range	• What is the range?	Find the range of: 2 5 23 11 6 0 14 17 Find the range of: -4 7 -8 19 5 -1 12 1 22			
2	The Mean From a list	 How do you work out the mean from a list of numbers? 	Find the mean of: 3 2 10 8 7 Find the missing number, when the mean of the numbers is 7: 6 10 ? 13 2			
3	The Mean	What is the first step in working out the mean	Work out the mean number of pets			
	From a frequency table	from a frequency table?	Number of Pets Frequency			
		What do you do next?				
			2 3 3 3 2			
		• What is the final step?	$\frac{3}{4}$ 1			
			5 2			

Year 7 Maths: Factors, Multiples and Primes

	Key Skill	Thinking Point	WAGOLL		
1	Highest Common Factor by listing	 List the factors of both numbers Find the highest number that appears in both lists 	HCF of 12 and 30 Factors of 12: 1, 12, 2, 6, 3, 4 Factors of 30, 1, 30, 2, 15, 3, 10, 5, 6 HCF = 6		
2	Lowest Common Multiple by listing	 List the multiples of both numbers Find the lowest number that appears in both lists 	LCM of 12 and 30 Multiples of 12: 12, 24, 36, 48, 60, 72, 84, 96, 108, 120 Multiples of 30, 30, 60, 90, 120, 150, 180, 210, 240, 270, 300 LCM: 60		
3	Prime Decomposition	 Split the number into a pair of factors (you can't use 1 and the number itself) If either of these factors are a prime number, circle them. If not, continue to split them into factor pairs. If a number has been circled, it is one of the prime factors and you don't split that number any further. At the end, write out the prime factors with a x between them. 	Write 72 as a product of its prime factors $= 2 \times 2 \times 2 \times 3 \times 3$ $= 2^{3} \times 3^{2}$		

Year 7 Maths: Factors, Multiples and Primes

	Key Skill	Thinking Point	Practice
1	Highest Common Factor by listing	 How do you work out the highest common factor? 	HCF of 16 and 40
2	Lowest Common Multiple by listing	 How do you work out the lowest common multiple? 	LCM of 30 and 75
3	Prime Decomposition	 How do you know if you should circle a number in the prime factor tree? 	Write 54 as a product of its prime factors

Year 7 Maths: R	Ratio, Perimeter and Area	
Key Skill	Thinking Point	WAGOLL
Equivalent ratios	 If two ratios are equivalent, they have the same constant of proportionality. We can find equivalent ratios by multiplying all the parts by a scale factor. 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Simplifying ratios	Reducing a ratio to its simplest form by dividing by common factors	$\begin{array}{c} 60:24\\ \div 12 \\ \downarrow \\ 5:2 \\ \end{array} \begin{array}{c} \downarrow \\ \div 12 \\ \end{array}$
Comparing ratios	Use multiples to solve ratio problems	Annie and Ben share some money in the ratio 4:3. Annie receives £24. How much does Ben receive? A: B $x \ 6 \ \downarrow \ \ 4:3 \ 24:18 \ \downarrow \ x \ 6$
Perimeter	• The distance around the edge of a shape	Work out the perimeter for each shape: $2m \sqrt{4m} + 4m$ $3cm$ $3 + 3 + 3 = 12cm$ $2m \sqrt{4m} + 5 = 11m$ $4 + 4 + 9 + 9 = 26cm$
Area	 The amount of space inside a shape Area of a rectangle or square: base × perpendicular height Area of a triangle: base × perpendicular height 	Calculate the area = $\frac{1}{2} \times 8 \times 7$ = 28 cm^2 7 cm $\frac{9}{8 \text{ cm}}$ Calculate the area: Area of Rectangle = 50 cm^2 Area of triangle = $\frac{4 \times 10}{2} = 20 \text{ cm}^2$ Total Area = 70 cm^2

Year 7 Maths: Ratio, Perimeter and Area

Key Skill	Thinking Point	WAGOLL
Equivalent ratios		$4:11 \qquad 2:7 \qquad \downarrow \qquad \downarrow \qquad \downarrow \qquad \downarrow$
Simplifying ratios		$\downarrow 18:9 \qquad \qquad \downarrow 45:36 \qquad \qquad \downarrow $
Comparing ratios		Courtney and Dan share some money in the ratio 3:5. Dan receives £20. How much does Courtney receive?
Perimeter		$\begin{array}{c} 8mm \\ 10mm \\ 16mm \end{array} \\ 6cm \\ 8cm \end{array} \\ 6cm \\ 15m \\$
Area		$ \overbrace{\leftarrow} 6 cm \rightarrow \overbrace{\bigcirc} f cm \rightarrow \overbrace{\frown} f cm \rightarrow f cm \frown f cm$

Year 7 Maths: Function Machines

Key Skill	Thinking Point	WAGOLL	
One step function machines	 A function relates an input to an output A function machine is a diagram that we can use to show what happens when we input a number and apply a 'function' or operation to it. 	Input Output $12 \longrightarrow 60$ $x \longrightarrow 5 \longrightarrow 5x$ $3t \longrightarrow 15t$	
Two step function machines	 Two step function machines are used to apply operations in a given order A function machine can be applied to numbers or be used for algebraic manipulation. 	Input $y \rightarrow \div 2 \rightarrow +3$ Input $b \rightarrow +6 \rightarrow \times 5$ Input $n \rightarrow \times 2 \rightarrow -4$	Output $ \xrightarrow{y}{2} + 3 $ Output $ \xrightarrow{5(b+6)} = 5b + 30 $ Output $ \xrightarrow{2n-4} $

Year 7 Maths: Function Machines

Key Skill	Thinking Point	Practice
One step function machines		$\begin{array}{c} \text{input} \\ 3 \\ \end{array} \\ \end{array} \\ + 6 \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{input} \\ 5 \\ \end{array} \\ \hline 5 \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{input} \\ 5 \\ \end{array} \\ \hline 5 \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \hline 5 \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} $ \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{output} \\ \end{array} \\ \end{array} \\ \end{array}
Two step function machines		$2a \rightarrow b + 2 \rightarrow b \rightarrow c$ $2a + 5 \rightarrow c$ $5b + 2 \rightarrow c$ $b + 2 \rightarrow c$ c c c c c c c c c
		$n \longrightarrow + 8 \longrightarrow \div 5 \longrightarrow$
		$24 \longrightarrow \div 6 \longrightarrow + 8 \longrightarrow$ $t \longrightarrow x 5 \longrightarrow -3 \longrightarrow$
		$b \longrightarrow [+7] \longrightarrow [\div 4] \longrightarrow$

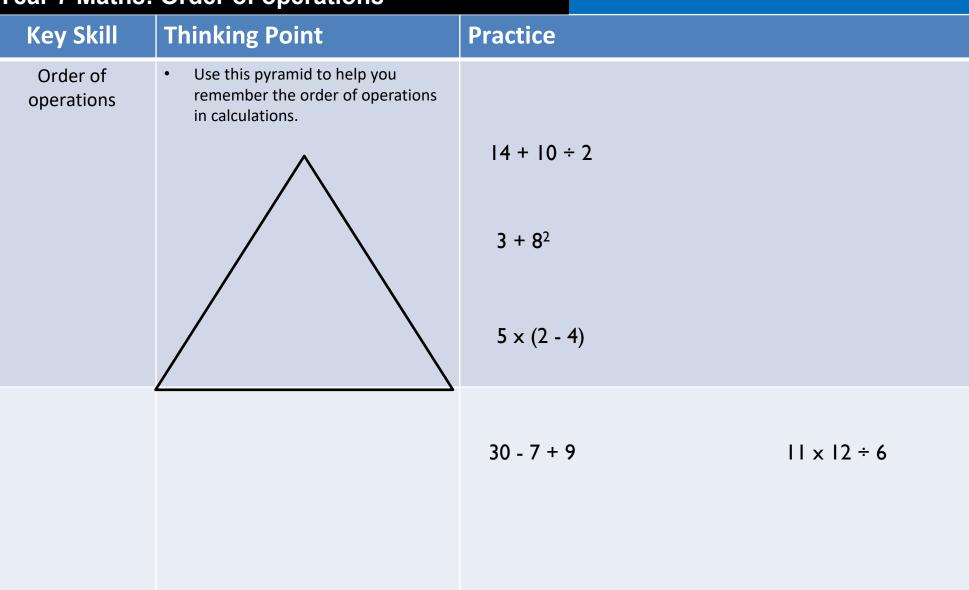
Year 7 Maths: Substitution

Key Skill	Thinking Point	WAGOLL	
Substituting	 Substitute means to put something in the place of something else. In algebra, substitution means replacing the variables 	y=3x Find the value of y when $x=2$	$3 \times (2) = 6$
	(letters) in an algebraic expression with their numerical	$y=rac{18}{x}$ Find the value of y when $x=6$	$\frac{18}{(6)} = 3$
		y=9x-5 Find the value of y when $x=6$	9 × (6) - 5 54 - 5 = 49
		$y=10x^2$ Find the value of y when $x=2$	$10 \times (2)^2$ 10×4 = 40

Year 7 Maths:	Substitution				
Key Skill	Thinking Point	Practice			
Substituting		By substitut	ng, work out the	value of:	
			<i>a</i> = 7	b = 2	
		3a			
		12 <i>b</i>			
		a + b			
		$\frac{28}{a}$			
		b^2			
		a + 2b			
		b – a			

Year 7 Maths:	Order of operations		
Key Skill	Thinking Point	WAGOLL	
Order of operations	 Use this pyramid to help you remember the order of operations in calculations. Image: Constraint of the operation of	$ \begin{array}{l} 10 \times (3 - 5) \\ 10 \times -2 \\ = -20 \end{array} $ $ \begin{array}{l} 7 + 9^2 \\ 7 + 9^2 \\ 7 + 81 \\ = 88 \end{array} $	$28 - 6 \div 2$ $28 - 3$ $= 25$ $(5 + 3)^{2}$ 8^{2} $= 64$
	 Multiplication and division are of equal priority and should be completed from left to right. Similarly, addition and subtraction are of equal priority to each other and are completed from left to right. 	9 x 8 ÷ 4 72 ÷ 4 = 18	24 - 5 + 2 19 + 2 = 21

Year 7 Maths: Order of operations



Modern Foreign Languages

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Year 7 French:	Year 7 French:			Name				
	Pronouns			Je m'appelle My name is				
Je Tu		l You	II		His name	e is		
ll		Не			Her nam	o ic		
Elle		She		e s'appelle			C 13	
					Key Grammar	А	The	Му
Nous		We						
Vous		You			Masculine	Un	Le	Mon
lls	(Mascul	They line or mixed group)			Feminine	Une	La	Ma
Elles		They			1 eminine	One	La	IVIA
Pochonica		(Feminine)	•		Plural	Des	Les	Mes
Response	s/Emu	Well	(r) (m)		Questions			
Mal		Bad		Comment t'appelles-tu?		s your nam	ne?	
	0.02	So-so		Où habites-tu?	Where	Where do you live?		
Comme ci comme ça Fatigué/Fatiguée		Tired		Comment ça va?	Her name is			
Content/Conte		Cheerful		Quel âge as-tu?	What i	s your age	?	
Heureux/heure	use	Нарру		Quel est ton anniversaire?	? When is your birthday?			
Détendu/Déter	ndue	relaxed		Quel est ton caractère?	Quel est ton caractère? What is your pers		sonality like?	

Year 7 French:		How do we write/say the following sentences for introductions?					
Complete the Frenc	ch pronouns below:		My name is				
	Ι				-		
	You				His name	e is	
	Не				Her nam	e is	
	She			Кеу			
					Α	The	My
	We						
	You			Masculine			
	They (Masculine or mixed group)			Feminine			
	They (Feminine)						
What does each w	vord below mean?	<i>''</i>		Plural			
Bien		What do each of the q		uestions below mean?			
Mal			Comment t'appelles-tu?				
Comme ci comme	са		Où habites-tu?				
Fatigué/Fatiguée	-		Comment ça va?				
Content/Content	te		Quel âge as-tu?				
Heureux/heureuse			Quel est ton anniversaire?				
Détendu/Détend	lue		Quel est ton caractère?				

Year 7 French:					
To have (Verb)		To be (Verb)		To live (Verb)	
Avoir	To have	Être	To be	Habiter	To live
J'ai	I have	Je suis	I am	J'habite	l live
Tu as	You have	Tu es	You are	Tu habites	You live
ll a	He has	ll est	He is	Il habite	He lives
Elle a	She has	Elle est	She is	Elle habite	She lives
				Nous habitons	We live
Nous avons	We have	Nous sommes	We are	Ils/elles habitent	They live
Vous avez	You have (formal/plural)	Vous êtes	You are (formal/plural)	1 Un	11 Onze
lls ont	They have (Masculine/mixed)	lls sont	They are (Masculine/mixed)	2 Deux	12 Douze
Elles ont	They have (feminine)	Elles sont	They are (feminine)	3 Trois4 Quatre	13 Treize14 Quatorze
Months				5 Cinq	15 Quinze
January	Janvier	July	Juillet	6 Six	16 Seize
February	Février	August	Août	7 Sept	17 Dix-sept
March	Mars	September	Septembre	8 Huit	18 Dix-huit
April	Avril	October	Octobre		19 Dix-neuf
Мау	Mai	November	Novembre		
June	Juin	December	Décembre	10 Dix	20 Vingt

Year 7 French

Year 7 French:					
To have (Verb) Complete below:		To be (Verb) Complete below:		To live (Verb) Complete below:	
	To have		To be		To live
	I have		I am		l live
	You have		You are		You live
	He has		He is		He lives
	She has		She is		She lives
					We live
	We have		We are		They live
	You have (formal/plural)		You are (formal/plural)	1.	11.
	They have (Masculine/mixed)		They are (Masculine/mixed)	2.	12.
	They have		They are	3.	13.
	(feminine)		(feminine)	4.	14.
	Comple	5.	15.		
January		July		6.	16.
February		August		7.	17.
March		September		8.	18.
April		October		9.	19.
May		November			
June		December		10.	20.

Year 7 French: Je suis (*I am*) Tu es (You are) Ш (He) Mon frère (My brother) Mon père (My father) est *(is)* Elle (She) Ma sœur (My sister)

Ma mère

(My mother)

beau (handsome) (m) fort (strong) (m) grand (tall) (m) gros (fat) (m) mince (slim) moche (ugly) musclé (muscular) (m) petit (short) (m) belle (beautiful) (f) forte (strong) (f) grande (tall) (f) grosse (fat) (f) mince (slim) moche (ugly) musclée (muscular) (f) petite (short) (f)

méchant (mean) (m) ennuyeux (boring) (m) généreux (generous) (m) marrant (funny) (m) sympathique (nice) têtu (stubborn) (m) timide (shy) méchante (mean) (f) ennuyeuse (boring) (f) généreuse (generous) (f) marrante (funny) (f) sympathique (nice) têtue (stubborn) (f) timide (shy)

et

(and)

mais

(but)

Year 7 French:		
Handsome (m)	1	Mean (m)
Strong (m)		
Tall (m)		Boring (m)
Fat <i>(m)</i>		Generous (m)
Slim		Funny <i>(m)</i>
Ugly	 X0X1 X0X2	Nice
Muscular <i>(m)</i>		Stubborn (m)
Short (m)		Shy (m)
Pretty (f)		Mean (f)
Strong (f)		Boring (f)
Tall (f)		Generous (f)
Fat <i>(f)</i>		
Slim		Funny (f)
Ugly		Nice
Muscular (f)		Stubborn (f)
Short (f)		Shy (f)

Questions:

Qu'est-ce que tu aimes? = What do you like? Key point: Qu'est-ce que = what

Grammatical Point: Opinion plus infinitive.

To form a sentence to say that you like something, you can use the correct form of 'aimer' plus an infinitive verb. For example, if you want to say 'I like to study' you would say 'j'aime étudier'.

Other infinitive verbs you can use this rule for this are: Jouer = to play Lire = to read Bavarder = to chat Manger = to eat

RECAP: Être = to be

French	English	
Je suis Tu es Il est / Elle est / C'est	I am You are (singular/informal) He is / she is / it is	
Nous sommes Vous êtes Ils sont Elles sont	We are You (plural) are They are (masculine/mixed) They are (feminine)	

e the		Je déteste =
	ANX XXX XXX	
	XVAX XXXXX MUUUUV XAXXXXX	
		bu

Opir

J'ain Je n' J'ado

nion	Verb	Subject
ne = I like 'aime pas = I don't like ore = I love éteste = I hate	étudier = to study	l'anglais = English les sciences = science (remember that science is plural in French) les mathématiques = maths l'histoire = history la géographie = geography la technologie = technology l'informatique = computing l'éducation réligieuse le sport = PE l'espagnol = Spanish le français = French le dessin = art

Justifications and opinions

To give a justification or opinion for why you like something, you can use:

Parce que c'est...(because it is) or parce que ce sont (because they are) Car c'est ...(because it is) or parce que ce sont (because they are) You then add your adjective.

For example, j'aime étudier l'histoire parce que c'est amusant.

Questions:

Qu'est-ce que tu aimes? = Key point: Qu'est-ce que =

Grammatical Point: Opinion plus infinitive.

To form a sentence to say that you like something, you can use the correct form of '_____' plus an infinitive verb. For example, if you want to say '_____' you would say 'j'aime étudier'.

Other infinitive verbs you can use this rule for this are:

= to play = to read = to chat

= to eat

RECAP: Être =

French	English	
	l am You are (singular/informal) He is / she is / it is	
	We are You (plural) are They are (masculine/mixed) They are (feminine)	

Opinion	Verb	Subject
J'aime = Je n'aime pas = J'adore = Je déteste =	= to study	l'anglais = les sciences = (remember that science is plural in French) les mathématiques = l'histoire = la géographie = la technologie =
		l'informatique = l'éducation réligieuse le sport = l'espagnol = le français = le dessin =

Justifications and opinions

To give a justification or opinion for why you like something, you can use:

Parce que c'est... **or** parce que ce sont

Car c'est ... or parce que ce sont

You then add your adjective.

For example,

Describing subjects and teachers

Remember that in French adjectives change depending on the **noun** you are talking about and how many nouns you are talking about.

A noun is the name of a person, place or thing.

Monsieur Smith est amusant Mr Smith is fun

Madame Smith est amusante Mrs Smith is fun

Mes professeurs sont amusants My teachers are fun

David est = David is Mon professeur est = My teacher is Mon professeur est amusant = My teacher is funny

Key adjectives

	Masculine	Masculine Plural	Feminine	Feminine Plural
amusing	amusant	amusants	amusante	amusantes
boring	ennuyeux	ennuyeux	ennuyeuse	ennuyeuses
funny	marrant	marrants	marrante	marrantes
Interesting	intéressant	intéressants	intéressante	intéressantes

Key Grammar

Infinitive verbs

Remember that an infinitive verb is the verb in the 'to' form before it has been changed. Infinitive verbs end in ER, RE or IR Examples are aimer = to like, faire= to do, avoir = to have.

Conjugating regular verbs that end in ER in the present tense.

Reminder: conjugating a verb means that you are taking its infinitive form (ER, RE or IR endings) to change it to I, you, we and to a particular tense (present, past, future)

To change a verb that ends in ER to the present tense, use the following process:

XXX XXXX XXXX

- 1) Choose who you want to talk about and select the correct subject pronoun.
- 2) Take the ER ending off the infinitive to form the **stem**. For example, change **étudier** to **étudi**
- Choose the correct ending according to the pronoun you are using. For ER verbs, the present tense endings are as follows:

Subject Pronoun	Present Tense ER verb ending
Je (I)	е
Tu (You)	es
II, elle, (He, she,)	е
Nous (We)	ons
Vous (You plural)	ez
Ils, elles (They)	ent

Example: You study = **tu étudies**

Describing subjects and teachers

Remember that in French adjectives change depending on the **noun** you are talking about and how many nouns you are talking about.

A noun is the name of a person, place or thing.

Monsieur Smith est amusant

Madame Smith est amusante

Mes professeurs sont amusants

David est = Mon professeur est = Mon professeur est amusant =

Key adjectives

	Masculine	Masculine Plural	Feminine	Feminine Plural
amusing				
boring				
funny				
Interesting				

Key Grammar

Infinitive verbs

Remember that an infinitive verb is the verb in the 'to' form before it has been changed. Infinitive verbs end in ER, RE or IR Examples are = to like, = to do, = to have.

Conjugating regular verbs that end in ER in the present tense.

Reminder: conjugating a verb means that you are taking its infinitive form (ER, RE or IR endings) to change it to I, you, we and to a particular tense (present, past, future)

XIX

XXX XXXX XXXX XXXX

To change a verb that ends in ER to the present tense, use the following process:

- 1) Choose who you want to talk about and select the correct subject pronoun.
- Take the ER ending off the infinitive to form the stem. For example, change étudier to étudi
- Choose the correct ending according to the pronoun you are using. For ER verbs, the present tense endings are as follows:

Subject Pronoun	Present Tense ER verb ending	
Je (I)		
Tu (You)		
II, elle, (He, she,)		
Nous (We)		
Vous (You plural)		
lls, elles (They)		
Example: You study =		

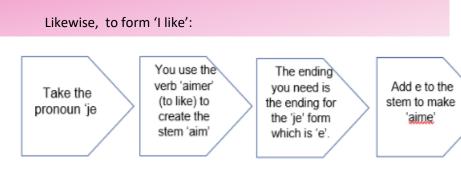
Present tense verb conjugations to learn this term

étudier = to study

Note the present tense endings for each pronoun

J'étudi e *	l study
Tu étudi es	You study (singular/informal)
Il étudie	He studies
Elle étudie	She studies
Nous étudions	We study
Vous étudi ez	You study (formal/plural)
Ils étudi ent	They study(masculine/mixed)
Elles étudi ent	They study (feminine)

* **Grammatical Point:** It cannot be je étudie as we do not have je + a vowel. Instead, we change je to j'.



Therefore, 'I like' is 'j'aime'. Other examples... David aime = David likes Jane aime = Jane likes Days of the week (recap) Remember that days of the week do not take a capital letter in French. lundi = Monday mardi = Tuesday mercredi = Wednesday jeudi = Thursday vendredi = Friday samedi = Saturday dimanche = Sunday

Subjects

maths

l'anglais = English

plural in French)

l'histoire = history

la technologie =

l'informatique =

l'espagnol = Spanish

le français = French

technology

computing

le sport = PE

le dessin = art

les sciences = science

les mathématiques =

(remember that science is

la géographie = geography

Verb

studv

i'étudie = I study

tu étudies = you study

nous étudions = we

*Le lundi iterally means 'the Monday'

Day of the week

Mondays

Tuesdays

Le lundi* = On

Le mardi = On

Wednesdays

Le jeudi = On

Thursdays

Fridays

Saturdays

Sundays

Le mercredi = On

Le vendredi = On

Le samedi = On

Le dimanche = On

Present tense verb conjugations to learn this term

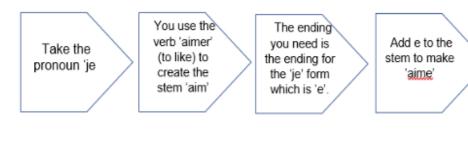
étudier = to study

Note the present tense endings for each pronoun

I study
You study (singular/informal)
He studies
She studies
We study
You study (formal/plural)
They study(masculine/mixed)
They study (feminine)

* **Grammatical Point:** It cannot be je étudie as we do not have je + a vowel. Instead, we change je to j'.

Likewise, to form 'I like':



Therefore, 'I like' is 'j'aime'. Other examples… David aime = David likes Jane aime = Jane likes Days of the week (recap) Remember that days of the week do not take a capital letter in French. lundi = mardi = mercredi = jeudi = vendredi = samedi = dimanche =

Day of the week	Verb	Subjects
	= I study = you study = we study	

*Le lundi iterally means 'the Monday'

Recap: Infinitive verbs

An infinitive verb is the verb in the 'to' form before it has been changed.

Infinitive verbs end in ER, RE or IR

Examples:

ER	RE	IR
Parler = to speak Regarder = to watch Jouer = to play Danser = to dance Écouter = to listen	Faire = to do Être = to be	Sortir = to go out Avoir = to have

Conjugating the ER verbs in the present tense.

To change a verb that ends in ER to the present tense, use the following process:

- Remove the ER to form the stem. For example, change regarder (to watch) to regard
- 2. Choose the correct ending according to the pronoun you are using. For ER verbs, the present tense endings are as follows:

English Pronoun	French Pronoun	Present Tense ER verb ending	French	English meaning
L	Je	е	Je regarde	l watch
You	Tu	es	Tu regardes	You watch
He, she	II, elle	е	II, elle regarde	He, she watches
We	On		On regarde	We watch

You use the same rule to conjugate these verbs in the present tense.

This term we will be describing sports that we play and do. We will use the verbs JOUER (to play) and FAIRE (to do) in the present tense.

Jouer = to play. This is used for **sports with a ball**.

Je joue	I play
Tu joues	You play
Il joue	He plays
Elle joue	She plays
On joue	We play

Other examples... Alain joue = Alain plays Eloise joue = Eloise plays

You then use the correct form of jouer, such as 'je joue' and then add the sport.

For masculine sports, change **le** to **au.** For example, le foot is football. Je joue **au** foot = I play football.

For plural sports, use **aux**. For example, je joue **aux** cartes (I play cards)

Recap: Infinitive verbs

An infinitive verb is the verb in the 'to' form before it has been changed.

Infinitive verbs end in ER, RE or IR

Examples:

ER	RE	IR

Conjugating the ER verbs in the present tense.

To change a verb that ends in ER to the present tense, use the following process:

- Remove the ER to form the stem. For example, change regarder (to watch) to _____
- 2. Choose the correct ending according to the pronoun you are using. For ER verbs, the present tense endings are as follows:

English Pronoun	French Pronoun	Present Tense ER verb ending	French	English meaning

You use the same rule to conjugate these verbs in the present tense.

This term we will be describing sports that we play and do. We will use the verbs JOUER (to play) and _____ (to do) in the _____ tense.

_ = to play. This is used for **sports with a ball**.

l play
You play
He plays
She plays
We play

Other examples... Alain joue = Eloise joue =

You then use the correct form of jouer, such as '_____' and then add the sport.

For masculine sports, change **le** to **au.** For example, le foot is football.

For plural sports, use aux . For example,	(I
play cards)	

Faire = to do

This is an irregular verb, so there are no rules with endings. It has to be fully learned using the table below. This verb is used for sports without a ball.

	Je fais	l do
	Tu fais	You do
7	Il fait	He does
4	Elle fait	She does
X	On fait	We do

Alain fait = Alain does Eloise fait = Eloise does

You then use the correct form of faire, such as 'je fais' and then add the sport.

In French you use 'some' with the sport, for example 'I do some skiing'

How to say 'some' in French

For masculine sports, change **le** to **du**. For example, le ski is skiing. Je fais du ski = I do some skiing.

For feminine sports, change **la** to **de la**. For example, la natation is swimming. Je fais de la natation = I do some swimming

Masculine	Feminine	Plural
Du	De la	Des

Faire =

This is an _____ verb, so there are no rules with endings. It has to be fully learned using the table below. This verb is used for sports _____ a ball.

l do
You do
He does
She does
We do

Alain fait = Eloise fait =

You then use the correct form of faire, such as 'je _____' and then add the sport.

In French you use '____' with the sport, for example 'I do some skiing'

How to say 'some' in French

For masculine sports, change _____ to **du.** For example, ______. Je fais du ski = I do some skiing.

For ______ sports, change _____ to **de la.** For example, la natation is swimming. Je fais de la natation =______

Masculine	Feminine	Plural

QUEL TEMPS FAIT-IL? Le ciel est clair. Il fait mauvais. Il y a du soleil. Il fait beau. du vent Il fait frais. I fait chaud Il fait froid. Il y a des nuages. Il neige. Il grêle. Il pleut. hiver été automne printemps

il y a du soleil it y a du soleil (it is sunny) il fait beau (it is nice weat il fait chaud (it is hot) il fait froid (it is cold) Opinions Parce que = because C'est = it is Super = superb

Quand

(When)

Super = superb Amusant = fun Fantastique = fantastic Génial = great

So, parce que c'est super = because it is superb

Talking about what you do according to the weather

Quand = when

Quand il pleut = when it is raining.

Therefore, you can add your activity at the end of the sentence. For example, quand il pleut, je joue au foot (when it is raining I play football).

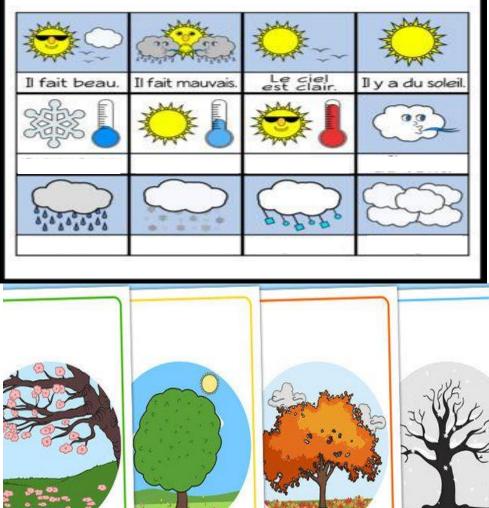
See table below for other examples:

il pleut

	(it is raining)		football)	
	il y a du soleil (it is sunny)		je joue au golf (I golf)	play
	il fait beau (it is nice weather)		je joue au tennis tennis)	s (I play
	il fait chaud (it is hot)		je fais de la nata do swimming)	tion (I
	il fait froid (it is cold)		je fais du ski (I do skiing)	
rb ın	ecause ntastic	Cool = cool Intéressant = i Fatigant = tirin Ennuyeux = bc Nul = Rubbish	g	

je joue au foot (I play

QUEL TEMPS FAIT-IL?



Talking about what you do according to the weather

Quand =

Quand il pleut =

Therefore, you can add your activity at the end of the sentence. For example, quand il pleut, _____

_____(when it is raining I play football). See table below for other examples:

Quand (When)	(it is raining)		(I play football)	
	(it is sunny)		(I play golf)	
	(it is nice weather)		(I play tennis)	
	(it is hot)		(I do swimming)	
	(it is cold)		(I do skiing)	
Opinions				
Parce que = C'est = Super = Amusant = Fantastique = Génial =		Cool = Intéressant = Fatigant = Ennuyeux = Nul =		

So, parce que c'est super =

Year 7 Spa	Year 7 Spanish:			Adjectives			Adjectives vs Nouns	
	Pronouns			An adjective is also known as a describing word.		In Spanish adjeo	ctives change based on the gender of the noun.	
Yo		I			a person, place or thing. Is detail to a noun.		Mi padre está contento My Dad is cheerful	
Tú		Υοι	ı		ectives usually come ne noun .		Mi madre está contenta My Mum is cheerful	
ÉI		He			moderna Iern house	How do you k	now which nouns are masculine or feminine?	
Ella		She	5			Words that end in -a are usually feminine and words that in -o are usually masculine.		
Nosotro	os	We	2			However, some nouns do not end in a or o. For these nouns you just have to check what article they start with:		
Ellos/Ell	as	The	У			ei / la = the		
Key Grammar	Α	The	Му		>	This will s	un / una = a how whether it is masculine or feminine.	
		_1		e Î Î e		Questions		
Masculine	Un	El	Mi		¿Cómo te llamas?		What is your name?	
Feminine	Una	La	Mi	¿Dónde vives?			Where do you live?	
				¿Cómo estás?			How are you?	
Masculine Plural	Unos	Los	Mis	¿Cuántos años tie		nes?	How old are you?	
Feminine	l luca a		N 4:-		¿Cuándo es tu cur	npleaños?	When is your birthday?	
Plural	Unas	Las	Mis		¿Cómo eres?		What are you like? (personality)	

Year 7 Spanish:			Adje	ctives	Adjectives v	s Nouns	
Pronouns				also known as a ng word.	In Spanish adjectives change based	l on the gender of the noun.	
		I			a person, place or thing. s detail to a noun.	Mi padre está c My Dad is ch	
		Yo	u	But in Spanish		Mi madre está My Mum is cl	
		He	5		moderna ern house	How do you know which no feminin	
		Sh	е	The mod	ern nouse	,c	
		We	9		52		
		The	έγ				
Key Grammar	Α	The	My		>		
				•1 Ε		Questions	
Masculine						What is your	name?
Feminine				Hill		Where do you	ı live?
Masculine						How are you?	
Plural						How old are y	vou?
Feminine						When is your	birthday?
Plural						What are you	like? (personality)

Year 7 S	panish	:		*	*		• "
	To have (Verb)			To be	(Verb)	Gree	etings
Ten	ner	To h	ave	Ser	To be	Hello	Hola
Ten	go	I hav	/e	Soy	I am	Good morning	Buenos días
Tien	nes	You ha	ave	Eres	You are	Good afternoon	Buenas tardes
Tie	ne	He/She/	lt has	Es	He/She/It is	Good night	Buenas noches
Tene	mos	We ha	ave	Somos	We are	Thank you	Gracias
Ten	éis	You have	e (plural)	Sois	You are (plural)		
Tien	ien	They h	ave	Son They are			
	Remember in Spanish the ending of a verb tells you who you are talking about			Ser (to be) is used to	Ser (to be) is used to talk about		11 Once
				Characteristics of p	people or things	2 Dos	12 Doce
	Months			• Nationality: Soy in	glés - I am English	3 Tres	13 Trece
January	Enero	July	Julio	Professions: Mi mo mother is a doctor.	•	4 Cuatro	14 Catorce
February	Febrero	August	Agosto		: ¿Qué hora es? - What	5 Cinco	15 Quince
March	Marzo	September	Septiembre	time is it?		6 Seis	16 Dieciséis
April	Abril	October	Octubre			7 Siete	17 Diecisiete
May	Мауо	November	Noviembre	Ser is NOT used to tal	k about	8 Ocho	18 Dieciocho
				-	ld have to use <mark>Estar</mark> (to	9 Nueve	19 Diecinueve
June	Junio	December	Diciembre	be) e.g. <i>Estoy feliz</i>	- I am happy	10 Diez	20 Veinte

Year 7	Spanish:			**	**	* * *	• 🔆
To hav	To have (Verb) (Complete below):			To be (Verb) (Complete below):	Greetings (c	omplete below):
					To be	Hello	
					I am		
					You are	Good morning	
					He/She/It is	Good afternoon	
					We are	Good night	
					You are (plural)	-	
					They are	Thank you	
	Remember in Spanish the ending of a verb tells you who you are talking about			Ser (to be) is used to talk about		1	11
	you mie yo			• -		2	12
C	omplete the	months belo	w:	• -		3	13
January	Enero	July	Julio	• -		4	14
February	Febrero	August	Agosto			5	15
March	Marzo	September	Septiembre			6	16
April	Abril	October	Octubre			7	17
May	Мауо	November	Noviembre	Ser is NOT used to tall	k about	8	18
Iviay		November				9	19
June	Junio	December	Diciembre			10	20



Year 7 Spanish:	
Handsome (m)	
Strong (m)	
Tall (m)	
Fat <i>(m)</i>	
Slim	
Ugly	
Muscular <i>(m)</i>	
Short (m)	
Pretty (f)	
Strong (f)	
Tall (f)	
Fat <i>(f)</i>	
Slim	
Ugly	
Muscular (f)	
Short (f)	

Π

	Mean <i>(m)</i>	
	Boring (m)	
	Generous (m)	
	Fun <i>(m)</i>	
. h	Nice	
A BE	Stubborn (m)	
	Shy <i>(m)</i>	
	Mean (ʃ)	
	Boring (f)	
	Generous (f)	
V	Fun	
	Nice	
	Stubborn (f)	
	Shy (f)	

Questions:

¿Que te gusta? = What do you like? Key point: ¿Que = what

Opinion	Verb	Noun
Me gusta = I like No me gusta = I don't like Me encanta = I love Odio = I hate	estudiar = to study	alemán = German dibujo = art español = Spanish francés = French inglés = English teatro = drama biología = biology educación física = PE geografía = geography historia = history informática = ICT música = music química = chemistry religión = RE ciencias = science matemáticas = maths

Justifications and opinions

To give a justification or opinion for why you like something, you can use:

Porque es...(because it is) **or** porque son (because they are) You then add your adjective.

For example, me gusta estudiar historia porque es divertido.

Recap: Ser (to be)

Ser (to be)

Ser (to be) is used to talk about...

•Characteristics of people or things: Mi hermana es divertida

- My sister is fun

•Nationality: Soy inglés - I am English (masculine).

•Professions: Mi madre es médica - My mother is a doctor.

•The date and time: ¿Qué hora es? - What time is it?

Ser is NOT used to talk about...

Feelings - You would have to use Estar (to be)

e.g. Estoy feliz - I am happy

Spanish	English
Soy	I am
Eres	You are
Es	He/she/it is
Somos	We are
Sois	You (plural) are
Son	They are

Questions:

¿Que te gusta? =

Key point: ¿Que =

Opinion	Verb	Noun
= I like = I don't like = I love = I hate	= to study	= German = art = Spanish = French = English = drama = biology = PE = geography = history = ICT = music = chemistry = RE = science = maths

Justifications and opinions

To give a justification or opinion for why you like something, you can use:

...(because it is) **or** You then add your adjective. For example, (because they are)

Recap: Ser (to be)

Ser (to be) (to be) is used to talk about •Characteristics of people or things: • My sister is fun •Nationality: • I am English (masculine). •Professions: • My mother is a doctor. • The date and time: • What time is it? Ser is NOT used to talk about Feelings - You would have to use (to be) e.g.		
Spanish English		
	l am You are He/she/it is	
	We are You (plural) are They are	

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Describing subjects and teachers

Remember that in Spanish adjectives change depending on the **noun** you are talking about and how many nouns you are talking about.

A noun is the name of a person, place or thing. For example:

Señor Smith es divertid**o** Mr Smith is fun

Señora Smith es divertid**a** Mrs Smith is fun

Mis profesores son divertid**os** My teachers are fun

Key adjectives	Masculine	Feminine	Masculine Plural	Feminine Plural
fun	divertido	divertida	divertidos	divertidas
easy	fácil	fácil	fáciles	fáciles
interesting	interesante	interesante	interesantes	interesantes
useful	útil	útil	útiles	útiles
boring	aburrido	aburrida	aburridos	aburridas

Say what days of the week I study different subjects. Infinitive verbs

Remember that an infinitive verb is the verb in the 'to' form before it has been changed.

Infinitive verbs end in AR, ER or IR Examples are estudiar = to study, hacer = to do, vivir = to live.

Conjugating regular verbs that end in AR in the present tense.

Reminder: conjugating a verb means that you are taking its infinitive form (verbs that end in AR, ER, IR) and changing it to I, you, we and to a particular tense (present, past, future).

To change a verb that ends in AR to the present tense, use the following process:

1.Take the AR ending off to form the **stem**.

For example, change estudiar to estudi

2.Choose the correct ending according to the person you are talking about. For AR verbs, the present tense endings are as follows:

Pronoun	Present tense AR verb ending
I	0
You	as
He/she	a
We	amos
You plural	áis
They	an

Describing subjects and teachers

Remember that in Spanish adjectives change depending on the **noun** you are talking about and how many nouns you are talking about.

A noun is the name of a person, place or thing. For example:

Mr Smith is fun

Mrs Smith is fun

My teachers are fun

Key adjectives	Masculine	Feminine	Masculine Plural	Feminine Plural

Say what days of the week I study different subjects. Infinitive verbs

= to study,

Remember that an infinitive verb is the verb in the 'to' form before it has been changed.

Infinitive verbs end in AR, ER or IR

Examples are

= to do,

= to live.

Conjugating regular verbs that end in AR in the present tense. Reminder: conjugating a verb means that you are taking its infinitive form (verbs that end in AR, ER, IR) and changing it to I, you, we and to a particular tense (To change a verb that ends in AR to the present tense, use the following process: 1.Take the ending off to form the **stem**.

For example, change

2. Choose the correct ending according to the person you are talking about. For AR verbs, the present tense endings are as follows:

Pronoun	Present tense AR verb ending
1	
You	
He/she	
We	
You plural	
They	

Estudiar (to live) is a regular AR infinitive verb.

Estudiar (to live)

Spanish	English
Estudi o	l study
Estudias	You study
Estudia	He/she/it studies
Estudi amos	We study
Estudi áis	You plural study
Estudi an	They study

Remember in Spanish the endings of verbs tell you what the tense is and the person you are talking about.

Day of the week	Verb	Noun
Los lunes = on Mondays Los martes = on Tuesdays Los miércoles = On Wednesdays Los jueves = On Thursdays Los viernes = On Fridays Los sábados = On Saturdays Los domingos = On sundays	estudio = I study estudias = you study estudiamos = we study	alemán = German dibujo = art español = Spanish francés = French inglés = English teatro = drama biología = biology educación física = PE geografía = geography historia = history informática = ICT música = music química = chemistry religión = RE ciencias = science matemáticas = maths

Days of the week:

Remember that days of the week do not take a capital letter in Spanish.

lunes	Monday
martes	Tuesday
miércoles	Wednesday
jueves	Thursday
viernes	Friday
sábado	Saturday
domingo	Sunday





Estudiar (to live) is a regular AR infinitive verb.

Estudiar (to

Spanish	English
	l study You study He/she/it studies
	We study You plural study They study

Remember in Spanish the endings of verbs tell you what the tense is and the person you are talking about.

Day of the week	Verb	Noun
		= German
= on Mondays		= art
	= I study	= Spanish
= on Tuesdays		= French
	= you study	= English
= On Wednesdays		= drama
		= biology
= On Thursdays	= we study	= PE
= On Fridays		= geography = history
- Off Fridays		= Instory = ICT
= On Saturdays		= music
on outer days		= chemistry
		= RE
= On sundays		= science
		= maths

Days of the week:

Remember that days of the week do not take a capital letter in Spanish.

Monday

Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday



Recap: Infinitive verbs

An infinitive verb is the verb in the 'to' form before it has been changed. Infinitive verbs end in AR, ER or IR

AR	ER	IR
Hablar = to speak	Hacer = to do	Salir = to go out
Jugar = to play	Ser = to be	Ir = to go
Bailar = to dance	Ver = to watch	
Escuchar = to		
listen		

Conjugating the AR verbs in the present tense.

To change a verb that ends in AR to the present tense, use the following process:

- Remove the AR to form the stem. For example, change hablar (to talk) to habl
- Choose the correct ending according to the person you are talking about . For AR verbs, the present tense endings are as follows:

English Pronoun	Present Tense AR verb ending	Spanish	English meaning
I	0	Hablo	I talk
You	as	Hablas	You talk
We	amos	Hablamos	We talk

In Spanish **the ending of the verb** tells you **who** you are talking about.

Other regular AR verbs are: Escuchar = to listen Bailar = to dance



Recap:	verbs		
An	verb is the verb in the 'to' form		
before it has	been changed.		
Infinitive ver	bs end in, or		

На	iblar =	Hacer =	Salir =
Ju	gar =	Ser =	Ir =
Ba	ilar =	Ver =	
Es	cuchar =		

Conjugating the AR verbs in the present tense.

To change a verb that ends in AR to the present tense, use the following process:

- Remove the AR to form the stem. For example, change _____ (to talk) to habl
- Choose the correct ending according to the person you are talking about . For ____ verbs, the _____ tense endings are as follows:

English Pronoun	Present Tense AR verb ending	Spanish	English meaning

In Spanish **the ending of the verb** tells you **who** you are talking about.

Other regular AR verbs are: _____= to listen _____= to dance



Conjugating the ER verbs in the present tense.

To change a verb that ends in ER to the present tense, use the following process:

- Remove the ER to form the stem. For example, change comer (to watch) to com
- Choose the correct ending according to the person you are talking about . For ER verbs, the present tense endings are as follows:

English Pronoun	Present Tense ER verb ending	Spanish	English meaning
I	0	Como	l eat
You	es	Comes	You eat
We	emos	Comemos	We eat

Conjugating the IR verbs in the present tense.

To change a verb that ends in IR to the present tense, use the following process:

- 1. Remove the IR to form the stem. For example, change vivir (to live) to viv
- Choose the correct ending according to the person you are talking about. For IR verbs, the present tense endings are as follows:

English Pronoun	Present Tense ER verb ending	Spanish	English meaning
1	0	Vivo	I live
You	es	Vives	You live
We	emos	Vivimos	We live

the ER verbs in the

present tense.

To change a verb that ends in ER to the present tense, use the following process:

- Remove the ER to form the _____. For example, change _____ (to watch) to com
- Choose the correct ending according to the person you are talking about . For _____ verbs, the present tense ______ are as follows:

English Pronoun	Present Tense ER verb ending	Spanish	English meaning

Conjugating the ____ verbs in the present tense.

To change a verb that ends in IR to the present tense, use the following process:

- Remove the IR to form the _____. For example, change vivir (to _____) to _____
- Choose the correct ending according to the person you are talking about. For IR verbs, the _____ tense endings are as follows:

English Pronoun	Present Tense ER verb ending	Spanish	English meaning

JUGAR (to play) HACER (to do) in the present tense.

Jugar = to play. This is used for sports with a ball.

Juego	l play
Juegas	You play
Jugamos	We play

You then use the correct form of jugar, such as 'juego' and then add the sport.

For masculine sports, change **el** to **al.** For example, el fútbol is football. Juego **al** fútbol = I play football.

This is an irregular verb, so there are no rules with endings. It has to be fully learned using the table to the right.

This verb is used for **sports without a ball**.

Hago	l do
Haces	You do
Hacemos	We do

You then use the correct form of hacer, such as 'hago' and then add the sport.

For example: hago natación (I do swimming).



JUGAR () HACER () in the present tense.	
Jugar = This is	s used for sports with a
	l play
	You play
We play	
You then use the correct form of, such as 'juego' and then add the sport.	

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This verb is used for _____ without a ball.

I do
You do
We do

You then use the correct form of _____, such as '____' and then add the sport.

For example: hago _____ (I do swimming).



Talking about the weather in Spanish

When talking about the weather and seasons in Spanish there are two main verbs used:

- hacer -to do / to make
- hay there is / there are

Hacer is the verb most commonly used.

When using **hacer** to describe the weather the verb changes to 'hace'.

The literal translation of hace is 'it makes'. For example,

Hace calor means, literally "it makes heat" or "it does heat", but in English it sounds more sensible to say "it is hot".

Here are some examples of when you can use hace:

Spanish	English
hace buen tiempo	it is nice weather
hace calor	it is hot
hace fresco	it is cool
hace sol	it is sunny
hace frío	it is cold

The silent 'h'

In Spanish, 'h' isn't pronounced.

Instead it is silent, so it's important to remember to emphasise the first vowel sound after the silent 'h'.

For example, when you say

hace (it is), the emphasis should be on the 'a'.

The seasons

The weather in Spain can differ depending on which part you are visiting.

In Winter it's usually very cold, and in Summer it's usually very hot. Take a look at the Spanish words for the seasons below:

Spanish	English
primavera	Spring
verano	Summer
otoño	Autumn
invierno	Winter

Talking about the weather in Spanish

When talking about the weather and seasons in Spanish there are two main _____ used:

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- hay there is / _____

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	it is hot
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Spanish	English
	Spring
	Summer
	Autumn
	Winter

Talking about what you do according to the weather

Cuando = when

Hace sol = it is sunny

Therefore, you can add your activity at the end of the sentence. For example, cuando hace sol juego al fútbol (when it is sunny I play football).

See table below for other examples:

<mark>Cuando</mark> (When)	llueve (it rains)	juego al fútbol (I play football)
	hace sol (it is sunny)	juego al golf (I play golf)
	hace buen tiempo (it is nice weather)	juego al tenis (I play tennis)
	hace calor (it is hot)	hago natación (I do swimming)
	hace frío (it is cold)	hago patinaje sobre hielo (I do ice-skating)

Opinions

Porque = because Es = it is divertido = fun fantástico = fantastic genial = great super guay = super cool interesante = interesting cansado = tiring aburrido = boring basura = rubbish So, porque es divertido = because it is fun



Talking about what you do according to the weather

Cuando =

Hace sol =

Therefore, you can add your activity at the end of the sentence. For example,

(when <mark>it is sunny</mark> l play

football).

Cu

See table below for other examples:

uando)	(it rains)	(I play football)
	(it is sunny)	(I play golf)
	(it is nice weather)	(I play tennis)
	(it is hot)	(I do swimming)
	(it is cold)	
		(I do ice-skating)

Opinions

Porque =

Es =

- = fun
- = fantastic
- = great
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- = tiring
- = boring
- = rubbish
 - = because it is fun



Music



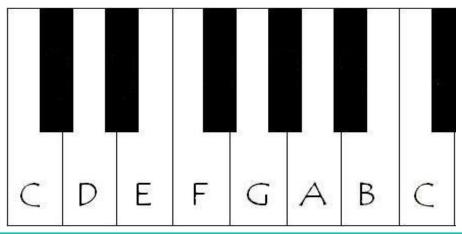
Helping every person achieve things they never thought they could.



Key Terminology

1	Pitch	How high or low a note/ sound is		
2	Dynamics How loud or quiet a note/sound is.			
3	Тетро	How fast or slow a piece of music is.		
4	Structure	How a piece of music is organised into sections		
5	Rhythm	A combination of short or long notes played one after an another		
6	Timbre The sound different instruments make			
7	Texture	How many instruments are playing together e.g. thin texture (not many) or a thick texture (many instruments)		
8	Major	If in a major key the music will usually sound uplifting and happy		
9	Minor	If in a minor key the music will usually sound sad and unhappy		

Notes of the Keyboard



Duration of Notes

	Note	Name	Beats
	0	Semi Breve	4 beats
Treble Clef	0	Minim	2 beats
		Crotchet	1 beat
		Quaver	1⁄2 beat
		Semi Quaver	1⁄4 beat
		Treble Clef Pito	<u>h</u>
	-	C E G B D	F



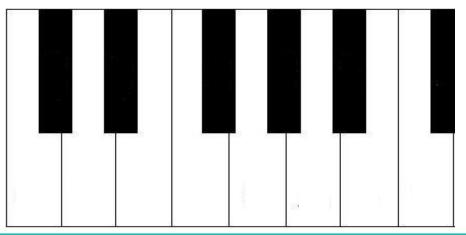


Duration of Notes

Key Terminology

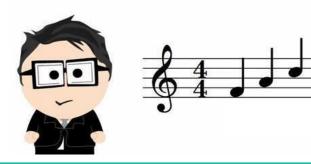
1	Pitch	
2	Dynamics	
3	Тетро	
4	Structure	
5	Rhythm	
6	Timbre	
7	Texture	
8	Major	
9	Minor	

Notes of the Keyboard



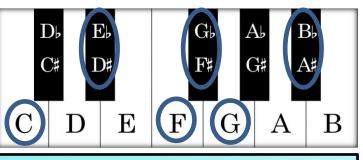
	Note	Name	Beats
	0		
Treble Clef	0		
	A		



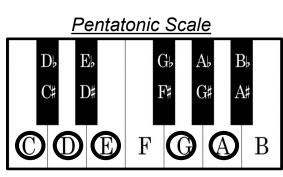


1	Pentatonic Scale	A scale using only five notes		
2	Improvisation	Making music up on the spot		
3	Blues	The Blues originated by African Americans in the USA around the end of the 19 th century. The genre has its roots in African musical traditions, and African-American work songs.		
4	Bassline	The musical part which sits at the bottom of the texture.		
5	Chord	Two or more notes played simultaneously on a piano or guitar.		

Blues Scale



The Blues scale is a very specific scale used in the blues style of Music. It consists of the notes C Eb F Gb G Bb. When played it has a very cool sound which is suitable for blues and improvisation.





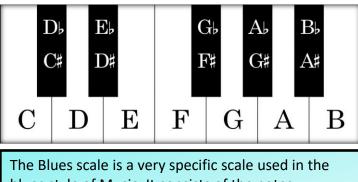
The Pentatonic Scale

A pentatonic scale uses 5 notes in its scale. This means that only 5 notes are played in the melody of the music. This scale has been developed by many ancient civilisations and is still used today particularly in traditional Chinese Music Historical documents and archaeology tell us that Chinese music is thousands of years old. There are many traditional instruments. The **erhu** or Chinese violin is a bowed string instrument The **guzheng**, also known as a Chinese **zither**, is a plucked string instrument The **dizi** is a bamboo flute

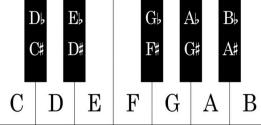
A gong is a flat, circular metal percussion instrument which is hit with a mallet.

1	Pentatonic Scale	
2	Improvisation	
3	Blues	
4	Bassline	
5	Chord	

<u>Blues Scale</u>



<u>Pentatonic Scale</u>





The Pentatonic Scale

A pentatonic scale uses _____ notes in its scale. This means that only ______notes are played in the melody of the music. This scale has been developed by many ancient civilisations and is still used today particularly in traditional Chinese Music Historical documents and archaeology tell us that Chinese music is thousands of years old. There are many traditional instruments. The _____ or Chinese violin is a bowed string instrument The _____, also known as a Chinese _____, is a plucked string instrument The _____ is a bamboo flute

_____ is a flat, circular metal percussion instrument which is hit with a mallet.

KEY IDEAS & CONCEPTS

Purpose	Music in a film is there to set the scene, enhance the mood, tell the audience things that the visuals cannot, or manipulate their feelings. Sound effects are <i>not</i> music!
Specially composed music	Some music is composed specially for a film. Much of this is broadly classical in style.
Borrowed music	Some music used in film soundtracks was composed for other (non-film) <u>purposes</u> , <u>but</u> is adopted for use in a film because it fits the film-maker's intentions.
Theme song	Sometimes a song, usually a pop song, is used as a theme song for a film. This helps with marketing and publicity .



INSTRUMENTS & CO	MMON ASSOCIATIONS (Musical Cliché's)	
Woodwind	Natural sounds such as bird song, animals, rivers	
Bassoons	Sometimes used for comic effect (e.g. a drunkard)	
Brass	Soldiers, war, royalty, ceremonial occasions	
Tuba	Large and slow-moving things	
Harp	Tenderness, love	
Glockenspiel	Magic, music boxes, fairy tales	
Timpani / Drums	War, fighting, thunder	
Strings	Often used to portray emotions : passion, grief, etc.	
Tremolo Strings	Tension, fear, drama	

KEY TERMS		
Click Track	A click metronome heard by musicians through headphones as they record.	KEY COMPOSERS
Cues	The parts of the film that require music . This is agreed between the director and the composer.	Bernard Herrmann John Williams
Diagetic	Music that is part of the action: the characters in the film can hear it.	John Barry
Leitmotif	A short melody that is associated with a character or idea in a film.	Jerry Goldsmith
Mickey MousingWhen the music fits precisely with a specific part of the action in a film.		Hans Zimmer James Horner
Non-diagetic	Music that is <i>not</i> part of the action: the characters in the film cannot hear it. It is just for the audience.	Danny Elfman
Syncing / sync point	A precise moment where the timing of the music needs to fit with the action.	Alan Silvestri Howard Shore
Underscore	Where music is played at the same time as the action or dialogue.	

MUSICAL ELEMENTS & COMMON ASSOCIATIONS (Musical Cliché's)		
Tempo	Fast	Excitement, action or fast-moving things (e.g. a chase scene)
	Slow	Contemplation, rest or slow-moving things (e.g. a funeral procession)
	Ascending	Upward movement, or a feeling of hope (e.g. climbing a mountain)
Melody	Descending	Downward movement, or feeling of despair (e.g. movement down a hill)
	Large Leaps	Distorted or grotesque things (e.g. a monster)
	Major	Happiness, optimism , success
Harmony	Minor	Sadness, seriousness (e.g. a character learns of a loved one's death)
	Dissonant	Scariness, pain, mental anguish (e.g. a murderer appears)
	Strong sense of pulse	Purposefulness, action (e.g. preparations for a battle)
Rhythm	Dance-like rhythms	Playfulness, dancing, partying (e.g. a medieval feast)
& Metre	Irregular rhythms	Excitement, unpredictability (e.g. a fast-moving fight)
	Rhythmic ostinato	Menace, tension (e.g. the countdown to an invasion)
	Loud	Surprise, power, large things (e.g. a vast panorama)
Dynamics	Soft	Gentleness, weakness, intimacy, small things (e.g. a new-born lamb)

Crescendo / Diminuendo Objects or events getting closer / objects getting further away

Y	Year 7 Music:			INSTRUMENTS & COM	IMON ASSOCIATIONS (Musical Cliché's)		
	KEY	IDEAS & CONCEPTS	5				
				-			
N	IUSICA	L LEMENTS & COMMON A	QSOCIATIONS (Musical Cliché's)]			
⊢					KEY TERMS		KEY COMPOSERS





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Year 7 PE: Football

Motor Competence

Passing	Accuracy, weight of pass
Receiving	Get in line, cushion
Dribbling	Little touches
Possession	Back foot
Outwitting an opponent	1v1, one - two
Defending	Jockeying, touch tight
Shooting	Placement
Game play	Basic rules





Muscles

Fitness components

A goal kick

A corner kick

Restarting

Free kick

Throw in

Rules, Strategies and Tactics

Occurs when the attacking team has the last touch before
the ball goes behind the goal line. Any player can then pass
the ball from the six yard box.

Occurs when the defending team has the last touch before the ball goes behind the goal line. Any player can then pass the ball from the corner of the goal and side line. The corner ball must be placed in the quadrant.

The game after a goal is scored from the halfway line.

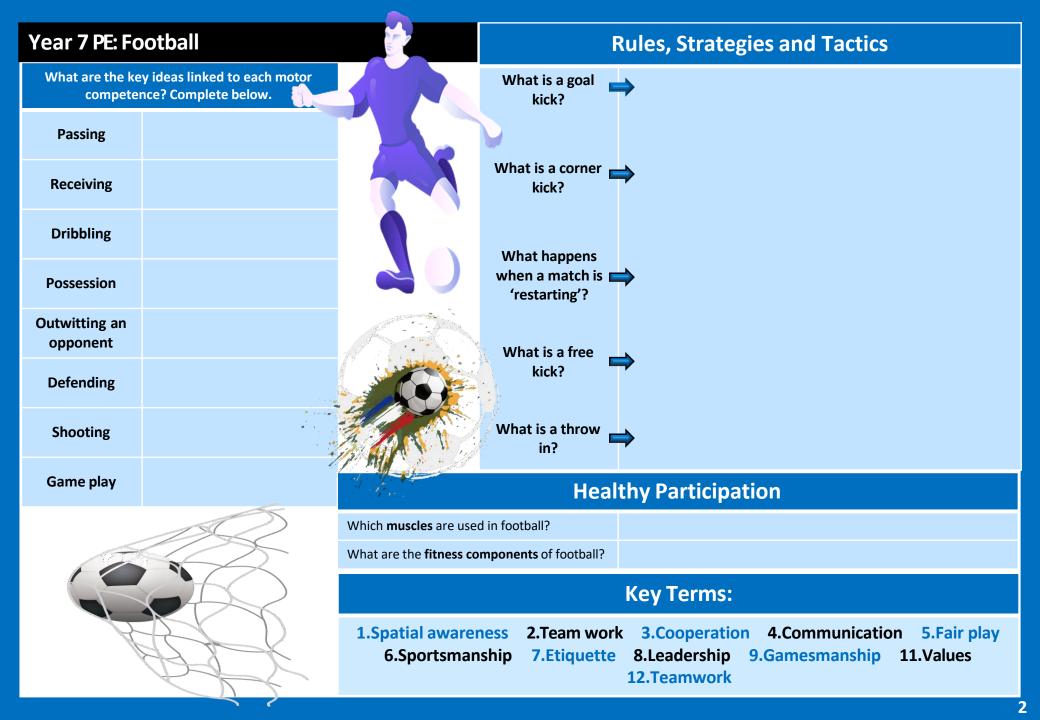
When a player makes contact or handles the ball a foul is committed and the ball will be restarted with a free kick. A goalkeeper can only handle the ball in their penalty area.

If the ball goes over the side lines of the pitch, the team who touches the ball last will give away a throw in to the other team. The throw in must be taken from the point it goes out of play.

Healthy Participation Gluteal, hamstrings, quadriceps, gastrocnemius Foot eye coordination, pace, speed, stamina.

Key Terms:

1.Spatial awareness 2.Team work 3.Cooperation 4.Communication 5.Fair play 6.Sportsmanship 7.Etiquette 8.Leadership 9.Gamesmanship 11.Values 12.Teamwork



Year 7 PE: Fitness

rear / PE: Filness							
Muscular strength	The amount of force you can put out or the amount of weight you can lift.						
Muscular Endurance	Perform exercises to failure so that you improve your muscular endurance.	Healthy Participation					
Speed	Moving your body fast as possible	Muscles commonly used in the lesson:					
Agility	Changing direction rapidly, whilst maintaining speed and precision.	Gluteal					
Flexibility	A joint or series of joints to move through an unrestricted, pain free range of motion.	Hamstrings					
Balance	Even distribution of weight enabling someone or something to remain upright and steady.	Quadriceps					
Coordination	Throw with one hand, catch with the other.	Gastrocnemius					
Reaction time	How fast an athlete is able to respond to a stimulus.	Abdominals					
Cardiovascular Fitness	To exercise the whole body for long periods						
Rules, Strategies and Tactics							

All of the movements completed to improve agility and speed must use the correct technique as this would stop any injuries or muscular injuries occurring.

All participants must have warmed up their muscles before completing flexibility and balance skills as if not muscles can easily be torn or damaged.

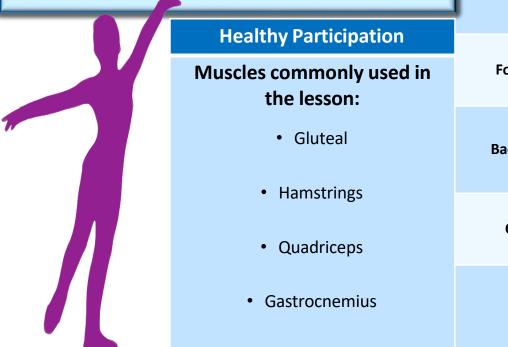
Year 7 PE: Fitness							
Mot	Motor Competence- define the terms below.						
Muscular strength							
Muscular Endurance		Healthy Participation					
Speed		Muscles commonly used in the lesson:					
Agility		•					
Flexibility		•					
Balance							
Coordination							
Reaction time		•					
Cardiovascular Fitness							
Rules, Strategies and Tactics							
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Year 7 PE: Aesthetic Movement

Rules, Strategies and Tactics

Students must start each movement with their arms **tretched** and extended up by the side of their head with their fingers extended. When they finish the movement they also must finish in the same manner.

Students must link up the parkour movements in which they are able to perform. This means that they may choose what order they place movements in so that the sequence flows in a smooth manner. Students must make sure that the way they perform each movement is precise as this will stop them not being able to clear any obstacles.



Motor Competence

0	Balance	Weight evenly distributed based on different points of contact.		
	One point of contact balance	One body part touching the floor		
	Contact balance	Two body parts touching the floor		
	Four point of contact balance	Four body parts touching the floor		
	Forwards roll	Feet together, drop head and tuck in chin, follow the curve of your spine.		
	Backwards roll	Squat position, bend arms close to body, keep knees tucked to chest. Use momentum to roll backwards quickly and push up with shoulders.		
	Cartwheel	Kick forward, use momentum to rotate on both hands, put legs into V shape, bring hand and leg down on opposite side		
	Roundoff	Gather speed, lunge and place both hands on the ground, propel body with one leg, rotate body on hands 180 degrees		

Year 7 PE: Aesthetic Movement

Rules, Strategies and Tactics

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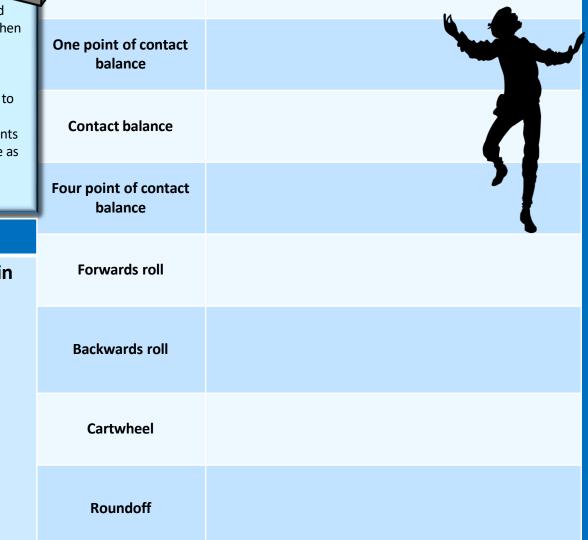
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Healthy Participation

Muscles commonly used in the lesson:

Motor Competence- define he key terms below:





Rules, Strategies and Tactics

Warm up - Dynamic and static stretching. Hold stretches for 8-10 seconds.

Agility - move with speed and push off using your feet to move in and out.

Power - start low and extend up and out throwing your arms forward and land with bending legs.

Coordination - start off slow then speed up when you have a rhythm. Take a full catch and aim on the wall around chest height.

Cool down - low intense activity and stretching for 10-12 seconds.

Movement deciding on which way to move to get there in the quickest time

Stamina - starting of slow then building up your pace.

Speed - run through the finish line.

Attacking - Protect the ball from the opponent. Ability to fake, tease your opponent.

Defending - Use your body to protect. Close down, choosing the right moment to tackle



Motor competence

Three stage of a warmup - pulse raiser, Stretching (static and dynamic)

Agility - Illinois agility test

Power - a standing long jump

Coordination - wall toss, students will have 30 seconds to throw and catch the ball with one hand

Cool down - low intense activity including light jogging and movement.

Stretches of legs, arms and trunk.

Healthy participation

Three stages of a warm up pulse raiser, stretches, activity based practice. What happened to the body - rise in temperature, heart rate and breathing rate. Main muscles used, hamstrings, gastrocnemius, quadriceps, gluteals, pectorals, abdominals, bicep and tricep.

- Agility how quickly you can change direction whilst maintaining speed.
- Power speed x strength.
- Coordination (hand/foot to eye) moving two or more body parts at the same time effectively.
- Mental health exercise is a break from normal activity, reduces stress, makes you feel good and improves self confidence.
- Physical health improved fitness levels, improved body shape and size. Links to diet and sleep.
- Cool down reduces muscles aches and pains, reduces injury, helps your revolver, allows breathing rate and heart rate to return to normal quicker. Repay oxygen debt and the removal of lactic acid.

Year 7 PE: Games for understanding

Rules, Strategies and Tactics

Warm up –
Agility –
Power –
Coordination –
Stamina –
Attacking –
Defending –



Motor competence

Three stage of a warmup - pulse raiser, Stretching (static and dynamic)

Agility -

Power -

Coordination –

Cool down -

Healthy participation

Three stages of a warm up -

based practice. What happened to the body - rise in temperature, heart rate and breathing rate. Main muscles used,

- Agility –
- Power -
- Coordination
- Mental health –
- Physical health –
- Cool down –

Motor Competence

Running - 100m and 200m - Standing our crouched starts. Stay in your lane. Tall posture, lead with the 'belt buckle'. High knees with stepping action. Accelerate with forward lean from ankle to ears. Big arm action 'hip to lip'.

Running - Relay - when passing over, hold opposite arm back and straight. Start to accelerate facing forward as teammate approaches. Place baton in palm of hand.

Throwing - Javelin - grip using the palm with fingers wrapped around. Throw with pulling action. Side on with dominant arm at the back. Rotate body for power. See it out.

Running - 800m and 1500m - Standing start, move to the inside lanes, steady pace throughout, breathing in through the nose, out through the mouth. Increase of speed at the finish, duck at the line.

Throwing - Discus - grip flat in the palm, wrap fingers around the edge, stand side on with dominant hand at the back. Release from index finger, see it out.

Jumping - Standing long - bend knees, swing arms, fall forwards

Throwing - Shot Putt - Dirty fingers, dirty neck, 'chin-knee-toe' stance. Push and use power from the legs and body. Aim for a 45 degree trajectory. See it out.

Rules, Strategies and Tactics

Running - Fingers must be behind the white line during a sprint start

100&200m - stay in your lane

800&1500m - use inside lanes

Throwing - Only throw and collect when instructed to do so

Throwing - Feet behind the throwing line. Score from where the equipment lands, not where it rolls to

Jumping - score from part of the body that is furthest back



Healthy Participation

Warm up - Involves a pulse raiser and dynamic stretches. Prepares participants physically and mentally. Helps to prevent injury.

Muscles used when running - Quadriceps, hamstrings, gastrocnemius, deltoids, biceps, triceps

Muscles used when throwing - Quadriceps, deltoids, biceps, triceps, trapezius

Muscles used when jumping - Gluteus Maximus, quadriceps, hamstrings, gastrocnemius

Fitness components used during athletics -Cardiovascular endurance, muscular strength & endurance, speed and power

Year 7 PE: Athletics

Motor Competence

Running –

Running –

Throwing –

Running –

Throwing –

Jumping -

Throwing –

Rules, Strategies and Tactics

Running –

100&200m –

800&1500m –

Throwing –

Throwing –

Jumping -



Healthy Participation

Warm up –

Muscles used when running -

Muscles used when throwing –

Muscles used when jumping -

Fitness components used during athletics -

Year 7 PE: Striking and Fielding

Motor Competence

Throwing Technique - underarm for short distances and overarm for long distances, see it out

Catching technique - See it in, cupped hands, fingers pointed up and thumbs together if above the waist, fingers down and pinkies together if below the waist Long Barrier - get in line, whole body behind the ball, bend knee and twist to the side, fingers pointing down to collect One handed pick up - moving forward, fingers pointing down, collect from front foot

Rounders bowling - knees bent, smooth underarm action, aim between shoulder and hip

Cricket bowling - Seam between index and middle finger, straight arm, release at top of swing

Rounders batting - Hold with one hand, stand side one, keep your eye on the ball and time your swing, aim for the space



Rules, Strategies and Tactics

Flat Bat Rounders: Where should the fielders stand. Can only stump batters out at first base. Where do you go after they have passed that base in order to prevent them from scoring? After first base to get the batter out, they must be touched or hit with the ball. Do you chase them or throw the ball at them to hit them and get them out?

Only score by hitting the ball so contact must be made.

The backstop may hit the batter with the ball, throw to first base fielder to stump them out or to other fielders to hit the batter with the ball to get them out. If the backstop catches the ball when the batter has hit it, the batter is out.

Cricket: Throwing the ball at the correct wickets. Backing up. Required to hit the ball in order to score runs. To catch the ball when missed by the batsman, or when thrown towards him.

Healthy Participation

Pupils to understand the importance of warm ups. Biceps, triceps, deltoid, pectorals, latissimus dorsi, hamstrings, gluteals, quadriceps, gastrocnemius. How exercise improves health and the benefits of being physically active long term. What happens to out body during exercise? - Heart rate increases, breathing deepens, increase in body temp, sweat. Understanding why these things happen and how they Benefit us? Social enjoyment, having fun, learning new skills and improving them. becoming part of a team - teamwork and ultimately representing the school or playing for a team outside of school club links.

Year 7 PE: Striking and Fielding

Motor Competence

Throwing Technique –

Catching technique –

Long Barrier –

One handed pick up –

Rounders bowling -

Cricket bowling –

Rounders batting -



Rules, Strategies and Tactics

Flat Bat Rounders:

Cricket:

Healthy Participatior

Pupils to understand the importance of warm ups. Biceps, triceps, deltoid, pectorals, latissimus dorsi, hamstrings, gluteals, quadriceps, gastrocnemius. How exercise improves health and the benefits of being physically active long term. What happens to out body during exercise?

> Understanding why these things happen and how they Benefit us?

Year 7 PE: Officiating & Fair Play

Whistle

You need to blow your whistle to get the attention of the players

Reason

Explain why you have made that decision with confidence and assertiveness

Etiquette

Polite behaviour in sport. Shaking hands with opponents. Complimenting them if they do something well.

Signal

Use arm signals to give a visual cue of what decision you have made

Restart

Know how to restart the game correctly

Sportsmanship

Applauding opponents when they do something well. Admitting if a foul is made of if the ball is out of play. Playing fair.

Gamesmanship

Bending the rules to gain an advantage. Not classed as cheating.

Year 7 PE: Officiating & Fair Play **Sportsmanship** Whistle Reason Etiquette Signal Gamesmanship Restart

Religious Education



Helping every person achieve things they never thought they could.

Little Lever School be kind | work hard | take responsibility

Year 7 RE: : Introduction

Name of Religion	Place of worship	Holy Book	Symbol	Festival	At no
Buddhism	Vihara	Tripitaka	1	Wesak	
Christianity	Church	Bible	t	Easter	Ag Go
Hinduism	Mandir	Vedas	3	Diwali	н
Islam	Mosque	Qur'an	G	Eid ul Adha	dc fo
Judaism	Synagogue	Torah		Rosh Hashana	C
Sikhism	Gurdwara	Guru Granth Sahib		Vaisakhi	

Key words

theist – someone who does ot believe in God.

gnostic – someone who is unsure of od's existence.

umanist – someone who wants to o what they feel is right but not r religious reasons.

Buddhist monks often live together in a monastery. Many teach about Buddhism and lead meditation in the vihara.

Christian leaders are given different names depending on the denomination (group) they belong to. For example, **Roman Catholics have** priests, whereas the Church of England have vicars.

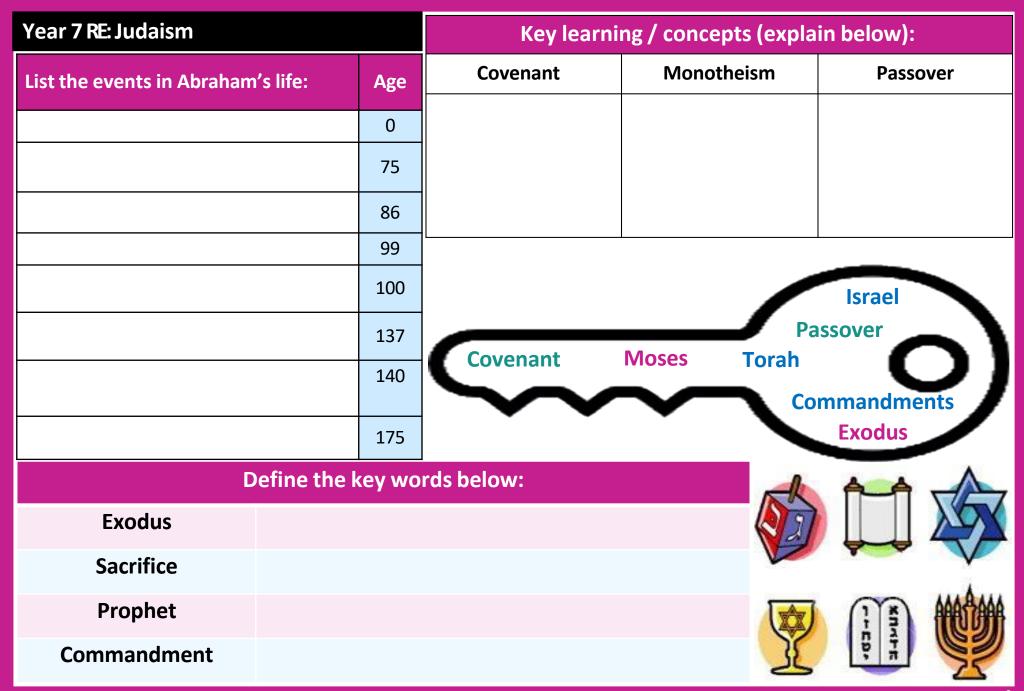
- A pujari leads worship in • a mandir.
- A rabbi teaches Jews • about religious laws.
- An **imam** leads the 5 daily prayers • in the mosque.



Christian: 46.2%

Year 7 RE: : Introduction Key words							
Name of Religion	Place of worship	Holy Book	Symbol	Festival	What is an	atheist?	
Buddhism			-		What is an	agnostic?	
Christianity			t		what is an		
Hinduism			3		What is a l	humanist?	
Islam			G				
Judaism			(\mathbf{x})		(* 9	Describe how Buddhist	
Sikhism						monks live and teach:	
• A pujari lea	ds:		RELIG		tian: 46.2% No answer: 6% Other religion: 0.6%	What are Christian leaders	
• A rabbi tead	ches:		DIVER IN ENG AND W	LAND	Jewish: 0.5% Buddhist: 0.5% Sikh: 0.9% Iu: 1.7%	called?	
• An imam le	ads:	No re	ligion: 37.2%	Mustim: 6.	5%		

Year 7 RE: Judaism			Key learning / concepts			
Events in Abraham's life		Age	Covenant	Monotheism	Passover	
Birth of Abraham		0	An agreement between two		Passover – the Angel of	
God first speaks and move to	o Canaan	75	people	Belief in one God	Death `passed over `Egypt	
Birth of Ismael		86	E.g. God			
Agreement to circumcise		99	and Abraham		(10th Plague)	
Birth of Isaac		100			Israel assover	
Death of Sarah and marriage to Katurah Isaac marries Rebecca		137	Covenant	Moses Torah		
		140	\sim		ommandments Exodus	
Death of Abraham		175			Exotus	
	Key Wo	rd Me	anings			
Exodus	Exodus Escape (from Eg					
Sacrifice	Slaughter	ing an	animal as an offering	g to God	ANA ANA	
Prophet	Prophet An inspired teac			God		
Commandment Religious rule					3	



Year 7 RE: Judaism

A synagogue is the Jewish place of worship. Some Jewish people call it a **shul**. They are also used as a place to study, and often as a community centre as well.

The largest room in a synagogue is likely to be the hall of worship. This is called the **Sanctuary**. Inside the sanctuary, there are various pieces of furniture.

Traditionally, synagogues face towards Jerusalem, the holy city of the Jewish people. In Western parts of the world like the UK, therefore, synagogues usually face east. Seats for the congregation of worshippers face towards the Ark and so also towards Jerusalem.

In Orthodox synagogues, men and women sit separately; sometimes women worship from a raised balcony above the sanctuary. In Reform Judaism, men and women worship together.

	Features inside the synagogue		Description
	Torah Scrolls		The Jewish holy book that explains how people should live their lives.
	Ark		The special box where the Torah Scrolls are kept safe.
	Bimah		The raised platform in the centre of the synagogue where the Torah Scrolls are read from
У	Menorah		The seven branch candle stick that reminds Jews of the lamps in the temple.
	Ner Tamid		The eternal light that never goes out



Year 7 RE: Judaism

A synagogue is the Jewish place of ______. Some Jewish people call it a _____. They are also used as a place to study, and often as a ______ centre as well.

The largest room in a _____ is likely to be the hall of worship. This is called the ______. Inside the sanctuary, there are various _____ of furniture.

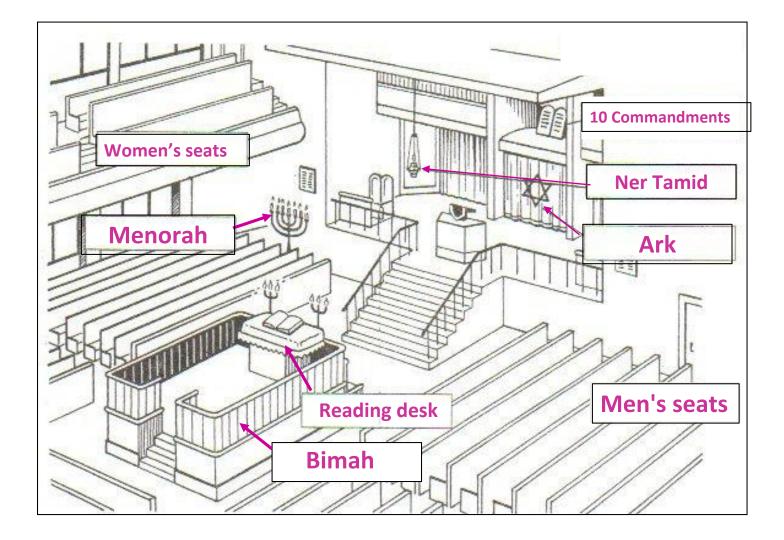
Traditionally, synagogues _____ towards Jerusalem, the holy city of the Jewish people. In ______ parts of the world like the ___, therefore, synagogues usually face _____. Seats for the congregation of worshippers face towards the _____ and so also towards Jerusalem.

In Orthodox synagogues, ____ and women sit separately; sometimes _____ worship from a raised balcony above the sanctuary. In _____ Judaism, men and women worship together.

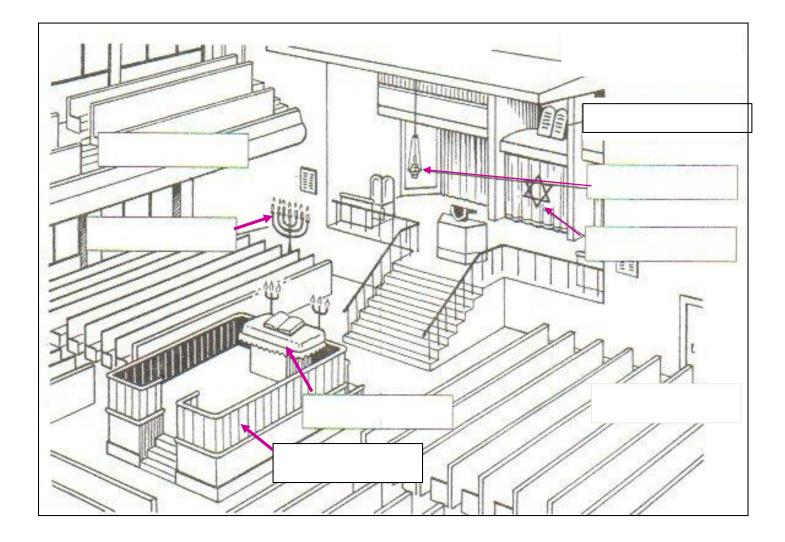
Features inside the synagogue		Description
Torah Scrolls		
Ark		
Bimah		
Menorah	Y	
Ner Tamid		



Year 7 RE: Judaism- The Synagogue



Year 7 RE: Judaism- The Synagogue



Year 7 RE: Judaism- Shabbat



Shabbat is the Jewish rest day. Observing it is a mitzvah and one of the Ten

Commandments.

Shabbat begins before nightfall on Friday and lasts for 25 hours. The mother of the household (or another person over the age or bar mitzvah) lights candles to welcome in the Sabbath and create a special atmosphere. The family share a meal, including special bread and wine. Most Jewish people look forward to Shabbat all week. They see it as God's gift to his chosen people of a day when they take time out from everyday things to feel special.

Shabbat is a time with no television, no rushing to the demands of the telephone or a busy work schedule.

People don't think about work or other stressful things.

It's an oasis of calm, a time of stillness in life.

There are rules about what you can and what you can't do on Shabbat. These rules aren't to stop people from enjoying themselves and having fun. They are to give them the chance to relax and reflect on their life and God's love for them.

Year 7 RE: Judaism- Shabbat



Shabbat is the Jewish _____ day. Observing it is a ______ and one of the Ten

Shabbat begins before nightfall on _____ and lasts for __ hours. The _____of the household (or another person over the age or bar mitzvah) lights _____ to welcome in the Sabbath and create a special _____. The family share a ____, including special bread and _____. Most Jewish people look forward to _____ all week. They see it as God's _____ to his chosen people of a day when they take time out from everyday things to feel _____.

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Year 7 RE: Judaism- Shabbat

Many people tend to think of Shabbat as a day full of things they cannot do. Far from simply being a day of restrictions, a Shabbat observed at home is a day immersed in an atmosphere of rest, relaxation, and rejoicing.



In order to enjoy a Shabbat free of household chores, it is traditional to clean the house before Shabbat and prepare all meals in advance, so that the food only need be warmed up to enjoy it (rather than cooked, which would violate

traditional Shabbat restrictions).







At a time when most of humanity only ate two full meals a day, Jewish tradition called for three meals on Shabbat (between sundown on Friday and just after sundown on Saturday) to ensure that one could relax and celebrate with a full stomach.

Shabbat afternoon is a time reserved for reading, talking, playing board games, visiting friends and family or studying Jewish texts such as the Torah, all activities that people often claim that they never have enough time to do.

Year 7 RE: Judaism- Shabbat

Many people tend to think of Shabbat as a day full of things they _____ do. Far from simply being a day of restrictions, a Shabbat observed at home is a day immersed in an atmosphere of ____, ____, and



In order to enjoy a Shabbat free of household chores, it is traditional to ______ the house before Shabbat and prepare all ______ in advance, so that the food only need be warmed up to enjoy it (rather than _____, which would ______ traditional Shabbat

restrictions).

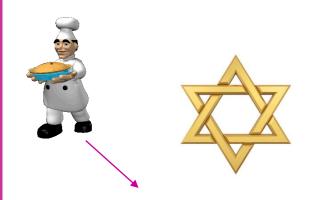




At a time when most of humanity only ate two full meals a day, Jewish tradition called for _____ meals on Shabbat (between ______ on Friday and just after sundown on ______) to ensure that one could ______ and celebrate with a full _____.

Shabbat afternoon is a time reserved for _____, talking, playing board games, visiting friends and family or studying Jewish texts such as the _____, all activities that people often claim that they never have enough _____ to do.

Year 7 RE: Judaism- Shabbat



The first section relates to farming and includes: sowing, ploughing, reaping, binding sheaves, threshing, shearing wool, trapping, slaughtering, curing hide.



The second section relates to cooking: grinding, sifting, kneading, baking, salting meat.

The fourth section relates to work: writing two letters, erasing two letters, building, tearing a building down, hitting with a hammer, taking an object from the private domain to the public, or transporting an object in public.





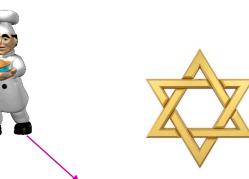
The third section relates to household chores: washing wool, beating wool, dyeing wool, spinning, weaving, making two loops, weaving two threads, separating two threads, tying, untying, sewing two stitches, tearing.

The fifth section relates to light and heat: extinguishing a fire and kindling a fire are not allowed. But what does that mean?

Example: Kindling a Fire

The use of electricity is not allowed because it serves the same function as fire – to light or heat. A car is powered by an engine, which operates by burning petrol, electric and oil, a clear violation of the Torah law against kindling a fire. In addition, the movement of the car would constitute transporting an object in public, another violation of a Torah law, and in all likelihood the car would be used to travel a distance greater than that permitted. For all these reasons, and many more, the use of an vehicle on Shabbat is clearly not permitted.

Year 7 RE: Judaism- Shabbat



The first section relates to farming and includes: _____, ploughing, reaping, binding sheaves, threshing, ______, trapping, _____, curing hide.

The second section relates to _____: grinding, sifting, kneading, _____, salting meat.

The fourth section relates to ____: ____two letters, erasing two letters, building, tearing a building down, hitting with a _____, taking an object from the private domain to the public, or transporting an _____ in public.



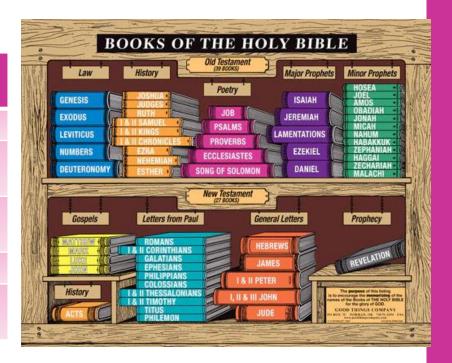


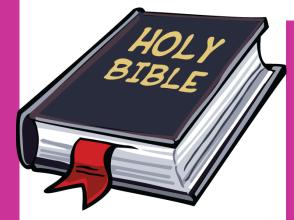
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The use of _______ is not allowed because it serves the same function as fire – to light or heat. A car is powered by an ______, which operates by burning petrol, ______ and oil, a clear violation of the ______ law against kindling a fire. In addition, the movement of the car would constitute _______an object in public, another violation of a Torah law, and in all likelihood the car would be used to travel a distance greater than that permitted. For all these reasons, and many more, the use of an ______ on Shabbat is clearly not

Keywords	
Bible	The holy book of Christians
Old Testament	The first part of the Bible, before the life of Jesus.
New Testament	The second part of the Bible, starting with the birth of Jesus.
Testament	Agreement
Gospels	Meaning 'good news'. The first four books of the New Testament.

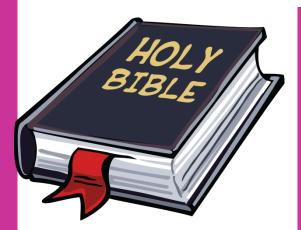




The **Bible** is the holy book of Christianity. It consists of **66** books altogether and is made up of two main parts – the **Old Testament** and the **New Testament**. The word 'testament' means '**agreement**'.

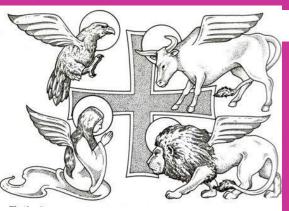
The Old Testament tells of a time before Jesus and contains many stories that are a guide of how Christians believe God wants them to live their lives.

Year 7 RE: Christianity	BOOKS OF THE HOLY BIBLE
Keywords	Law History Old Testament Major Prophets Minor Prophets GENESIS UOSSULA: Poetry ISAIAH LAWOS HOSEA UOBED HANDS HANDS HOSEA UOBED HANDS HANDS HOSEA UOBED HANDS HANDS HANDS HOSEA UOBED HANDS HAN
Bible	NUMBERS
Old Testament	DEUTERONOMY ESTHER SONG OF SOLOMON DANIEL ACCHARIANT
New Testament	Gospels Letters from Paul General Letters HEBREWS HEBREWS HEBREWS REVELATION REVELATION REVELATION REVELATION
Testament	A II THESSALONIANS A II & III JOHN A III A III THONK
Gospels	C TITUS PHILEMON JUDE OF THE STATE OF THE ST



The_____is the holy book of Christianity. It consists of _____books altogether and is made up of two main parts – the ____**Testament** and the **New**_____. The word 'testament' means '_____'.

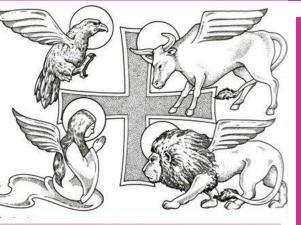
The Old Testament tells of a time _____Jesus and contains many stories that are a ______of how Christians believe _____ wants them to live their _____.



The New Testament begins with the four Gospels. These are called Matthew, Mark, Luke and John. They are all about the life of Jesus. Historically, people believed the Gospels were written by four of Jesus' disciples, but we now know that is very unlikely. However, it is probably true that each writer was able to get some of their information from disciples and others who actually lived during Jesus' time.

The first three Gospels are known as the **SYNOPTIC GOSPELS**, because they have similar stories and styles. All the Gospels also try to spread their own messages.

Why are the Gospels important to Christians? 1. They are accounts of the life and events of Jesus, which have been kept and respected since the first century. 2. These were the books about Jesus that were selected by the early Church when they put the Bible together. 3. They link with other historical evidence about the life and times of Jesus. 4. They are the basis of the Christian religion, recited weekly in church and read regularly by Christians across the world



The New Testament begins with the _____ . These are called ____and ____. They are all about the life of . Historically, people believed the Gospels were written by four of Jesus' disciples, but we now know that is very unlikely. However, it is probably true that each was able to get some of their information from and others who actually lived during Jesus' time. The first three Gospels are known as the _____, because they have stories and . All the

Gospels also try to spread their own

Why are the Gospels important to Christians?

2.

1.

- 3.
- - 4.

Name of the Gospel	Content	Who was it written for?	Style of writing
Mark's Gospel (c.70CE)	Mark writes about Jesus' life from his baptism until his Ascension to heaven, when he told the disciples to go and preach his message to all.	Ordinary people	Mark writes in a simple way, using language we know people spoke at the time.
<section-header></section-header>	Matthew writes about Jesus' birth and childhood, through to his Resurrection. He tried to show how Jesus had fulfilled the Jewish prophecies about the Messiah.	Scholars think Matthew was writing for the early Christians who had been thrown out of Judaism for their beliefs.	This was written in a high standard of Greek, showing the author was educated. He used Marks' Gospel for some information, shared another unknown source (called the Q document) with Luke and had his own unique material (known as M).

Year 7 R	RE: Christi	anity
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Name of the Gospel	Content	Who was it written for?	Style of writing
Mark's Gospel (c.70CE)			
<section-header></section-header>			

Year 7 RE: Christ	Year 7 RE: Christianity				
Name of the Gospel	Content	Who was it written for?	Style of writing		
Luke's Gospel (70-100CE)	Luke starts to write before the birth of Jesus and goes on to describe his birth and life, until his Ascension to heaven. He focuses on the victims of society. Jesus is shown healing people who were looked down upon. He welcomes the rejected and speaks of God's love for those who others may think are unimportant.	Luke seems to write for those who find it hard to believe Jesus' message was for them.	This is the longest of the Gospels and was written by an educated person.		
John's Gospel (90-110CE)The beginning of time. Isus telling one of the disciples, called Peter, to lead the group after his resurrection.		Everyone, but also some scholars believe hie was writing for a certain community, making sure they did not confuse their beliefs.	There is some evidence John knew Mark's Gospel, but he uses a mix of sources, many unique. It includes a 'signs Gospel' about Jesus' miracles – taken as 'signs' that Jesus was divine) and one about Jesus' speeches.		

Year 7 RE: Christianity			
Name of the Gospel	Content	Who was it written for?	Style of writing
Luke's Gospel (70-100CE)			
John's Gospel (90-110CE)			

Science



Helping every person achieve things they never thought they could.



Year 7 Science: Introducing science

Laboratory Rules

- Do not enter the laboratory until told to by a teacher. 1
- When you enter, take out all equipment and store coats and bags in a 2 safe place.
- Wear SAFETY GLASSES for all practical work. 3
- Do not eat or drink in the laboratory. Never put anything in your 4 mouth.
- Do not run in a laboratory. 5
- Follow instructions carefully. 6
- Do not touch equipment, plugs, gas taps and water taps, unless you are 7 using them.
- If you break or spill anything, report it to your teacher **IMMEDIATELY**. 8
- Long hair must be tied back, and loose clothing secured. 9
- Never sit on benches, stools are provided. 10

Hazard Symbols

Caution
Corrosive
Poisonous











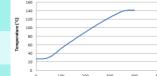
Irritant

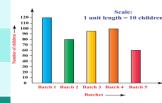
Flammable

Explosive

Plotting graphs and charts

When we plot a graph we put the independent variable on the x-axis (the bottom axis) and the dependent variable on the y-axis (the side axis)





	Comm	on laboratory equipment
	Conical flask	Used when mixing chemicals- the narrow neck prevent liquids splashing out
	Beaker	Used to hold liquids which are being heated
	Pipette	Used to transfer small amounts of liquid from one place to another
	Thermometer	Used to measure the temperature of something.
	Tripod and gauze	Used to hold beakers and other equipment off the table so they can be heated by a Bunsen burner
	Bunsen burner	Bunsen burners are used to heat substances
00	Filter paper	Used to separate solids from liquids
	Petri dish	Used to hold samples of chemicals or living things which we are studying
en	Clamp and retort stand	Used to hold equipment in place
	Test tube	Used to look at small samples of liquids
-	Boiling tube	Used when heating small samples of liquids
	Measuring cylinder	Used measure volumes of liquids

Common Jahoratory equinment

Variables:

Independent – The variable that is purposely changed during an experiment

Dependent – The variable that we measure

Control – Variables that we keep the same

The Bunsen burner

The Bunsen burner is used to heat solids and liquids in a laboratory



Year 7 Science: Introducing science

Laboratory Rules- complete below:

- **1** Do not enter the laboratory until told to by a _____.
- 2 When you enter, take out all equipment and store coats and bags in a safe place.
- **3** Wear ______ for all practical work.
- 4 Do not eat or drink in the laboratory. Never put anything in your mouth.
- **5** Do not _____in a laboratory.
- **6** Follow instructions carefully.
- 7 Do not touch equipment, plugs, gas taps and water taps, unless you are using them.
- 8 If you break or spill anything, report it to your teacher _
- **9** Long hair must be tied back, and loose clothing secured.
- **10** Never sit on benches, stools are provided.

Hazard Symbols- what do they mean?





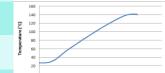


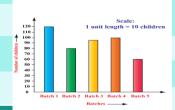




Plotting graphs and charts

When we plot a graph we put the variable on the x-axis (the bottom axis) and the variable on the y-axis (the side axis)





Variables:

_____ – The variable that is purposely changed during an experiment

______ – The variable that we measure

_____ Variables that we keep

the same

Comm	on laboratory equipment
	Used when mixing chemicals- the narrow neck prevent liquids splashing out
	Used to hold liquids which are being heated
	Used to transfer small amounts of liquid from one place to another
	Used to measure the temperature of something.
	Used to hold beakers and other equipment off the table so they can be heated by a Bunsen burner
	Bunsen burners are used to heat substances
	Used to separate solids from liquids
	Used to hold samples of chemicals or living things which we are studying
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The Bunsen burner The Bunsen burner is used to heat solids and liquids in

a laboratory



Key Vocabulary

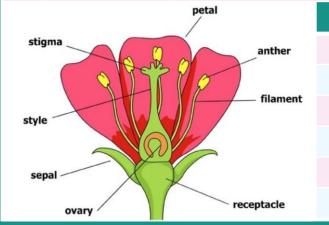
1	Organelle	A part of a cell such as a nucleus.	
2	Cell	The unit of a living organism which contains parts to carry out life processes	
3	Tissue	A group of similar types of cells working together	HIG
4	Organ	A group of different tissues working together to carry out a specific role	OB
5	Root hair cell	Hair like projections to increase the surface area	I
6	Xylem cell	Dead cells, cell walls toughened by lignin, water flows in one direction	PC OBJ
7	Phloem cell	Living cells have end plates with holes, glucose moves in both directions	STAC
8	Sperm cell	Streamlined with a long tail acrosome containing enzymes large number of mitochondria	MI
9	Muscle cell	Contains a large number of mitochondria	
10	Nerve cell	Long branched connections and insulating sheath	

EYEPIECE COARSE ADJUSTMENT H POWER IECTIVE LENS FINE ADJUSTMENT - ARM OW WER ECTIV STACE CLIPS ENS DIAPHRAGM RO BASE

Microscope Diagram

To use a microscope to look at a specimen:

- 1. Clip the slide carefully onto the stage.
- 2. Ensure the lowest-powered objective lens is over the slide
- Use the coarse adjustment knob to bring the stage up just below the lens
- 4. Look down the eyepiece and gradually move the stage downwards using the coarse adjustment knob. Stop when the image is roughly in focus.
- 5. To bring the image into focus, adjust the fine adjustment knob until a clear image is obtained.
- To observe the image with a higher modification, change the objective lens to a higher power and readjust the stage using coarse and fine adjustment knobs.



Structure	Description
Sepal	Protects unopened flower
Petals	Brightly coloured in insect-pollinated flowers to attract insects
Anther	Produces and releases the male sex cell
Stigma	Top of the female part of the flower which collects pollen grains
Ovary	Produces the female sex cell (ovum)
Ovule	Contains the female sex cells (found inside the ovary)

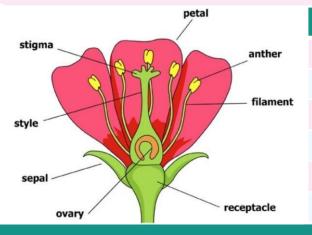
Pollination- is the act of transferring pollen grains from the male anther of a flower to the female stigma. This then allows fertilisation to take place.



Key Vocabulary- complete the definitions below:

1	Organelle	A part of a cell such as a nucleus.	×10
2	Cell		
3	Tissue		
4	Organ		
5	Root hair cell		
6	Xylem cell		
7	Phloem cell		
8	Sperm cell		
9	Muscle cell		

10 Nerve cell



Structure	Description- complete below:	Pollination- is the
Sepal		act of pollen grains from
Petals		the male anther of a flower to the female
Anther		stigma. This then
Stigma		allows <u>to</u> to take place.
Ovary		\sim
Ovule		

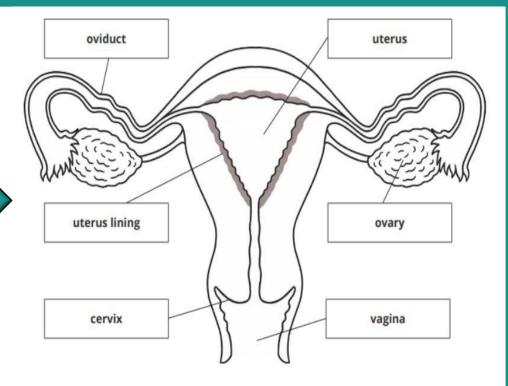
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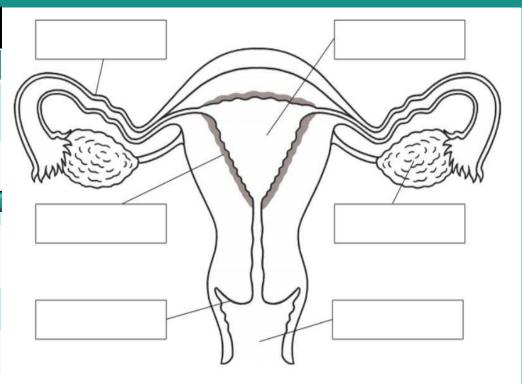
Female Reproductive Organs

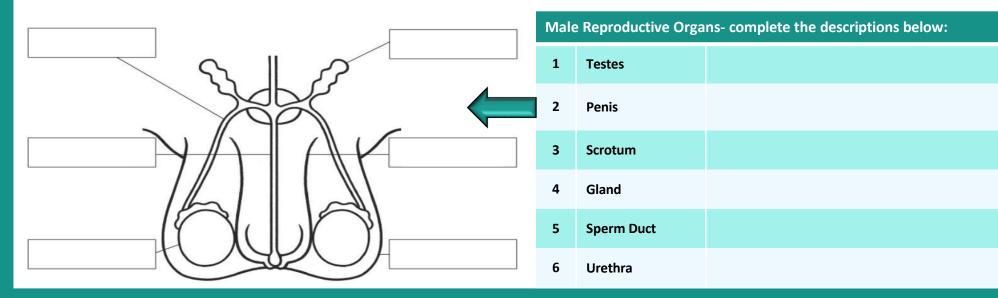
1	Ovary	Contains thousands of undeveloped egg cells. Every month, after puberty, an egg cell matures and is released.
2	Oviduct or fallopian tube	Carries egg cells from the ovaries to the uterus and is where fertilisation occurs
3	Uterus, or womb	Where the baby develops during pregnancy
4	Uterus lining	A blood-rich layer of tissue in which an embryo implants. This tissue is lost each month during menstruation
5	Vagina	A muscular tube that leads from the cervix to the outside of the body.
6	Cervix	A ring of muscle at the lower end of the uterus. This keeps the baby in place during pregnancy



	Male	Reproductive Orga	ns
sperm duct gland	1	Testes	Produces sperm cells and releases the male sex hormone testosterone
	2	Penis	Allows urine and semen to pass out of the man's body
urethra	3	Scrotum	A bag of skin that contains the testes.
	4	Gland	Produces fluids that mix with sperm cells to make semen.
	5	Sperm Duct	Carries sperm cells from the testes to the urethra.
testis	6	Urethra	A tube that carries urine and semen. It has a ring of muscle to keep these separate

Female Reproductive Organs- what is the name of each part?								
1		Contains thousands of undeveloped egg cells. Every month, after puberty, an egg cell matures and is released.						
2		Carries egg cells from the ovaries to the uterus and is where fertilisation occurs						
3		Where the baby develops during pregnancy						
4		A blood-rich layer of tissue in which an embryo implants. This tissue is lost each month during menstruation						
5		A muscular tube that leads from the cervix to the outside of the body.						
6		A ring of muscle at the lower end of the uterus. This keeps the baby in place during pregnancy						





The menstrual cycle

Day 1	Bleeding starts as the lining of the uterus breaks down and passes out of the vagina- this is what's known as a period.
Day 4	The lining of the uterus starts to build up again. It thickens into a spongy layer full of blood vessels ready for implantation.
Day 14	An egg is release from the ovaries of the female so this is the MOST LIKELY time in which a female may become pregnant, whilst the egg travels along the oviduct
Day 28	The wall remains thick, awaiting the arrival of a fertilised egg. If this doesn't happen then this lining breaks down passing out of the vagina, then the whole cycle starts again.

Fertilisation:

The male **gametes** (sex cells) are contained in the pollen grains produced in the anther.

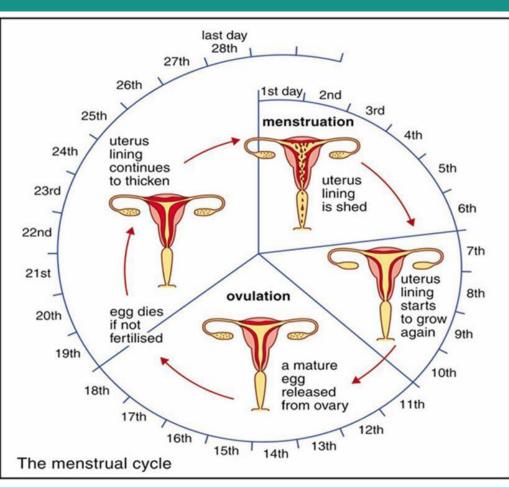
The female gametes (egg cells or ovum) are produced in the ovule found in the ovary.

In plants, fertilisation occurs **when the pollen grain nucleus fuses with the ovum** (egg cell) nucleus.

To reach the egg cell, the pollen grain grows a pollen tube down the style, towards the ovary.

After fertilisation, the ovule (that contains the fertilised egg cell) develops into the seed.

The parts of the flower surrounding the ovule (mainly the ovary walls) develop into the fruit, which contains the seeds.



Variation

Some variation is from characteristics that people have inherited from their parents, such as their eye colour. This is known as **inherited variation.**

Variation caused by your surroundings and what happens to you is called **environmental variation.**

The menstrual cycle- complete below:

Day 1	
Day 4	
Day 14	
Day 28	

Fertilisation:

The male _____(sex cells) are contained in the pollen grains produced in the _____.

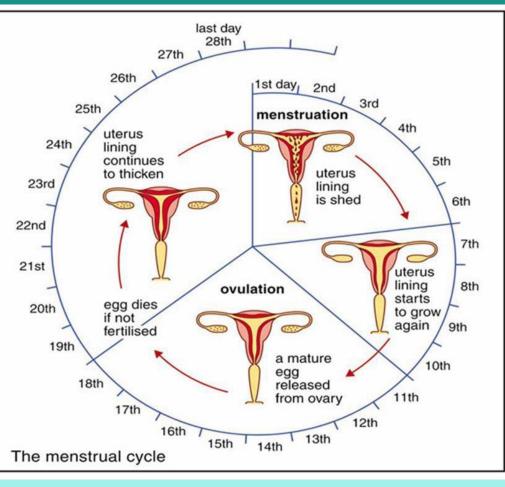
The female gametes (egg cells or _____) are produced in the ovule found in the _____.

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```
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down the _____, towards the ovary.
```

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Variation

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Variation caused by your is called	and what happens to you

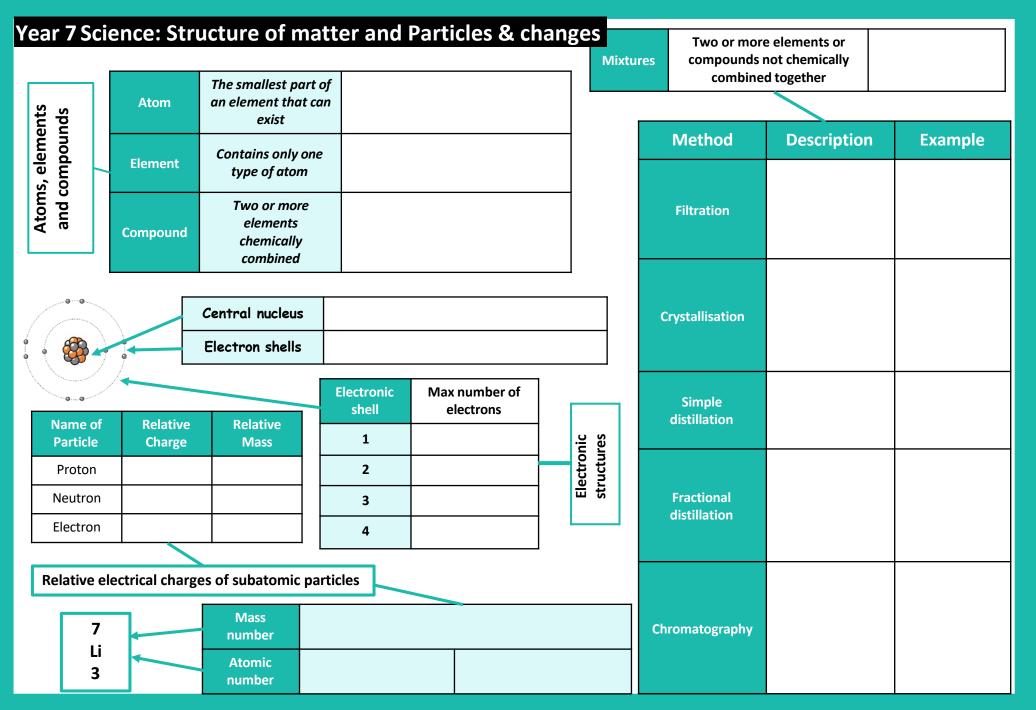
Year 7 Science: Structure of matter and Particles & changes

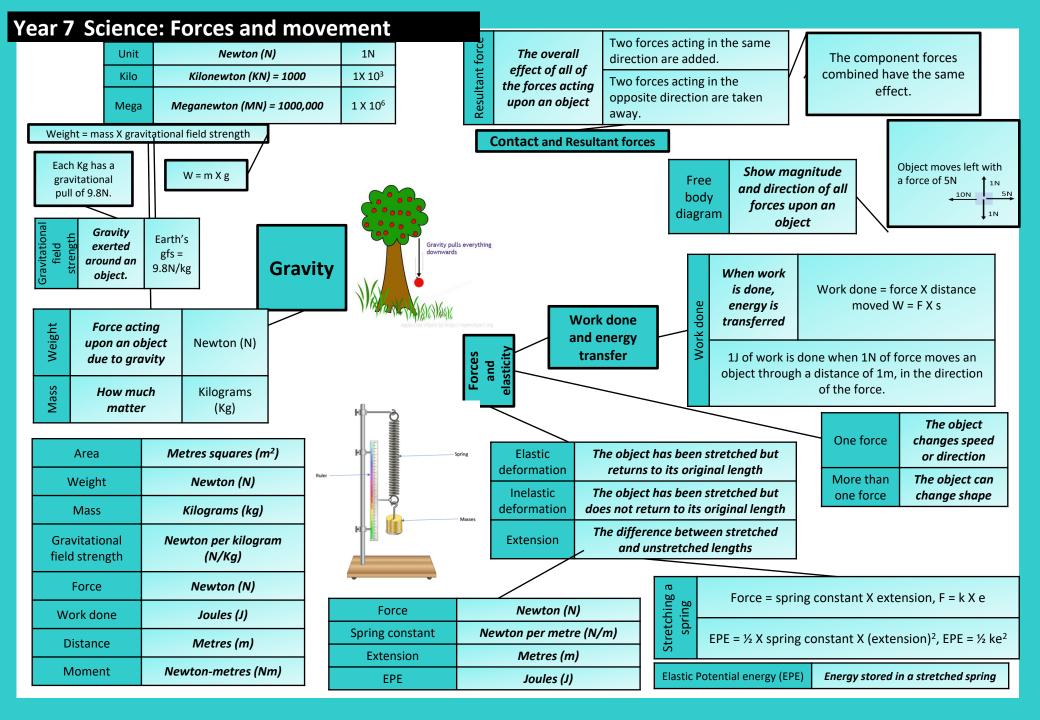
Kinetic theory of gases				State	Particle arrangement	Properties		
	ure of gas is link kinetic energy particles.			Solid	Packed in a regular structure. Strong hold in place so cannot move.	g forces	Has a constant shape.	
If kinetic energy increases so does the temperature of gas.				Liquid	Close together, forces keep contact k able to move around.		Can change shape but difficult to compress.	
No kinetic energy is lost when gas				Gas	Separated by large distances. Weak for constantly randomly moving.	Can expand to fill a compre		
particles collide with each other or the container.			Di No	ffusion o energy	Movement of particles in a solution or gas from a		and CO_2 in gas exchang kidneys. Factors that a	
	Gas particles are in a constant state of random motion.			Juired	higher to a lower concentration	ncentration, temperatu	ire and surface	
Gas	Test	Positive	result					J
Hydrogen	Burning splint	'Pop' soun	d.	• *	Pure substances	Impure	substances	
Oxygen	Glowing splint	Re-lights t splint.	the		A substance made from only 1 element	A substance made from 2 or more elements or		
Chlorine	Chlorine Litmus paper (damp) Bleaches the paper white.		-		or 1 compound e.g elements or pure water compounds e.g. salt water			
Carbon dioxide	Limewater	Turns clou a solid calo carbonate forms).	cium					1

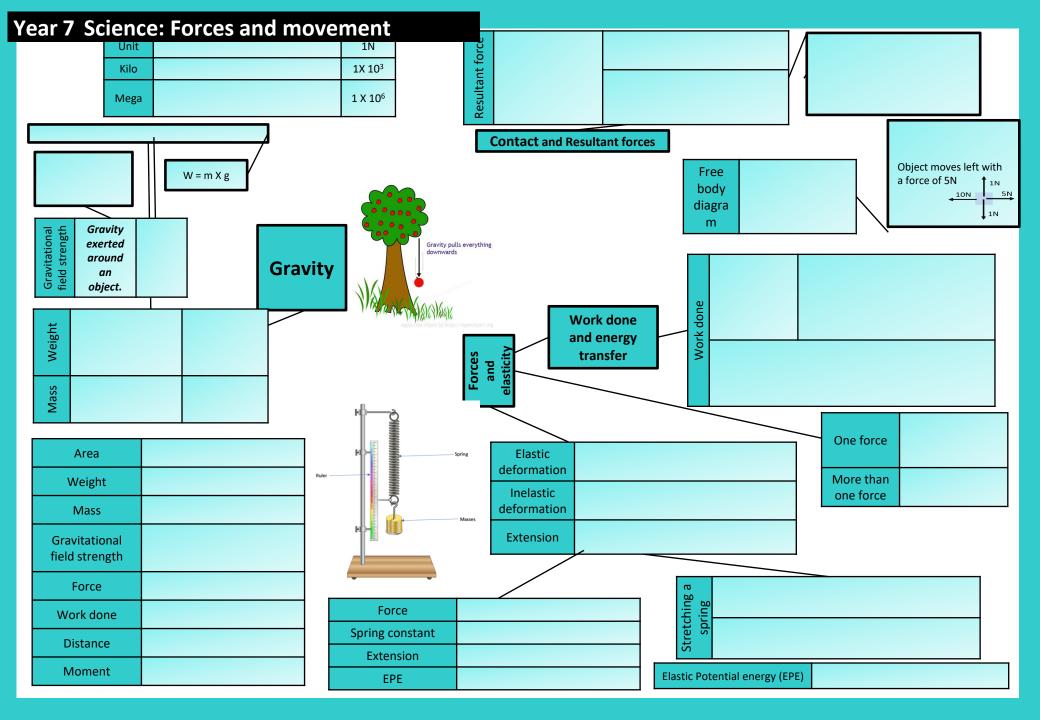
Year 7 Science: Structure of matter and Particles & changes

	Kine	tic theory of	gases		State	Particle arrangemer	nt	Prope	erties
					Solid				
					Liquid				
				0.00	Gas				
				Dit	ffusion		urea i	₂ and CO ₂ in gas exchar n kidneys. Factors that oncentration, temperat	affect the rate
G	ias	Test	Positive	result]
Hydr	rogen				*, , *	Pure substances	Impure	e substances	•
Оху	/gen								
Chlo	orine								
	bon xide								

Year 7	Sci	ence: Str	ucture of ma					es Mixtu	res	compounds r	e elements or not chemically d together	Can be separated by physical processes.		
s ts		Atom	The smallest part an element that o exist	-		of around 0.1 have no char			processes.					
emer			Contains only or	Around 100 different elements						Method	Description	Example		
is, elc comp		Element	type of atom	each o	each one is represented by a symbol e.g. O, Na, Br.						Separating an	To get sand		
Atoms, elements and compounds		Compound	Two or more elements chemically combined		Compounds can only be separated into elements by chemical reactions.					Filtration	insoluble solid fro a liquid	n from a mixture of sand, salt and water.		
			Central nucleus	Contain	ns proto	ons and neut	rons		С	rystallisation	To separate a soli from a solution	sodium chloride		
	Electron shells		Electron shells	Contains electrons								from salt water.		
				Electronic shell	-	number of ectrons				Simple	To separate a solvent from a	To get pure water from salt		
Nam Part	ne of ticle	Relative Charge	Relative Mass	1				nic	distillation		solution	water.		
Pro	oton	+1	1	2		8	· ·	Electronic structures			Separating a mixtu	re To separate the		
	Neutron 0 1		3	3 8		Ī			Fractional distillation	of liquids each wi different boiling				
Elec	tron	-1	Very small	4	4 8						points	crude oil.		
Relat	Relative electrical charges of subatomic particles								Separating					
Г	7 Li	7	Mass number	The sum of the p	rotons a	ind neutrons i	n the n	ucleus	Ch	romatography	substances that move by differen amounts (due to	the dyes in food		
	LI 3		Atomic number	The number of protons in the a		Number o number					solubility) through medium	a		

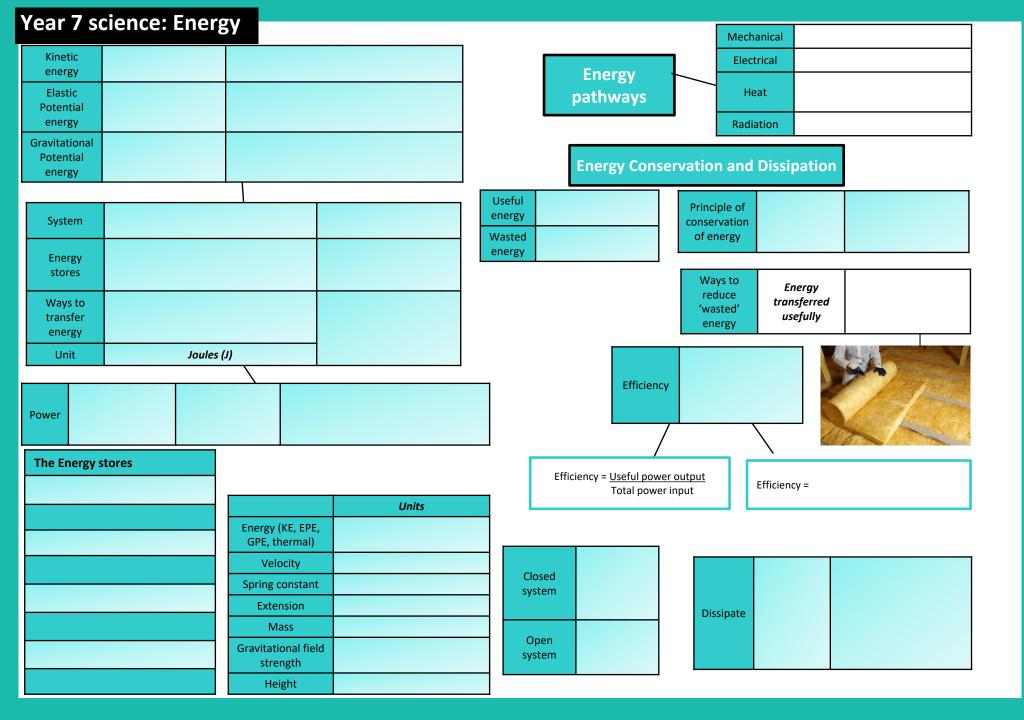






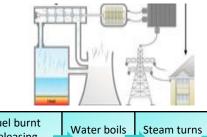
Year 7 science: Energy

	cience: E		5 Y							Mech	nanical	Force	e acts upon an object
Kinetic			ass X (speed) ²						trical	Electric current flow			
energy Elastic					¹ / ₂ mv ² nstant X (extension) ²						eat	Temperature difference between objects	
Potential energy	Potential stretched spring, algoric hand (Assuming the limit of p				¹ ⁄ ₂ ke ² proportionality has not been			patiways		Radi	ation Ele	ctron	nagnetic waves or sound
Gravitational Potential energy	Energy gained object raised a the groun		xceeded) al field strength X height mgh	_		Energy Cons	servati	ion and	Dissipati	on			
System	An object or inte	r group d eract tog		hat E	G: Kettle boiling water.	er	nergy	rgy transferred and used sipated energy,	con	nciple of servation fenergy	The amoun energy alw stays the	ays	Energy cannot be created or destroyed, only changed from
Energy stores	Kinetic, chem gravitation potential, m	nal pote	ntial, elasti	ic E	nergy is gained or lost rom the object or device.			red less usefully		Ways to	same.		one store to another.
Nuclea Ways to Light, sound, electric transfer kinetic are ways to tric			icity, therm		G: electrical energy ransfers chemical energy				4	reduce wasted' energy	Energy transferr usefully	ed	Insulation, streamline design, lubrication of moving parts.
energy Unit	energy store to another sto			iy. ii	nto thermal energy to heat water up.				Н	ow much e	nerav is	K	
Power	ate of energy transfer	per sec	of energy ond = 1 f power Power = energy transfer ÷ time P = E ÷ t				Efficien		efully tran				
The Energy s	stores						Fff	ciency = Useful pow	ver outpu		Efficiency =	llsofu	Il output energy transfer
Kinetic ener	ξγ							Total power		<u> </u>			input energy transfer
Elastic poter			0,	Units Energy (KE, EPE, Joules (J)									
	l potential ener	gy		nermal) ocity	Metres per second (m/s)							_	
Chemical en	Chemical energy			constant	Newton per metre (N/m)		Closed No change in total energy				To scatter in	,	
Thermal energy			Exte	nsion	Metres (m)		system	in system		Dissipate	all directions o	all W	When energy is 'wasted', it dissipates into the
Electrostatic energy			Ma	ass	Kilogram (Kg)		Onon	From		Dissipate	to use		surroundings as internal (thermal) energy.
Magnetic energy				onal field ngth	Newton per kilogram (N/Kg)		Open system	Energy can dissipate			wastefully		. , , , , ,
Nuclear ener	rgy		Hei	ight	Metres (m)								



Year 7 science: Energy

Non-renewable energy resource	These will run out. It is a finite reserve. It cannot be replenished.	e.g. Fossil fuels (coal, oil and gas) and nuclear fuels.
Renewable energy resource	These will never run out. It is an infinite reserve. It can be replenished.	e.g. Solar, Tides, Waves, Wind, Geothermal, Biomass, Hydroelectric

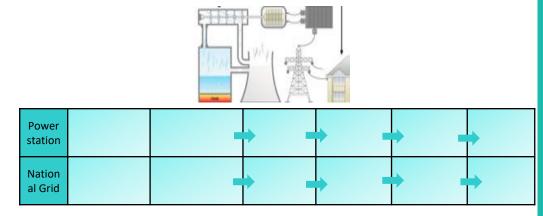


Power station	Generates electricity	Fuel burnt releasing thermal energy	Water boils into steam	Steam turns turbine	turns generator	induces voltage
Nation al Grid	Transports electricity across UK	Power station	Step-up transformer	Pylons	Step-down transformer	House, factory

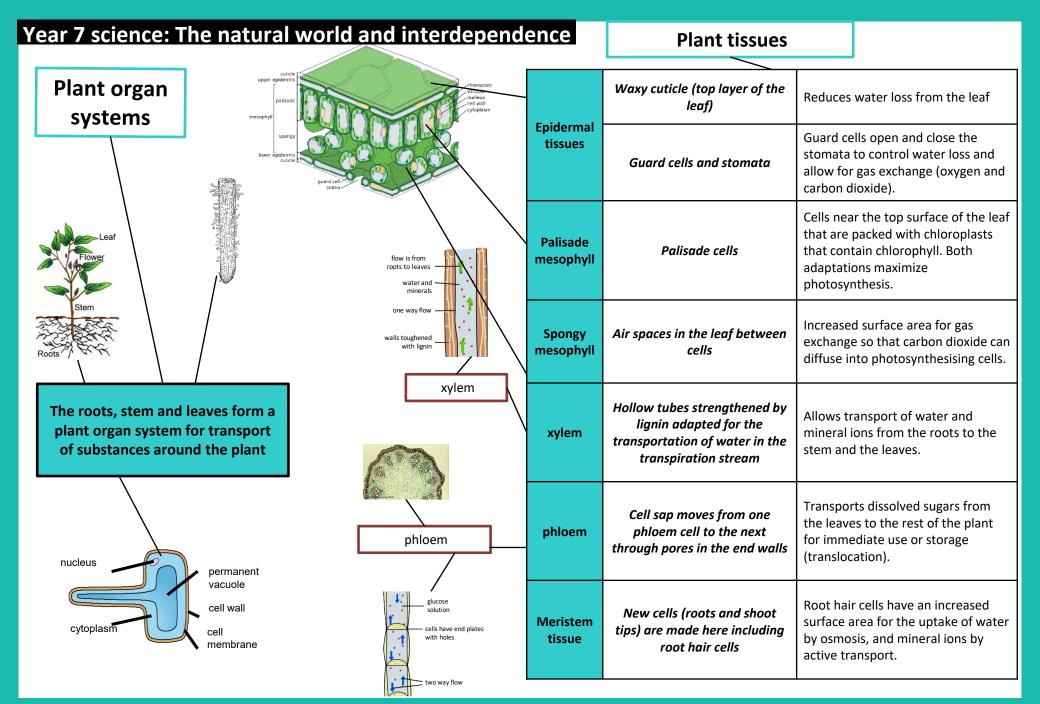
Energy resource	How it works	How it works Uses		Negative	
Fossil Fuels (coal, oil and gas)	Burnt to release thermal energy used to turn water into steam to turn turbines	Generating electricity, heating and transport	Large reserves. Cheap to extract. Used in transport, heating and making electricity. Easy to transport.	Non-renewable. Burning coal and oil releases sulfur dioxide. When mixed with rain makes acid rain. Acid rain damages building and kills plants. Burning fossil fuels releases carbon dioxide which contributes to global warming. Serious environmental damage if oil spilt.	
Nuclear	Nuclear fission process	Generating electricity	Lots of energy produced from small amounts of fuel.	Non-renewable. Dangers of radioactive materials being released into air or water. Nuclear sites need high levels of security. Start up costs and decommission costs very expensive. Toxic waste needs careful storing.	
Biofuel	Plant matter burnt to release thermal energy	Transport and generating electricity	Renewable. As plants grow, they remove carbon dioxide. They are 'carbon neutral'.	Large areas of land needed to grow fuel crops. Habitats destroyed and food not grown. Emits carbon dioxide when burnt thus adding to greenhouse gases and global warming.	
Tides	Every day tides rise and fall, so generation of electricity can be predicted	Generating electricity	Renewable. Predictable due to consistency of tides. No greenhouse gases produced.	Expensive to set up. A dam like structure is built across an estuary, altering habitats and causing problems for ships and boats.	
Waves	Up and down motion turns turbines	Generating electricity	Renewable. No waste products.	Can be unreliable depends on wave output as large waves can stop the pistons working.	
Hydroelectric	Falling water spins a turbine	Generating electricity	Renewable. No waste products.	. Habitats destroyed when dam is built.	
Wind	Movement causes turbine to spin which turns a generator	Generating electricity	Renewable. No waste products.	s. Unreliable – wind varies. Visual and noise pollution. Dangerous to migrating birds.	
Solar	Directly heats objects in solar panels or sunlight captured in photovoltaic cells	Generating electricity and some heating	Renewable. No waste products. Making and installing solar panels expensive. Unreliable du intensity.		
Geothermal	Hot rocks under the ground heats water to produce steam to turn turbine	Generating electricity and heating	Renewable. Clean. No greenhouse gases produced.	e Limited to a small number of countries. Geothermal power stations can cause earthquake tremors.	

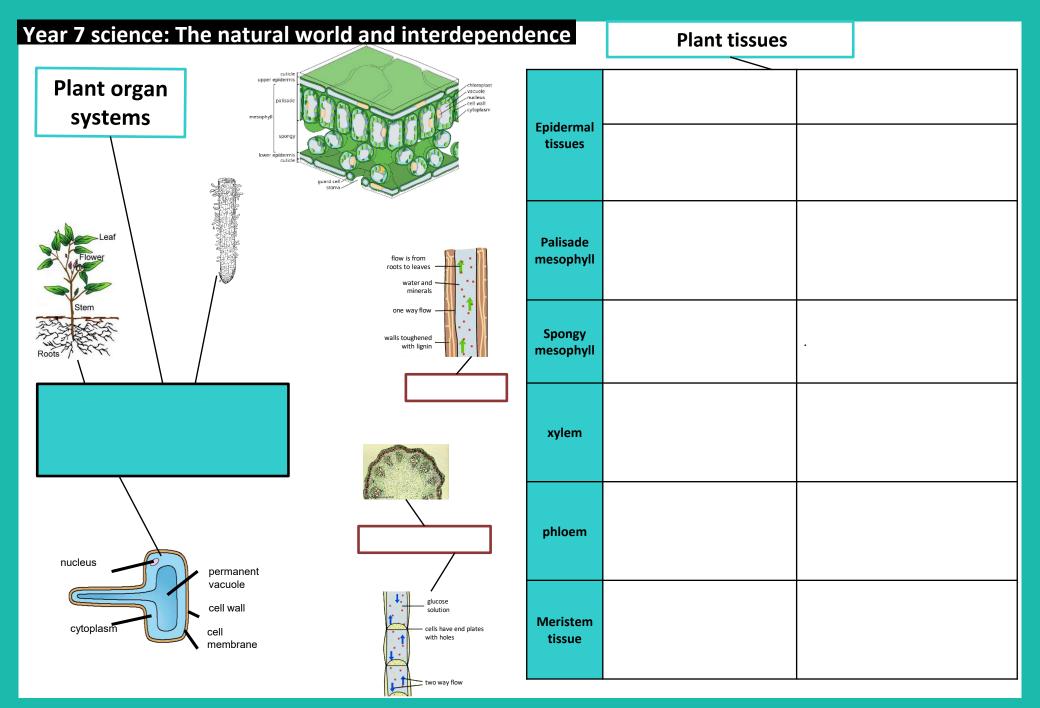
Year 7 science: Energy

Non-renewable energy resource	
Renewable energy resource	

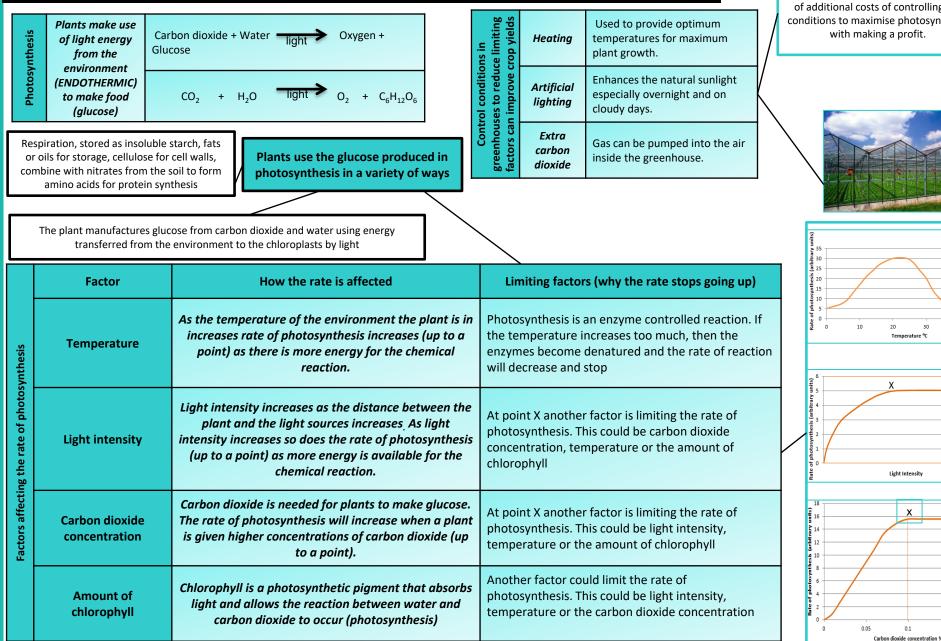


Energy resource	How it works	Uses	Positive	Negative
Fossil Fuels (coal, oil and gas)				
Nuclear				
Biofuel				
Tides				
Waves				
Hydroelectric				
Wind				
Solar				
Geothermal				



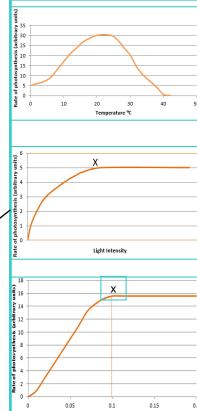


Year 7 science: The natural world and interdependence

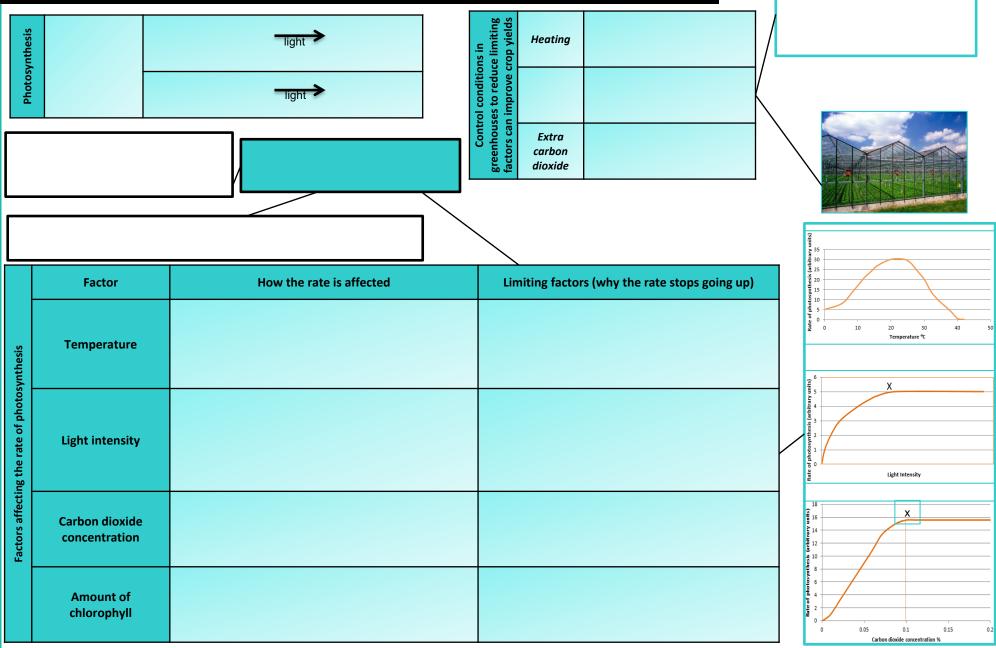


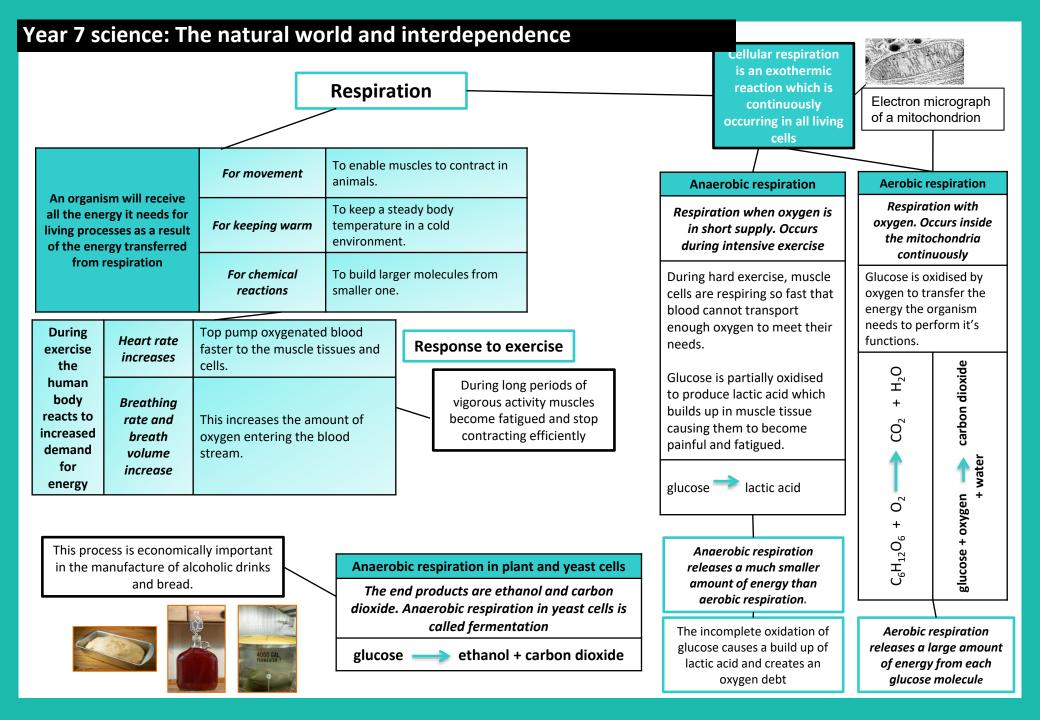
Growers must balance the economics of additional costs of controlling the conditions to maximise photosynthesis

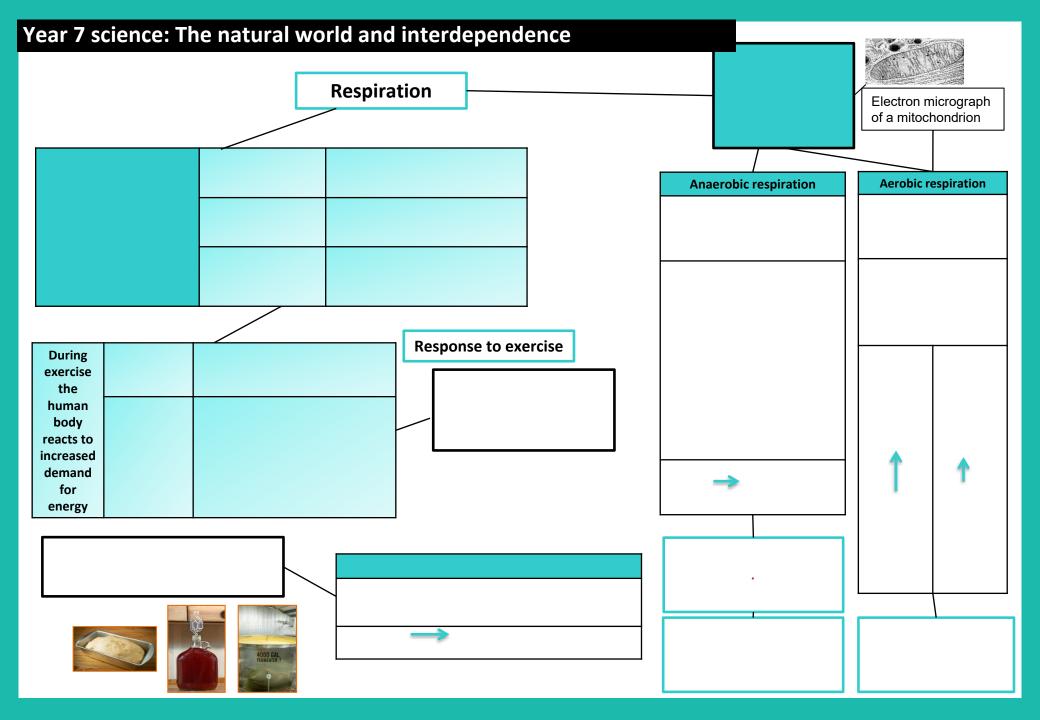




Year 7 science: The natural world and interdependence



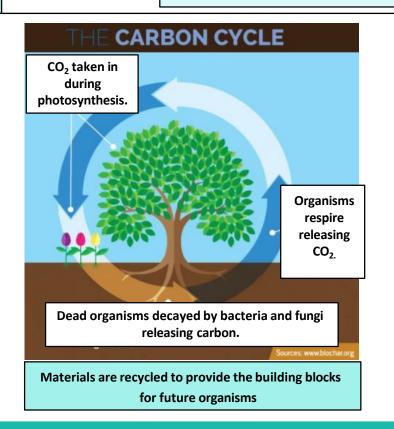


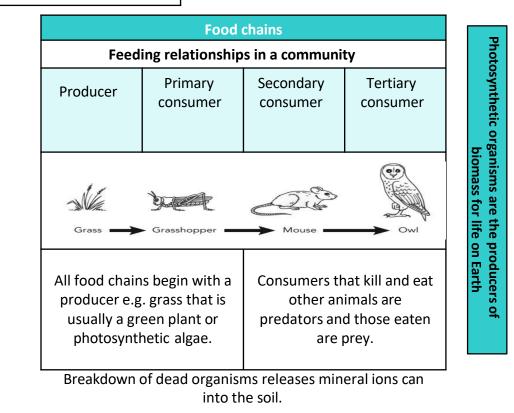


Year 7 science: The natural world and interdependence

	Environment		The conditions surrounding an organism; abiotic and biotic.			
Habitat Population		t	Place where organisms live e.g. woodland, lake.			
Ecosy	Population		Individuals of a species living in a habitat at the same time.			
	Community		Populations of different species living in a habitat at the same time.			
Organisms organisms.	Organisms require a supply of materials from their surroundings and from the other living					
			spire when breaking down dead organisms releasing CO_2 .			

Competition	Plants in a community or habitat compete with each other for light, space, water and mineral ions.		
	Animals compete with each other for food, mates and territory.		
Interdependence	Species depend on each other for food, shelter, pollination, seed dispersal etc. Removing a species can affect the whole community		





Year 7 science: The natural world and interdependence					1
	Environment		lucing	Competition	
stem	Habitat		eprod		
Ecosystem	Population		and re		
	Community		iving		
	•		Surv	Interdependence	

