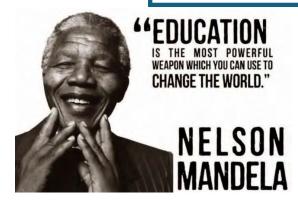


#### **Westhoughton High School**

Year 7 - Autumn Term -



the "Knowledge" pyramid

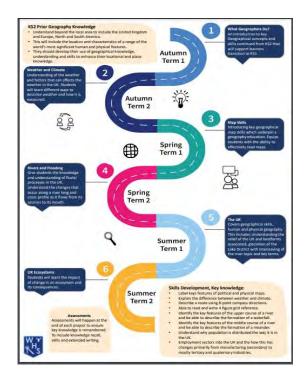




Topic	Page
Introduction to Knowledge Organisers (KOs)	2
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#### Introduction

The curriculum in each of your subjects at WHS has been carefully planned to help you learn new things, building upon what you know and preparing you for learning in the future. This is mapped out as a learning journey which each teacher will share with you so you understand how your learning fits together as a whole. Each subject's roadmap is here <a href="https://www.westhoughton-high.org/subjects/">https://www.westhoughton-high.org/subjects/</a>.



This booklet contains knowledge organisers for all the topics you will study in each subject this term. These give an overview of the essential knowledge that you MUST remember to be as successful as possible in Year 7 and as you move through each year of school. Your teachers will expect you to use them during lessons to find out about what you are going to be learning in a new topic, to retrieve information during a connect activity – connecting your brain to what you are going to learn that lesson and to test yourself or others to recall knowledge. You will also use them to complete home learning activities, to regularly revise from so that you begin to remember more knowledge over time, to discuss what you have been learning with family and friends and to catch up on any learning you might have missed due to absence. You must bring your booklet to school every day and keep it safe at the end of each term as you will continue to use it to support ongoing revision.

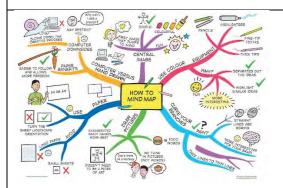
**Learning Techniques to use with KOs** – using them regularly is vital to make knowledge stick in your long-term memory (remember you need to revisit information at least 10 times before it is embedded in your memory).

Try using these ideas, choose different techniques to learn small sections of knowledge each day.

Try usi	Look, Say, Cover,	Key Word	Flash Cards	Self Quizzing	Mind Maps	Paired Retrieval
	Write, Check	Definitions				
STEP 1	Look at and read aloud a specific area of your KO.	Write down the key words and definitions in two columns.	Use your KO to condense and write down key facts or information onto flash cards.	Use your KO to create a mini quiz. Write down your questions relating to the information.	Create a mind map with the information on your KO.	Ask a partner, friend or family to use the KO or your flash cards.
STEP 2	Cover or flip the KO over and write down everything you remember.	Repeat the above but don't look at your KO	Add pictures that might help you remember. Then self-quiz using the flashcards.	Answer the questions, remember to use full sentences.	Check your KO to make sure there are no mistakes on your mind map.	Make sure they test you on different sections of the KO and also on previous topics.
	Check what you have written down. Correct any mistakes and add anything you missed in purple pen.	Use a purple pen to check and correct your work	Ask a friend or family member to quiz you on your knowledge.	Ask a friend or family member to quiz you using the questions.	Try to make more connections, link the information together where you can.	Repeat this regularly so that you are frequently looking at KOs past and present.
8	Ch CO	Cha	@ <sub>Q</sub> <u>Q</u> Ø	ඉටු වූු		
STEP						<u></u>

#### How to make learning stick...

#### **Mind Mapping**



Mind mapping is a great way of representing key information from a topic in a visual way. Use colour and images to represent the knowledge you need to learn. Keep writing to a minimum; use only keywords/phrases.

Watch the clip for more tips and advice.



#### Flash Cards



Make flash cards using your KO. Write a question on one side and the answer on the other or record key- words and definitions. Test yourself frequently. For more advice scan the code.



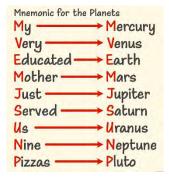
#### Look, Say, Cover, Write, Check



This technique is one that has been well used from primary school upwards. It is useful for rehearsing keywords, definitions and spellings. Look at the information, read it aloud, cover it up, write it down and then check it is correct.



#### **Key Word Mnemonics**



A mnemonic is a sentence you make up where each word begins with the same letter as the word you want to remember. It is a useful technique for remembering a group of facts/words in a certain order.



#### **Revision Clocks**



Draw a basic clock and break your KO down into 12 chunks. Make notes on each chunk in the 12 clock sections, use colour and images to make it memorable. Revise each section for 5 minutes, turn over and test how much you can recall.

Watch the clip for more tips and advice.



### Knowledge Organiser : Skill Building Tool Box Baseline drawing project:

Rationale: We want you to become familiar with some of the basic techniques of drawing, help you to to look closely at the smaller things; understand keywords that will help you express yourself when commenting on your own work and that of others.

### Throughout this mini project you will learn:

About the techniques & materials that artists use to create amazing tonal drawings.!

How to experiment with pencil line to create your own tonal drawing of an eye.

#### Try out these techniques at home:

https://www.youtube.com/watch?v=FmsSbpsB5Vs https://www.youtube.com/watch?v=zqNZ9df0tho







CEAIG: Watch this:

https://www.youtube.com/watch?v=QRfTjwuDww4



#### Read this:

https://www.bbc.ca.uk/bitesize/ guides/zc7sfrd/revision/2

Key words & Definitions					
1	Accurate	Careful and precise.			
2	Blend	To become mixed together			
3	Fleck	A small patch of light or colour.			
4	Iris	The coloured part of the eye			
5	Layer	A section that alternates			
6	Observational	Looking closely			
7	Pressure	A steady force upon a surface			
8	Pupil	Black hole in the centre of iris			
9	Refine	To make better/improve			
ю	Radiate	To spread out in many directions			
m	Review	To look back over something			
12.	Shading	To darken			
13	Sketch	A quick light outline; no detail			
14-	Texture	The feel or look of a surface			
5	Tone/Tonal	The shade of a colour			
16	Technique	A particular way of doing something			

### COMPUTING — Digital Citizenship Key Terms

#### What are the hazards?



Rules of a computing lab

Keep your password safe

no-spill containers

be moved around

No Mobile Phones

computers

graphics

Drinks are allowed, as long as they are in

Computers and peripherals are not to

Do not display or print sexually explicit

Behaviour and activities that disrupt

computer labs is not allowed

done using your computer.

other users or disrupt the learning in the

Remember to log out whenever you are

Each person may use one computer at a

time, unless otherwise instructed.

Do not install software on the

No Food

3

6

8

10

P	a	55	w	0	r	d

Computing

Screen Time

mail

Email Recipient

Email Subject

CC / Carbon Copy

BCC/ Blind Carbon copy

Etiquette Sexting

Cyber bullying

Digital Footprint

Presentation Software

Audience

A secret word or phrase which allows access to a computer system or service.

A computer lab is a space which

provides computer services to a defined community.

Time spent using a device such as a computer, television, or games console.

Messages distributed by electronic means from one computer user to one or more recipients via a network.

An **email recipient** is an individual who has opted-in to receive **email** from either an individual or a business

An email subject line is the first text recipients see after your sender name when an email reaches their inbox. It is important to keep an email subject line informative, catchy, and brief.

(Carbon Copy) - Put the email address/es here if you are sending a copy for their information (and you want everyone to explicitly see this)

(Blind Carbon Copy) - Put the email address here if you are sending them a copy and you **do not** want the other recipients to see that you sent it to this contact

The way you behave online

To send (someone) sexually explicit photographs or messages via mobile phone.

The use of electronic communication to bully a person, typically by sending messages of an intimidating or threatening nature.

A digital footprint is a trail of data you create while using the Internet. It includes the websites you visit, emails you send, and information you submit to online services.

A software application that is specifically designed to allow users to create a presentation of ideas

A group of people who your presentation would be aimed at

Year

Term

#### What are Online Activities

- Socialising online on a range of social apps
- Watching TV online through YouTube
- Gaming

#### Reporting Online Abuse

- Report abuse on the CEOP site
- Child line
- Talk to a trusted adult, Tell a teacher



 Report behavior to the social media site

#### **Email Etiquette**

- Include a clear subject matter
- Always use an appropriate greeting.
- Consider the purpose of your email.
- Do not use emojis

#### What makes an effective presentation?

- Only Text Prompts are used (Keywords)
- Text is kept to a minimum
- All images used are relevant and appropriate to the subject

#### Characteristics of a strong Password

 At least 8 characters - the more characters, the better. A mixture of both uppercase, lowercase letters,, numbers and symbols e.g., ! @ #?]

Copyright La	W (C)	Key Terms				
The Copyright, Designs and Patents Act 1988, is the current UK copy-		Credibility	the quality of the	source from where the information is gathered		
right law. It gives the cre	eators of literary, dramatic, musical and artistic ol the ways in which their material may be	Source	a place, person, o obtained.	r thing from which facts or information can be		
Types of work covered Magazines / Sound Red	- Literacy/Dramatic/Musical/Artistic /	Audience		e of whom your project/work would be aimed at		
"Copyright infringen	nent can lead to substantial penalties."	Plagiarism	The process or pr pretending that it	actice of using another person's ideas or work and is your own		
of up to 6 months	A fine up to £50,000 and/or a jail sentence	Referencing	When you provide	e (a book or article) with citations of sources of		
evaluating and recordi	ng the credibility of a source		inomaton.			
Check the author and the source / What's the purpose of the article? / Check when the article was written / Check the facts		Citation	Citation A word or piece of writing taken from a written work			
		distance of	To repeat something written or spoken using differ			
Article/website title	WHY IS THE PLASTIC WASTE IN OUR WATER- WAYS INCREASING?	Paraphrase	in a humorous for original meaning	rm or in a simpler and shorter form that makes the clearer		
URL	http://www.itsgettinghotinhere.org/go-green/	Blog				
9.12	why-is-the-plastic-waste-in-our-waterways-	Microsoft Word - Tools				
	increasing/	Tool icon	Tool name	Brief description		
Notes/quotations/who to credit or cite	"It is estimated that the current population has produced a 320 million tonnes of plastic	В	BOLD	Changes the text to be bold, i.e. thicker and more noticeable		
	waste! And if we carry on as we are and do not change, this figure could double by 2034"	Artal -	FONT	Allows you to change the style/appearance of the text		
Evaluate the credibility of the source. How can you prove that this is a reliable source?	Written in June last year     These facts also appear on other websites	臺	CENTRE ALIGN	Moves the text so that it is in the middle of the page, ra- ther than having a margin on the left- or right-hand side of the page		
		A	TEXT COLOUR	Allows you to change the colour of the text		
			BULLETED LIST	Allows you to create a bullet-pointed list		

on	Software Name	Description
	Spreadsheet software	Made up of rows, columns and cells. Used mainly for holding formulas to automatically complete calculations.  Real-world use: A building company would use this software to add in all of the materials and costs for a project in order to give their invoice/bill to the customer.
w]	Word processing software	A modern-day typewriter used for typing text and changing the appearance of the text (such as making text bold or changing the colour).  Real-world use: A supermarket would use this software to write a letter to their customers to let them know of new offers that they have in store.
$\bowtie$	Email software	Software that allows you to read and compose electronic messages that are sent between recipients across the network (usually the internet). You can send messages to multiple people at the same time and include attachments (such as files for people to open, read or edit).  Real-world use: A teacher would use this software to send homework as an attachment to all members of the class.  Each member of the class would then have their own copy of the worksheet.
<b>•</b>	Image editing software	Software that allows you to create or edit images. It includes tools such as overlaying text, cropping and recolouring.  Real-world use: A Publisher would use this software to create the front page of a magazine.
ı f	Presentation software	Software that allows you to present information in the form of a slide show. The presenter would use this to provide a visual aid to support what they are saying.  Real-world use: A history teacher would use this software to show examples of castles so that learners can understand the key parts of the castle that the teacher is discussing
Dw	Web authoring software	Software that creates web pages/websites without you having to write code. You can write, edit and position text, add images and embed videos. The software will write the required code for it.  Real-world use: A start-up business would use this software to build a website to promote their services and display their contact details.

- To look at
- To examine in detail to explain and interpret
- PRODUCT DESIGN
  - 2 different Design Movements in Year 7 you will be Analysing
- movements. & Craft and Memphis Design You will analyse both the Arts
- when you Design. Your analysis will help you

ANALYSE

- Investigate
- Research
- Explore

# Gaudy ornamental and decorative products Memphis 1980's Design

Founder's Philosophy:

encourage individuality and creativity. Ettore Sottsass, the movement's leader, aimed to break free from conventional design rules and

# Design History

- Art Nouveau; fluid, curves, floral
- Art Deco: geometry, streamlining, patterns

### Inspiration

new creative approach to design. aim was to reinvigorate Design and develop a Deco (patterns) and 1950's kitsch. Their main Memphis took its inspiration from Pop Art, Art

others considered them groundbreaking in Many people found the products tasteless, but SCLPT. (Shape, Colour, Line, Pattern, Texture)

worldwide. movements. It continues to inspire designers the postmodern and avant-garde design revisited in contemporary design, particularly in Memphis design remains influential and is often

## Key Products:

and eccentric forms. furniture pieces characterized by bold patterns "Super" lamp by Martine Bedin, and various "Cariton" bookshelf by Ettore Sottsass, the loonic Memphis design products include the

# Global Reach:

movement quickly gained international recognition, shaping design trends worldwide While it originated in Milan, the Memphis design

# Relevance Today:

against design norms and continues to captivate expressive creations. designers and collectors seeking unique and Memphis design remains a symbol of rebellion

# Design in the style of Memphis

**Bold Colours** such as primary and neon hues vibrant and contrasting colours, Memphis designs often feature





patterns, including triangles Use of geometric shapes and Geometric Patterns: circles, and zigzags

Visual impact with minimum "Less is a bore. High visual impact regard to function.



symmetry, Memphis and asymmetrical designs embrace irregular traditional Asymmetry: Rejecting

## Playfulness:

design elements. humour and whimsy into Incorporates a sense of

# Attich

without style or Decorative, tacky, as they are fun. purpose but enjoyed



Practical activity To put together

- Assemble
- Build
- Construct



In Year 7 we will be making a Blockhead.

You will use tools to make the parts

It will be made from pine

#### Key Concepts Align Aligned Assembly Assembled Alignment Accurate Accuracy Assemble shape this means they have a dowel joint. have been joined together using My body parts have been means they have been placed in My features are aligned; this My parts are the same size and assembled; this means they been made with no errors. straight line Standard of making Quality The grade of excellence High Quality is / looks Highest standard The very best



- How good something
- How well it is made



### Skilful

- without support undertake the task Confident to
- Task completed correctly

Ġ,

The life rings within pine are closer together as

product

4 w

Wood grain can enhance appearance of a

Softwood; easily dented

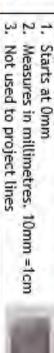
Softwood; easy to cut and shape

Material = Pine

Evergreen tree

## Skill Something you can get better at An ability that comes from training it grows quickly WN -Measuring Marking Out

Wasting (Removal of materials); Cutting Drilling, Shaping



Use to project a line at 90 degrees

When measuring angles

use a

Try Square

When measuring use Steel Rule

- Align the edge flush against the wood
- 4 60 Use a sharp pencil to project the 90 degree line
- Use to check the angle of cut parts
- Steel blade

When cutting use a Tenon Saw

- Teeth point away from the handle
- Cuts on the push
- Used to cut Pine and other Timbers
- Spine helps the blade to not bend when cutting
- The rasp is rough to remove materials
- Use the face of the rasp to remove the material The surface texture looks like a raspberry

file

When shaping use a Rasp then a flat

material The flat file removes smaller finer amounts of

product. produced to show the look and function of a A plan or drawing

a decorative pattern



# TEXTILES

- the front of the pencil wrap In Year 7 we will DESIGN a Pattern for You will DESIGN a stencil to use as
- repeat template

- Motif Pattern
- Arrangement

# PATTERN

### Pattern

- where a pattern begins, and then Repeat: Is the amount of space from begins again.
- Types of pattern repeat: Block Repeat, Brick Pattern





Block Repeat



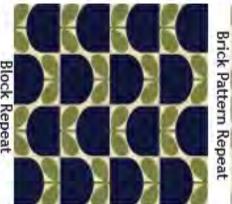
Half Drop Pattern Repeat



Brick Pattern Repeat



Block Repeat



Block Repeat



### Quality

Kandom

Pattern

Kepea

The grade of excellence

- How good something is
- How good it looks
- How well the pattern repeats

### Skilful

- Confident to undertake the task without support
- Task completed correctly
- Skill

- An ability that comes from training
- The skills in this project are: Something you can get better at

applying colour. Drawing 2D shapes, pattern repeats



High Quality

- The very best
- Highest standard



- Extract 2D organic and geometric shapes
- 2. the shape to be repeated Create a template of
- w repeat i.e. Block, 1/2 drop etc Consider how the pattern will
- of product the pattern will be used on Think about the type

- To look at
- to explain an To examine interpret etail

### TEX. ILES

- designer MILTON GLASER In Year 7 we will ANALYSE a the
- a patten design of your own You will ANALYSE his designs to create

- intense colours Psychedelic
- wiggling lines
- each other to be melting and oozing into blending of objects that appear

# ANALYSE

intense colours, free-flowing form that tends to have Psychedelic design is an art patterns lines, and kaleidoscopic

# Founder's Philosophy:

guaranteed. skills towards a worthy cause, even if success was not Milton Glaser, felt that as a designer he was in the business of persuasion and could bring about change. He aspired to put his

mother was a homemaker. Bronx. His father owned a dry-cleaning and tailoring shop; his Milton was born in The Bronx, New York City. His parents, were Hungarian Jewish immigrants. The family resided in the South

### Inspiration

was one of those artists who, the longer you look at him, the more you grow in your appreciation, the more you understand, Italian painter Giorgio Morandi, influenced Glaser. "Morandi Glaser said

#### Impact

colours, and slightly exaggerated forms. Pin movement which is characterized by strong outlines, bright Milton Glaser is credited for the creation of the famous Push

### Legacy:

One of Glaser's most recognizable works is his I Love New York logo. It's aim was to increase tourism as New York was seen to be a dangerous place to visit.

## Key Products:

written at the bottom in Baby Teeth, one of Glaser's typefaces. of Dylan's face with psychedelic, swirty hair, with "Dylan" It was one of Glaser's first posters. The poster shows the profile In 1966, Glaser designed a poster for Bob Dylan's Greatest Hits.

## Global Reach:

prints. His artwork has been featured in exhibits worldwide, in Paris and the Museum of Modern Art in New York. including one-man shows at both the Centre Georges Pompidou Throughout his career, Glaser has been a creator of posters and

# Relevance Today:

our inner voices, godmother. But what happens in life is that we stop listening to extraordinary ability to create Again and again, he stressed the importance of continuing to learn. "We are all born with genius," he said. "It's like our fairy and we no longer have access to this

# Milton Glaser Design

**Bold Colours:** contrasting colours. Milton often used vibrant and



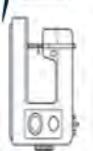


curved lines patterns, including wavy and Use of Organic shapes and Organic Patterns:





### Practical activity To put together



- In Year 7 we will be making a Pencil Wrap
- You will use tools to make the parts
- It will be made from Cotton

# Assemble

Build

EXTILES

Pencil wrap

Construct

Cotton

Natural

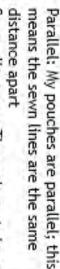
Grows on

a plant

will soak

Absorbent;

### MAKE



Seam allowance: The main parts have been sewn using a seam allowance of and won't come apart 1.5cm; this means they are strong





Can be up liquid

of differen dyed lots

colours









# High Quality

- The very best
- Highest standard



### Quality

The grade of excellence

- How good something is
- How good it looks
- How well it is made

### Skilful

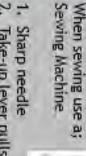
- Confident to undertake the task without support
- Task completed correctly





- An ability that comes from training
- Something you can get better at

sewing 90-degree corners, Hand sewing Measuring / Sewing in a straight line, The skills in this project are:





- through the machine Take-up lever pulls the thread
- w stitch patterns Different types of
- types of fabrics Used to sew lots of different
- 51 Balance wheel can move the position of the needle



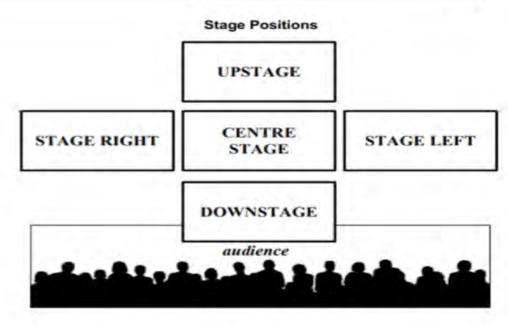


#### Year 7 Drama Knowledge Organiser – Stage Craft



<u>Performance Techniques</u> Freeze Frame	A frozen moment used to end the performance neatly
Mime	When all the action is shown just through physical skills. There is no talking during a mime.
Hot Seating	When you answer questions of people in character
Thought Tracking	A character's thoughts/feelings said out loud to an audience
Rehearsal	A practice or trial performance of a play.



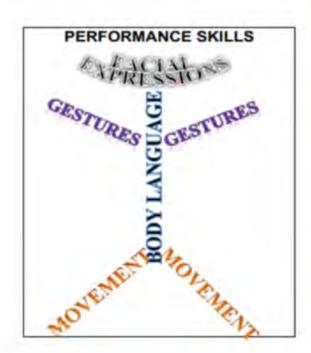


#### Year 7 Drama Knowledge Organiser - Superheroes

#### **Background Information to Superheroes**

A superhero or superheroine is a stock character that possesses abilities beyond those of ordinary people, who typically uses their powers to help the world become a better place, or is dedicated to protecting the public, and stopping evil. Superhero fiction is the genre of fiction that is centred on such characters, specially in American comic books since the 1930s (and later Hollywood films), as well as in Japanese media since the 1930s.

Performance Techniques Melodrama	A sensational dramatic piece with exaggerated characters and exciting events intended to appeal to the emotions.
Stance	The way in which someone stands
Posture	The position of a person's body when standing or sitting
Slapstick	Comedy based on deliberately clumsy actions and humorously embarrassing events
Slow motion	Moving slowly in order to highlight parts of scene to an audience



#### Tasks for this topic:

- Exploring the difference in body language between a superhero and their secret identify
- Using exaggerated acting skills as seen in superhero films
- Representing a transformation from a secret identity to a superhero
- Using slow motion and movement to music to created stylised and engaging work
- Using slapstick skills to entertain an audience and portray different character





#### YEAR 7 AUTUMN TERM KNOWLEDGE ORGANISER: FIRE STARTERS GREEK MYTHOLOGY, FAIRY TALES AND LEGENDS



MYTHS involve gods, goddes	ses or other religious figures. They are fictional and tell us stories about creation.	LEGENDS are based on true events but have some fictional (untrue) elements to the tale.				
Myth	Plot Summary	Legend	Plot Summary			
Prometheus	<ul> <li>Prometheus was a Titan God.</li> <li>He created man from earth, blood and clay.</li> <li>Prometheus and Zeus opposed each other. Zeus tortured Prometheus by driving a spike through his chest and sent an eagle to feed on his liver.</li> <li>One trick included Zeus eating a pile of bones. As punishment, Zeus took fire from mankind, which left them cold and in the dark.</li> <li>Prometheus secretly climbed Mount Olympus to steal the fire. He gave it to the humans. Zeus swore his revenge.</li> </ul>	King Arthur: The Sword in the Stone	<ul> <li>Merlin, the wizard, told the Archbishop that a new king was needed for England.</li> <li>All of the knights were ordered to come to London.</li> <li>When they arrived at the church, the Archbishop showed the knights a stone with a sword stuck in the middle of it. It read: 'Only the king can take the sword from the stone.'</li> <li>Every knight tried to pull out the sword but none were successful.</li> <li>Only a young boy, named Arthur, was able to pull out the sword. He became king.</li> </ul>			
Pandora's Jar	<ul> <li>The story of Pandora follows Prometheus' stealing of the fire.</li> <li>Zeus vowed to have his revenge on Prometheus and mankind. His revenge was Pandora.</li> <li>He asked the Gods and Goddesses to create the first woman: Pandora. She was given as a gift to Prometheus' brother, Epimetheus.</li> <li>Pandora became curious of the jar (sometimes described as a box) and opened it.</li> <li>When Pandora opened the jar (box), evil, hard work and diseases were placed on mankind. Only Hope remained inside.</li> </ul>	King Arthur: The Lady of the Lake	<ul> <li>During a battle with a knight, King Arthur's sword, Excalibur, breaks in two.</li> <li>Merlin takes King Arthur to be treated for his battle wounds.</li> <li>They stop at a lake. The Lady of the Lake appears and returns Excalibur to King Arthur if he promises a gift to her in the future. King Arthur accepts.</li> <li>Years pass and the Lady of the Lake appears at King Arthur's castle. She asks for another knight's head (Sir Balin) as her gift.</li> <li>Sir Balin finds out. He cuts the Lady of the Lake's head off instead!</li> </ul>			
	FAIRY TALES are fictional stories, involving magic and sup	ernatural elements, aimed to te	each children moral lessons.			
Fairy Tale		Plot Summary				
The Little Mermaid	On her fifteenth birthday, the Little Mermaid is allowed to sit on the rocks at moonlight to watch the ships as the sail by.  The Little Mermaid witnesses a shipwreck and saves the prince onboard. However, he does not remember her.  Wishing to join the mortal (human) world, she makes a deal with the sea-witch to swap her voice for human legs.  The Little Mermaid meets the prince on land. However, he does not realise that she saved him from the shipwreck. He marries a princess.  Upset, the Little Mermaid vows to kill the prince and his bride. Before she can kill them, hundreds of beautiful transparent beings persuade he let go of her anger and join them as a daughter of the air.  The Little Mermaid agrees. The daughters of the air watch over mortal children's behaviour. After 300 years, they will float to heaven.					

#### YEAR 7 AUTUMN TERM KNOWLEDGE ORGANISER: FIRE STARTERS

#### **GREEK MYTHOLOGY, FAIRY TALES AND LEGENDS**



#### **Key Symbols**



Pandora's Jar



Water



#### **Big Ideas**

#### Creation

Bringing something into existence; the creation of the universe by a God.

#### Influence

To have an effect on someone or something; the power to shape something or someone.



#### Fate

Events that are destined to happen, often regarded (thought of) as predetermined by a supernatural power and outside a person's control.

Morality
Social standards for good or bad behaviour and character.



#### Power

The ability or capacity to do something or act in a particular way; the ability to influence the behaviour of others or events.



Context - Myths, legends and fairy tales teach their readers moral messages.

Moral Message: A message or lesson a story teaches the reader. For example, in the story of The Boy who Cried Wolf, the story teaches the reader to always tell the truth; otherwise, people won't believe you when it matters.

Classical Literature: The literature of ancient Greece and Rome (1200 BC – 455 AD).

These tales were spoken aloud and recited from memory, then written onto papyrus scroll many years later. We still have fragments of original scrolls today.

Writers attempted to make the universe understandable to us, as humans. Greek mythology includes

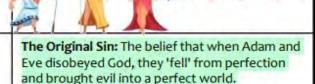
stories that tell us how the world was created and the nature of the universe.

Twisted Fairy Tales: The original versions of popular fairy tales were much darker than today's versions. Originating in European folk stories, often designed to be parables with a moral twist: they featured painful punishments, sadistic parents and children being devoured by wild beasts – hardly the stuff of bedtime stories. Instead, they were as much warnings for children

to behave themselves as anything else – discipline instilled through fear.



Greek Gods and Goddesses: Greek mythology includes stories that tell us how the world was created and the nature of the universe, which were based around the Titans and Olympians (Greek Gods) who were said to live on Mount Olympus – the highest mountain in Greece. Each God is associated with particular stories, powers and symbols.



God told Adam that he could do anything he wanted, except eat the fruit of the tree of the knowledge of good and evil.

Eve was tricked by the serpent into eating the

forbidden fruit. She gave some of the fruit to Adam and he ate it too. Adam and Eve realised that they were naked and hid in shame. God banished them from the Garden of Eden into the harsh world outside and death entered the world.





#### YEAR 7 AUTUMN TERM KNOWLEDGE ORGANISER: FIRE STARTERS



A	OUR FOR MORE! THE - PART SH	A STATE OF THE STA	CAL ACCURACY 8	-			7 1 7 1 7 1
	OUR FOR MORE'-THE 4-PART SU			70-11-12	/ Feature		Tenses
Part SETTING	Introduce your story by foce     Describe the weather / envirobjects / décor     DEVICES: Personification / prepositions / foreshadowir	using on the setting ronment / surroundings / athetic fallacy / symbolism	Simil Comparing someth to something else: 'as', 'like'	hing (MFFT AC	Mescribing something by stating it is something el	m Are	Something that has already happened Had/went/said/walked
CHARACTER	Describe your character(s) a     One or two characters – kee     Craft their actions / behaviorand emotions     DEVICES: Sensory language minimal dialogue	ep it minimal ur to reflect their persona	Symbol Objects, colours, sounds, places	lism	The state of the s	ory language we senses	PRESENT  Something that is currently happening Have / go / say / walk
FLASHBACK	your character and / or their Begin this section with a trip This memory should contrastituation DEVICES: Sensory language	your character and / or their world Begin this section with a trigger This memory should contrast your character's current situation DEVICES: Sensory language / juxtaposition / light imagery		Begin this section with a trigger  - Start of a sentence - Proper nouns: names of places, people - After a fronted advi		er a subordinate clause	Something that will happen Will have / will go / will say / will walk Common Homophones
RETURN TO THE SCENE	Begin this section with a trigger that forces your character back to their current world  Offer a glimpse of change / a subtle change to end your story  Return to something that you described in your opening paragraph to create a cyclical structure  DEVICES: Sensory language / personification / pathetic fallacy / symbolism / cyclical structure		Apostrop  To show that letters are missing in a word	ohes	begin a sentence	full Stops	The The The You're
		Word 0	lasses				
Adjective Describes a noun pronoun. Blue / young / powe	something happens.	Preposition Where something is; the time, direction or cause of something. On lunder labove	Pronoun Words that replace nouns or noun phrases. She / he / they	Person, place, or state of Manchester /	thing, idea An a	Verb action or state of being. Jump / write / be	Its It's





















NUTRITION

In Year 7 we will be making a dough.

You will use equipment to make

It will be made following a recipe



soap

Wear a clean apron

Tie hair up

Hygiene rules in the food room Wash your hands with anti-bacterial

Stir Mix

MAKE

- Caw Method: Make a claw with
- your hand by curling your fingers and then place the knife near your claw sidding it away from the knife as you since each piece

Vegetable cuts



Make sure all equipment has been cleaned thoroughly in hot

Use clean dishcloths and tea towels Clean work surfaces with sanitiser Cover cuts and sores with a blue plaster nail varnish

Make sure your nails are clean and

soapy water



hatons - - - - quare

5-6-5cm long x

fine julienne - 5.6.5cm long x 1.5mm square

### Bread making 6.5cm long x 3 mm square julienne/match stick - 5. ingredients Bread making Equipment used

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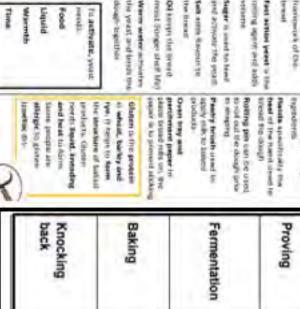
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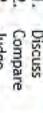
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- Judge





your cooking skills In Year 7 we will be evaluating

information linked to your dishes You will evaluate the nutritional



# The Eatwell Guide

Comprises 5 main food groups

of healthy eating, and can help you make These eight practical tips cover the basics

healthier choices

8 tips for healthier eating

- years of age is suitable for most people over 2
- needed in order to have a welldifferent groups of foods are Shows the proportions in which balanced and healthy diet.
- a day or more representative of food eaten over Shows proportions

一切四十

Eat less salt (max. 6g a day for adults

Gel active and be a healthy weight

Cut down on saturated fat and sugar.

oily fish.

Eat lots of fruit and veg.

Eat more fish —including a portion of

carbohydrates

Base your meals on standly

# Fruit and vegetables

- each day over a third of the food eaten This group should make up just
- a variety each day Aim to eat at least five portions of
- canned, dned or Juiced. Choose from fresh, frozen
- heaped ths) A portion is around 80g (3
- a max of 1 portion each day of fruit juice or smoothie count as 30g of dried fruit or 150ml glass

## Beans, pulses, fish, eggs, meat and other protein

Don't skip breakfast Don't get thirsty

minerals Sources of protein vitamins and

Hydration

meat, should cut down to no 90g/day of red or processed fish a week, one oily, and Recommendations include to more than 70g/day people who eat more than aim for at least two portions of

# Oil and spreads

e.g. olive oil sources and in liquid form as oil fats that are usually from plant Unsaturated fals are healther

other starchy carbohydrates Potatoes, bread, rice, pasta or

Base meals around starchy

This group should make up just over a third of the diet.

carbohydrate food.

Choose higher-fibre, wholegrain

much saturated fat and need to Generally, people are eating too reduce consumption

# Dairy and alternatives

Foods high fat, salt and sugar

Includes products such as

- Vitamins. Good sources of protein and
- Strong. An important source of calcium which helps to keep bones
- Should go for lower fat and lower sugar products where possible

Are high in fat sugar and energy

and are not needed in the diet

sugar soft drinks, butter and ice

chocolate, cakes, biscuits full-

https://bit.ly/20z/UMfe To find out more, go to

> infrequently and in small If included, should be had

amounts

- GE/ Arm to drink 6-8 glasses of fluid every
- drinks including tea and coffee all Water, lower fat milk and sugar-free
- combined total of 150ml per day but should be limited to no more than a Fruit juice and smoothies also count

### Fibre

- found in plant foods Dietary fibre is a type of carbohydrate
- and, seeds, beans, lentils, fruit, vegetables, nuts cereals and cereal products; oats Food examples include wholegrain
- stools, prevent constipation, improve gut health cancers, help weight control, bulk up heart disease, diabetes and some Dietary fibre helps to: reduce the risk of
- dietary fibre is 30g per day for adults The recommended average intake for

#### 20

Comment <u>t'appelles-tu</u>? – What are you called? Je <u>m'appelle Jean</u> – I am called *Jean* Comment <u>ca s'écrit</u>? – How is it spelt? Ca s'écrit... - It is spelt...

le cinéma - cinema le foot - football le racisme - racism le sport - sport le tennis - tennis le théâtre - theatre/ drama la danse - dancing la discrimination - discrimination la musique - music la télé - TV la violence - violence les animaux - animals les araignées - spiders les chats - cats les chiens - dogs les consoles de jeux - games consoles les gâteaux - cakes les jeux vidéo - video games les maths - maths les pizzas - pizzas



#### Year 7 Topic 1: C'est parti! – We're off!

Qu'est-ce que tu as dans ton sac? – What do you have in your bag?

Dans mon sac j'ai (une trousse) – In my bag I have (a pencil case)

Qu'est-ce que tu as dans ta trousse? – What do you have in your pencil case?

Dans mon trousse j'ai... – In my pencil case I have...

Je n'ai pas de (trousse) – I don't have a (pencil case)

Je n'ai pas d'(appareil photo) – I don't have a (camera)



(un) appareil-photo – a camera
(un) portable – a mobile phone
(un) paquet de chips – a packet of crisps
(une) barre de céréales – a cereal bar
(une) bouteille d'eau
(de l') argent – money
(des) clés – keys
(des) lunettes de soleil – sunglasses
(des) bonbons – sweets

(une) trousse – a pencil case (un) stylo – a pen (un) crayon – a pencil (une) gomme – a rubber (une) règle – a ruler (un) cahier – an exercise book (un) livre – a book (un) agenda – a planner/ diary

(un) bâton de colle - a gluestick

(des) devoirs - homework

Où habites-tu? - Where do you live?
J'habite à (Westhoughton) - I live in (Westhoughton)
J'habite en Angleterre - I live in England
J'habite en France - I live in France
J'habite au Canada - I live in Canada
J'habite en Europe - I live in Europe

Tu es de quelle nationalité ? – What nationality are you?
Je suis anglais / anglaise – I am English
Je suis français / française – I am French
Je suis canadien / canadienne – I am Canadian
Je suis européen / européenne – I am European

A / An / Some

Un - a/ an (masculine)

Une - a/ an (feminine)

Des - some (plural)



#### Year 7 Topic 1: Transferable Knowledge

Ca va ? - How are you?

Ca va (très) bien - I am (very) good

Ca va - I am alright

Comme ci-comme ça – I am ok

Je suis fatigué(e) - I am tired

J'ai chaud - I am hot

J'ai froid - I am cold

J'ai faim - I am hungry

J'ai soif - I am thirsty



The

Le - masculine

La - feminine

Les - plural

L' - Noun starts with a vowel sound

Bonjour - Hello / Good day /morning

Salut - Hi / Hello / Bye

Coucou - Hiya / Peekaboo

Bonsoir - Good evening

Bonne nuit - Good night

Au revoir - Goodbye

mais - but

et - and

aussi - also

parce que - because

car - because

puisque – since

cependant – however

Qu'est-ce que tu aimes ? - What do you like?

Qu'est-ce que tu n'aimes pas? - What do you not like?

Tu aimes...? / Est-ce que tu aimes...? - Do you like...?

J'aime... - 1 like...

J'adore... - I love...

Je préfère... - I prefer...

Je n'aime pas... - I don't like...

Je déteste... - I hate...

Avoir - to have

J'ai - I have

Tu as - You have (singular / informal)

Il a / Elle a / On a - He has / She has / We have

Nous avons - We have

Vous avez - You have (plural / polite)

Ils ont / Elles ont - They have

Être - to be

Je suis - I am

Tu es - You are (singular / informal)

Il est / Elle est / On est - He is / She is / We are

Nous sommes - We are

Vous êtes - You are (plural / polite)

Ils sont / Elles sont - They are

pour moi - for me

c'est... - It is...

très - verv

assez - quite

vraiment - truly

réellement – really

un peu – a bit

bien - good

cool - cool

génial - great

ennuveux - boring

nul – rubbish

important -

important

essentiel - essential

Habiter - to live

J'habite - I live

Tu habites - You live (singular / informal)

Il habite / Elle habite / On habite - He lives / She lives / We live

Nous habitons - We live

Vous habitez - You live (plural / polite)

Ils habitent / Elles habitent - They live

S'appeler - to be called

Je m'appelle - I am called

Tu t'appelles - You are called (singular / informal)

Il s'appelle/ Elle s'appelle/ On s'appelle - He is called/ She is called / We are called

Nous nous appelons - We are called

Vous yous appelez – You are called (plural / polite)

Ils s'appellent / Elles s'appellent – They are called

#### What Geography did I learn in Primary School?

#### WHAT IS GEOGRAPHY

"Geography is the study of the Earth's landscapes, peoples, places and environments. It is, quite simply, the study of the world we live in."

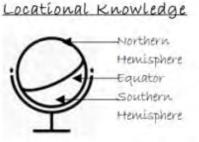
Geography is part of your everyday life; you use it every day without even realizingly

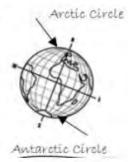
#### TYPES OF GEOGRAPHY

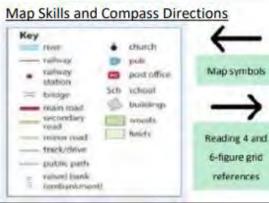
HUMAN GEOGRAPHY The impact of people on the earth
PHYSICAL GEOGRAPHY The natural world without people
ENVIRONMENTAL GEOGRAPHY Human interaction with nature

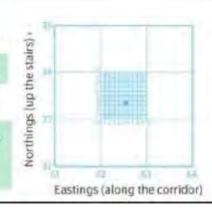


#### WHAT'S THE DIFFERENCE BETWEEN ... INCLUDING ALL ISLANDS THE LARGEST NORTHERN TOGETHER ISLAND IRELAND BRITISH ISLES GREAT BRITAIN UNITED KINGDOM + SCOTLAND SCOTLAND SCOTLAND + ENGLAND ENGLAND ENGLAND + WALES WALES WALES

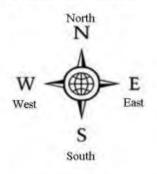








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Compass Directions

#### What Geographers do...

#### **Key Terms:**

The terms highlighted in bold are essential knowledge.

Environmental Geography – Environmental Geography is the area of geography where human and physical geography link together.

**Describe** – This is saying what you know or what you can see on a map, photograph or graph.

**Explain** – This when you use your knowledge to say why. Why did something happen? Using the connective because or this means that helps us explain.

**Suggest** - This is when you give ideas. We suggest things after looking at maps, photographs or graphs.

Political Map – These maps show countries, cities and urban areas.

Physical Map – These show mountains, hills, rivers and the names of seas.

Choropleth Map – This is a map of a place that is shaded to show different information about that area.

GIS – Geographical Information system. This is an online map that contains different layers and give you the ability to zoom in and out and read data about places.

Field sketch – a simple drawing of a landscape that is annotated to show important features.

Annotating Photographs – this is when we add short sentences to a photograph using a ruled line to describe or suggest information about the photograph.

**TEA (Trend, Evidence, Anything Else?)** – Trend: What stands out? Evidence: what numbers can you use from the graph to support the trend? Anything Else: Is there anything else you can add that stands out.

#### **Describing Locations**

The map opposite is a political map that shows the countries and some of the major cities in the UK.

To describe the location of a place on the map we you should use the names of places but also remember to use compass directions and say if it is inland or at the coast.

<u>For example:</u> Manchester is in North West England. It is east of Liverpool and inland from the coast.

#### **Explaining Using Maps**

The map opposite is a physical map of the UK that shows the hills and mountains (red/brown)

As Geographers it is important we use all the data available to use. We can use the two maps together to answer questions such as my are all Scottish cities near the coast?

Answer: All large Scottish cities are located near the coast because the physical map opposite shows that there are lots of hills and mountains. It is difficult to build cities on hills and mountains.

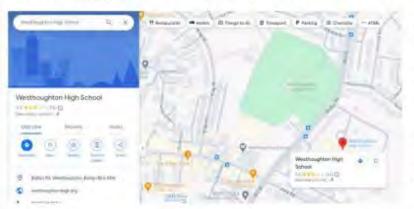




#### Geographic Information Systems (GIS)

Geographic Information Systems (GIS) enables users to add layers to show different information and zoom in and out to different

scales. Google Earth uses GIS to provide further information about places on maps.



The map to the west is an example of how Google use GIS. It shows the location of the school and all local features can be clicked on to find out more information about them.

The map to the east shows land ownership. Different colours have been used to show who owns what land.

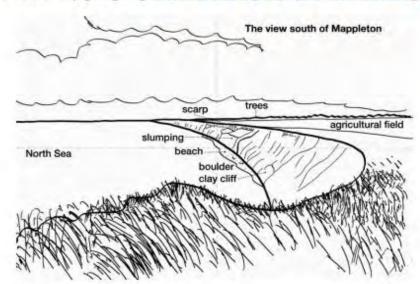


More information can be found if you google BBC Bitesize Geographical information systems

#### **Field Sketching**

A field sketch is a simple diagram of a landscape that can be drawn quickly and labelled to show the important features. The photograph shows a south facing view of the Mappleton Coast. A Geographer has sketched this view and labelled the important Geographical Features. An excellent example of field sketching can be found by googling <u>'Internet Geography Field Sketching'</u>





#### Year 7 Geography - Weather and Climate Knowledge Organiser

#### **Key Terms**

<u>Weather</u> - The day to day conditions of the atmosphere. Example: wind, rain, snow.

<u>Climate</u> - The changes of the atmospheric conditions on a long term scale. They are the average conditions over a number of years .Example: you go Spain in summer because you expect it to be hot.

<u>Precipitation</u> - Any moisture that falls to earth. Example: rain, snow, sleet, hail etc.

<u>Meteorology</u> - The scientific study of weather. Meteorologists are scientists that study the weather.

Forecast – this is when meteorologists use data, maps and satellite to predict what the weather will be like

<u>Microclimate</u> – How the climate in an area can change due to different factors. For example tarmac stores the suns energy making it warmer. Buildings can cast shade making the area underneath cooler.

#### **Describing the Weather**

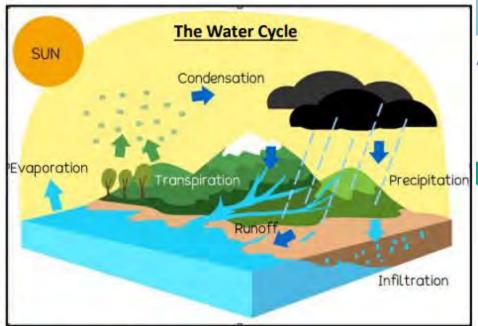
The map shows weather in England to be mostly cloudy with sunny spells. With temperatures ranging from 6 – 9 degrees Celsius.

In Scotland heavy rain is forecast and northerly winds blowing at 14 – 17 mph.

Wales will be mostly cloudy with dark clouds to the west. The temperature will be between 9-10 degrees Celsius.







#### **Describing the Water Cycle**

- Energy from the Sun heats the surface of the Earth and water evaporates from the sea/lakes. The air rises as it is less dense.
- Condensation occurs when water vapour is turned back into water droplets as it cools down forming clouds.
- Precipitation (rain or snow) occurs as water droplets get bigger and heavier, then they begin to fall.
- When the water falls back to earth...
- Some gets intercepted by plants and trees which in turn can evaporate and go back into the sky. This is known as transpiration.
- Some water will land on the ground and run across the surface to rivers or lakes.
- Some will soak into the ground and become ground water this is known as infiltration.

Temperature	Temperature is a degree of hotness or coldness the can be measured using a thermometer.
Wind Direction & Wind Speed	Wind direction is reported by the direction from which it originates. Wind speed is measured in km/h. Measured using an Anemometer
Rain Gauge	A device for collecting and measuring the amount of rain which falls
Barometer	An instrument measuring atmospheric pressure, used especially in forecasting the weather
Oktas Scale	An okta is a unit of measurement used to describe the amount of cloud cover at any given location such as a weather station. Sky conditions are estimated in terms of how many eighths of the sky are covered in cloud.

#### Types of Rainfall



# Star fresh the land end the end application to the end application t

#### Relief Rainfall

Prevailing winds bring warm, moist air to western Britain. Air is forced to rise over high areas. Air cools and condenses. Clouds form and it rains. Air descends on the

other side of the mountains.
It warms up and therefore becomes drier.

#### Convectional rainfall

When the land warms up, it heats the air above it. This causes the air to expand and rise. As the air rises it cools and condenses. If this process continues then rain will fall. This type of rainfall is very common in tropical areas but also in areas such as South East England during warm sunny spells.

What affect	ts climate?
Altitude	The higher you are above sea level, the colder it is. The temperature falls by about 1°C every 100 meters. This is why sometimes there is snow on top of Ben Nevis up until late spring.
Prevailing wind	Prevailing wind is the most common wind direction. If the prevailing wind direction is over water (sea/ocean), it brings rain. If the prevailing wind direction is over land, it brings dry air.  In the UK, the prevailing wind is from the SW, over the Atlantic Ocean = moist (wet) air which is why we have lots of rain.
Latitude	Latitude means how far a place is from the equator.  Far from the equator (e.g. poles) it is very cold. This is because the suns energy travels further and is diffused (spread out) by the angle it hits the poles.  At the equator it is very hot. This is because there is direct sunlight which shines directly onto a small area = hot.

#### **UK Extreme Weather: Heatwave 2022**

The jet stream (the high altitude east to west winds) stayed further north over Iceland the UK allowing a high pressure system to move up from the tropics bringing prolonged hot and dry weather to the UK.

#### Effect

Cause

- Lots of sales of parasols and paddling pools.
- Campsites fully booked and more people holidaying in the UK instead of going abroad.
- Some animals died in the heat. Especially after being locked in hot cars.
- Supermarkets ran out of BBQ foods due to a high meat demand.

#### Response

- People educated and reminded to stay hydrated. Free water was given out in some areas.
- Hosepipe bans in place to preserve water.
- Paramedics deployed in public areas to help ill people.

#### YEAR 7 KNOWLEDGE ORGANISER: Introduction to History and invaders of England

#### Key things I need to know

- ✓ How chronology works and how to work out centuries
- ✓ Who invaded England before 1066?
- ✓ What was similar and different in England during the different invaders?

Key Concepts	<del>8</del>
1. Chronology	The study of time
2. Cause	The reason something happens
3. Change	Differences between different periods of the past
4. Continuity	Things that stay the same in different periods of the past
5. Similarity	Something that is the same or similar to something else
6. Difference	Something that is different to something else

#### Chronology basics

Chronology works similar to negative numbers; BC dates are the biggest number and then goes to the smallest numbers starting with AD.

2024BC 1500BC 0 AD1500 AD2024

#### Working out centuries

The rule for working out centuries is to cover the last 2 numbers of the year given and add 1 to what number is left. This works for every year.

Example: 1939

1 - Cover the last 2 numbers: 19



2- Add 1 to the remaining number: 19+1 3 - 19 + 1 = 20. So the century is  $20^{th}$ 

This still works for years with only 2 numbers: AD10 = 111 Century

#### How do historians find out what happened in the past?

Historians use evidence (clues about the past) to understand the past and there are two main types:

Contemporary evidence - evidence made at the time of the event. Secondary evidence - evidence made after the event

#### What happened at Maiden Castle?

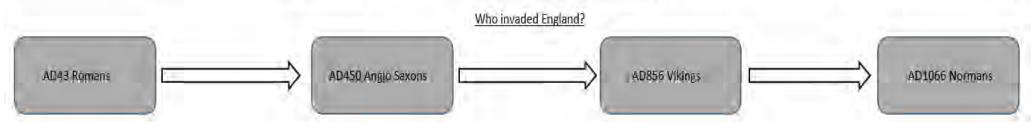
Maiden Castle is one of the largest Iron Age hill forts in Britain. It is in Dorset in the south of England and historians believe it was built almost 3,000 years ago. The fort is on top of a large hill which is 914 metres long. In the Iron Age, hundreds of people lived there. They built the fort to protect themselves. They could see attackers better from high up. In Roman times, these people were called the Durotriges tribe, meaning 'hill fort-dwellers'.

Two skeletons were found near the site and historians have used both contemporary and secondary evidence to work out what happened at Maiden Castle.

#### Why did the Romans want England in its empire?

An empire is a collection of areas of land that are ruled over and controlled by one leading country. The Romans had an empire that stretched across the world. In AD43 the Romans successfully made Britain part of its empire. There are several reasons why Rome wanted Britain such as:

- Rome needed money which could be collected through taxes.
- Rome wanted an empire to gain resources from the rest of the empire. This included food, iron, lead, zinc copper, silver and gold.
- Rome needed a supply of slaves for the rich Romans that did not do hard work.
- Generals wanted an empire because it brought fame.
- Rome used it empire to trade helping sell its expensive jewelry and pottery. It also connected with different areas through its trade.



#### Resistance to the Romans

The Romans told tribal leaders that they could keep their power, as long as they accepted the rule of Rome. One such tribe were the Iceni in East Anglia, whose leaders, Prasutagus and his wife Boudicca.

However, when Prasutagus died, the Romans took the lands away from the Iceni. When Boudicca said she disliked this, the Romans whipped her and her daughters by AD 61 Boudicca had become the leader of a violent revolt against them.

The Roman fighters were distracted with dealing with trouble in Wales, allowing Boudicca and her armies to destroy the Roman towns of Colchester, London and St Albans. It is said her armies killed over 80,000 people. In AD 61, Boudicca prepared for a battle with a much smaller Roman army in the 'Battle of Watling Street', Seeing that she had lost, some sources claim that Boudicca poisoned herself and her daughters rather than face capture.

Keywords	-	
Empire	A collection of areas of land that are ruled over and controlled by one leading country.	
Resistance	An act of opposing or fighting back against something or someone.	
Invasion	When one country used its army to enter and take control of another country by force.	

	How did life cha	nge or stay the same under the rule of differ	ent invaders?
Category	Roman	Anglo-Saxon	Norman Britain
Work	■ Farmers ■ Traders	<ul> <li>Farmers</li> <li>Traders</li> <li>Weavers and brewers</li> </ul>	<ul><li>Farmers</li><li>Builders</li><li>Soldiers</li></ul>
Homes	<ul> <li>Made of brick and tiles in the towns.</li> <li>Outside of the towns people lived in roundhouses made of wood and thatch.</li> </ul>	Thatched roofs and wooden walls.	<ul> <li>Wooden houses made with mud, dung and straw.</li> </ul>
Religion	<ul> <li>Many different Roman gods and adopted some British gods. Some gods include the sun and moon.</li> <li>The emperor was worshipped as a god,</li> </ul>	Started pagan and became Christian over time.	The Normans were Christian and built new churches and cathedrals.
Government	Roman Emperor	<ul> <li>Ruled by a king several kings at first but in the 10th century England became one country ruled but one king.</li> </ul>	<ul> <li>Ruled by a king, King William of Normandy.</li> <li>Lords were appointed to areas who ruled over areas of England.</li> </ul>
Language	<ul> <li>People in the town spoke         Latin however most Britons             continued to speak their local             British language,     </li> </ul>	<ul> <li>Language started with Germanic language but with changes it became English.</li> </ul>	The Normans spoke French but the English continued to speak their own language. The English borrowed some words from the Normans such as 'dinner'.

#### YEAR 7 KNOWLEDGE ORGANISER: Medieval England (part 1)

#### Key things I need to know

- ✓ Why did William, duke of Normandy become king of England?
- ✓ Why did William, duke of Normandy win the Battle of Hastings?
- ✓ What changes did the Normans make to England?

Key Concepts	<del>8</del>
1. Cause	The reason something happens
2. Consequence	A result of something happening (can be good or bad).
3. Succession	When a new king replaces the old king.
4. Heir	The person who is next in line for the throne.
5. Normanisation	The attempt to make life in England more like life in Normandy

#### Why was there a succession crisis in 1066?

In January 1066, the king of Anglo-Saxon England, Edward the Confessor died without leaving an heir. Four different men thought that they should be the next king:

- · Harold Godwinson
- · William, duke of Normandy
- · Harald Hardrada
- · Edgar Atheling



#### Why did the Battle of Stamford Bridge and the Battle of Hastings happen?

The Witan (the king's council) were in charge of naming the next king after Edward. No matter which man the witan chose the others would try to fight for their claim.

#### The Battle of Stamford Bridge?

Stamford Bridge was located in the north of England near York, which at the time was populated by Vikings who sailed over from Scandinavia.

In the days before the Battle of Stamford Bridge, the Norwegians won a battle at Gate Fulford. After the victory Hardrada and his army camped at Stamford Bridge to rest. Upon learning of the Viking invasion Harold Godwinson assembled an army of 15,000 men including 3,000 of his elite troops and marched 190 miles in 5 days to fight Hardrada.

On the 25th September 1066 Harold Godwinson defeated Harald Hardrada and his Viking army despite a powerful Viking berserker holding the bridge separating the two armies and is believed to have killed up to 40 Anglo-Saxons! The Viking holding the bridge was only killed when clever Anglo-Saxon soldiers floated along the river underneath the bridge and thrust a spear from below the Viking.

However, this was not the end of Harold Godwin's problems as William, duke of Normandy landed in the south at Pevensey Bay whist Harold was up north.



#### The Norman Conquest

#### January 1066

Edward the Confessor dies and Harold Godwinson is made king.

#### 25th September 1066

Harold Godwinson defeats Harald Hardrada at the Battle of Stamford Bridge.

#### 14th October 1066

William and the Normans defeat Harold Godwinson at the Battle of Hastings.

#### October 1066

Over 1000 wooden motte and bailey castles begin to be built. The Feudal System is created.

#### 25th December 1066

William is crowned King of England.

#### December 1069

The Harrying of the North.

However, despite Harold Godwinson being victorious at the Battle of Stamford Bridge, this was not the end of his problems as William, duke of Normandy landed in the south at Pevensey Bay whist Harold was up north.

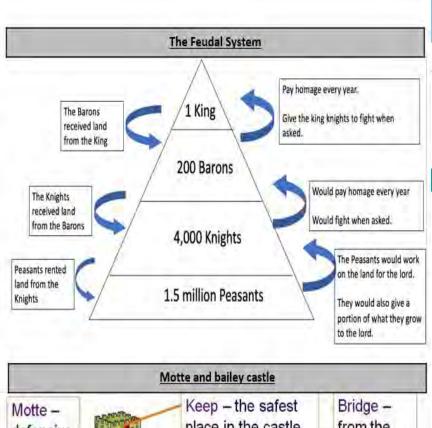
<u>w</u>	/hy did William win the Battle of Hastin	g <u>s?</u>
William's strategy and strength	Harold's decisions and weaknesses	Luck
<ul> <li>William had 2,000 cavalry (knights on horseback).</li> <li>William also had other soldiers such as infantry and archers that were well equipped and trained.</li> <li>They used the feigned retreat, this was when William's army pretended to retreat to draw Harold's army out of their shield wall.</li> </ul>	Harold had a smaller army and lost lots of his elite troops in the previous battle so was left with 2,500. Harold's army was made up of the fyrd who were untrained, part-time soldiers. The Anglo-Saxons formed a shield wall at the top of Senlac Hill but was eventually broken. Harold did not rest for long enough after the Battle of Stamford Bridge so his army were exhausted before fighting William.	When William originally wanted to sail to England, strong winds prevented him from doing so and the invasion was delayed. During this time Harold Godwinson had to travel to the north of the country and fight Hardrada. Once the wind changed and William was able to sail, Harold was unprepared and still in the north.

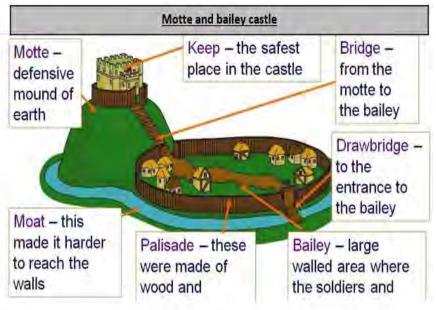
#### How did William establish control over England?

William was faced with rebellions in the north of England. He had to crush these brutally by murdering men, women and children along with killing animals and even putting salt in the ground. This was an event known as the Harrying of the North and resulted in 100,000 dead.

William built motte and bailey castles all over England. These were constant symbols of Norman power and also created a base to defend areas of the country from invaders and rebellions.

The Feudal System was a way of controlling England through land and creating a hierarchy. If people did not follow what they should, the king would punish them by taking their land.





#### How did the Normans change life in England?

Category	Changes
Law	<ul> <li>New Forest Laws meant anyone caught hunting in the Royal Forest could be fined, blinded or even executed!</li> <li>New 'Murdrum Fines' meant that if a Norman was killed, the people living in the area where the crime took place were heavily fined. However, King William kept much of the old Anglo-Saxon legal system- but it was run by the Normans</li> </ul>
Land Ownership	Before the Norman invasion, a few Anglo-Saxon earls owned huge areas of land. William split these earldoms up into smaller pieces of land and gave them to French-speaking Normans.     For ordinary peasants, this had little impact. They just had a new lord to work for
Church	<ul> <li>The Normans set about gradually replacing the small wooden Anglo-Saxon churches with large stoner ones.</li> <li>The new stone churches were more imposing to show their authority in religion.</li> <li>Most of the important church roles were held by Normans.</li> <li>Norman churches would have been painted inside with religious art.</li> </ul>
Language	The Normans spoke French while ordinary peasants continued to speak the English that they were used to. Over time, French words crept into the everyday use for example- armour, baron, judge and market.

#### What was it like living in a village and town under the Normans?

Village Town

- · Working life changed very little, the majority of people were still farmers.
- . The church was the most important building in villages where peasants would spend the majority of their time as services ran not just on Sundays.
- · Some peasant's land was cleared to make space for a castle.
- · Peasants were often charged higher rent than before the Normans arrival.
- · Villages had a Norman lord who replaced an Anglo-Saxon lord.
- · Peasants usually got up half an hour before sunrise and ate a form of porridge.

- A town's freedom was written on a Town Charter this gave the townspeople that chance to run the town themselves. Held markets once or twice a week where people sold items such as eggs, cheese and butter.
- . The town guild met at the Guildhall where traders met to discuss rules, prices and training.
- Entrance gates were guarded by sentries 24 hours a day
- . Built in front of a castle where the castle walls would surround the town.
- . Guard towers across the town walls.





# Component Knowledge

- identify the value of digits within a number
- Write a number in words
- Write a value in figures from words

# Key Vocabulary

Digit	The symbols 0, 1, 2, 3, 4, 5, 6, 7, 8 & 9 used to build numbers
Number	The value of a single/string of digits derived from their position in the string
Place value	The relative value of each position in a number
Place value table	A table with columns for each value to allow
Integer	Whale numbers

### Place value table:

Integer values: "Write in words the number 32 406 059"

#### Hundred Blicon Billions Hundred Million Millions Place Hundred Thousand Thousands Value Ten Thousand Units Decimals Hundredth, -Thousandth,

Trillions

Hundred Trillion

Ten Trillion

Ten Billion

Ten Million

Million

Thousand

Hundreit

Ten

Unit

Tenths, !

Ten Hissasandthy

N

0

S

9

Billion

Trillion

In words: Thirty-two million, four hundred and six thousand and fifty-nine

Fractional values: "Write the value of the 4 in the number 27.104"

#### Value: Four thousandths Hundred Trillion Trillions Ten Trillian Trillion Hundred Bloom Billions Ten Billion Billion Hundred Million Millions Ten Million Place Million Hundred Thousand Thousands Value Ten Thousand Thousand Humdreid Units N Ten Unit fentito. Decimals Hundredth, 0 Thousandth, Ten mousandths

M763, M704, M522

Online clips



# Powers

of 10

# Component Knowledge

- multiply and divide by powers of 10
- Understand what a square and a cube number is

# Key Vocabulary

Another word for an 'index'. These include square/cube	Power
multiplication	
The index of a number says now many times to use the number in a	Index

Powers of 10: We can use index form to write powers of 10 to a positive power.

10000 = 10 × 10 × 10 × 10

= 104

100

= 102 = 10 × 10

We are multiplying 10 by itself 2 times or '10 squared'

We are multiplying 10 by itself 4 times

10 = 10-We can also use index form to write powers of 10 to a negative power

We are diving by 10

We are diving by 10x10x10 or we are diving by 10

1000 = 10-

# Powers of 10 and calculations

column to the right. Powers of 10: Using place value we know the value of each column is ten times greater than the

Multiplying by 10, means the number is ten times greater, and moves one column to the left

Place Value

Example:

Example:

6.7 x 104 = 670

times bigger (or This means that 6.7 is 10 times and then 10

Service Artists

and the last

35200 a 5.7 x ID Œ -0+ 0 5 . 2 0 .7 6

columns to the

moves two

then 10 times smaller columns to the right) 35219 x 103 = 35.219 then 10 times and 35219 is 10 times or moves three This means that

Online Clip M113

# Ordering Positive and



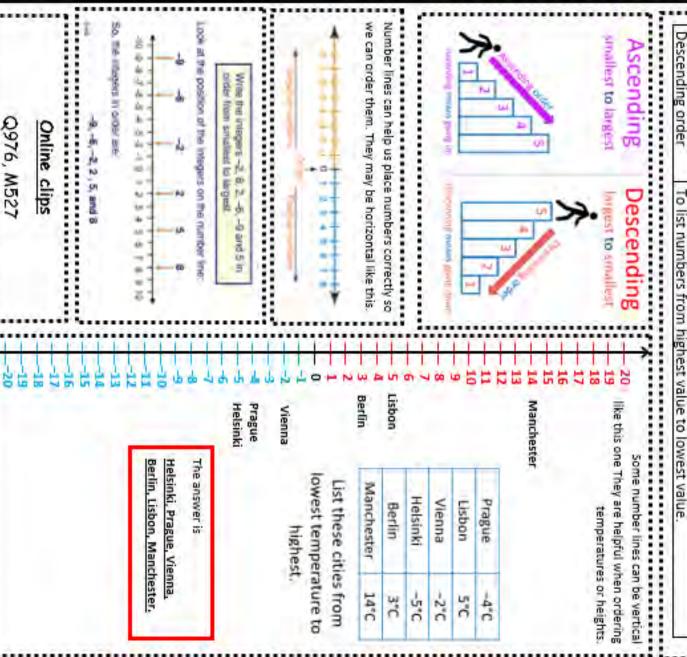
# **Negative Numbers**

# Component Knowledge

- Use a number line to dider positive and negative numbers.
- Understand a number line is symmetrical about zero.

# Key Vocabulary

Negative number  A number with a value less than zero.  Ascending order  To list numbers from lowest value to highest value.  Descending order  To list numbers from highest value to lowest value.	Positive number	A number with a value greater than zero.
ng order To list numbers from To list numbers from	ve nun	ber with a value less than
ding order To list numbers from highes	ing	numbers from
	ding	list numbers from highes



# Adding & Subtracting



# Directed

# Number

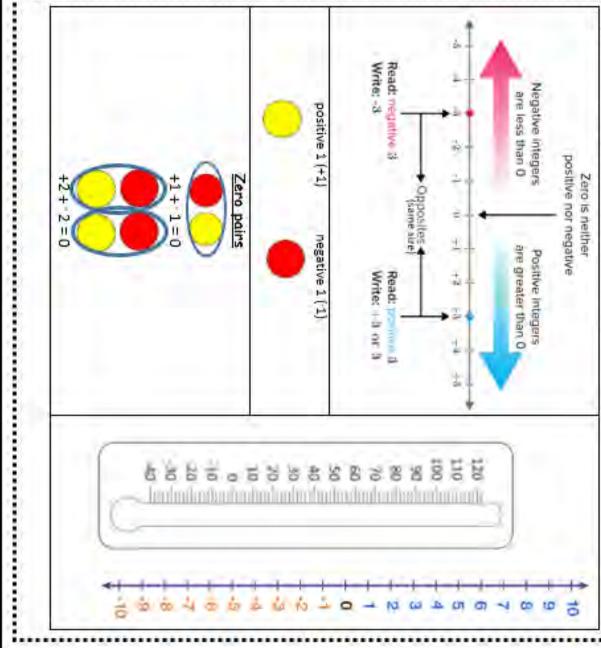
# Component Knowledge

- Order positive and negative numbers
- Addition of positive and negative numbers
- Subtraction of positive and negative numbers
- Multiplication of positive and negative numbers
- Division of positive and negative numbers

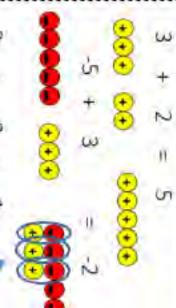
# Key Vocabulary

Integer	A whole number
Positive number	A number that has a value greater than zero
Negative number	A number that has a value less than zero
Zero pair	A set of two numbers that when added together equal zero.
Starting value	The starting value in a calculation
Ascending order	Numbers in order from smallest to largest
Descending order	Numbers in order from largest to smallest

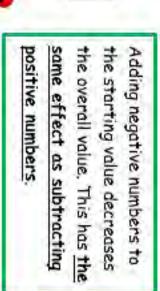
# Representations of **Directed Numbers**







Adding positive numbers to the starting value increases the overall value.



Zero

# Subtracting with Directed Number

Sometimes we can directly subtract from the starting value.

$$4 - 3 = 1$$
  $-4 - -3 = -1$   $0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00$ 

Sometimes we need to add zero pairs to be able to subtract from the starting value.

Subtracting negative numbers to the starting value increases the overall value.

Online clips

overall value

Subtracting positive numbers to the starting value decreases the

M527, M106

# Four operations



## Component Knowledge

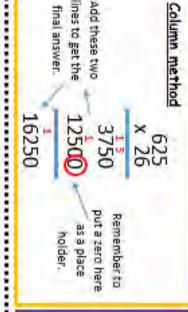
- Multiply 2- and 3-digit numbers.
- Use bus stop method to divide numbers
- Addition and subtraction.
- Know what the inverse of each of the four operations are.

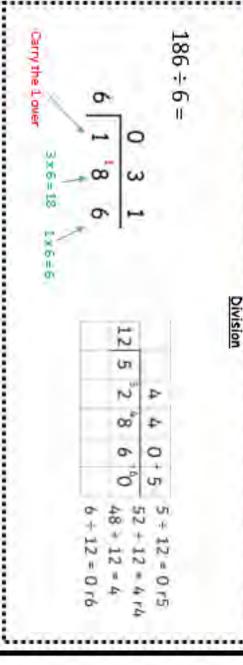
### Key Vocabulary

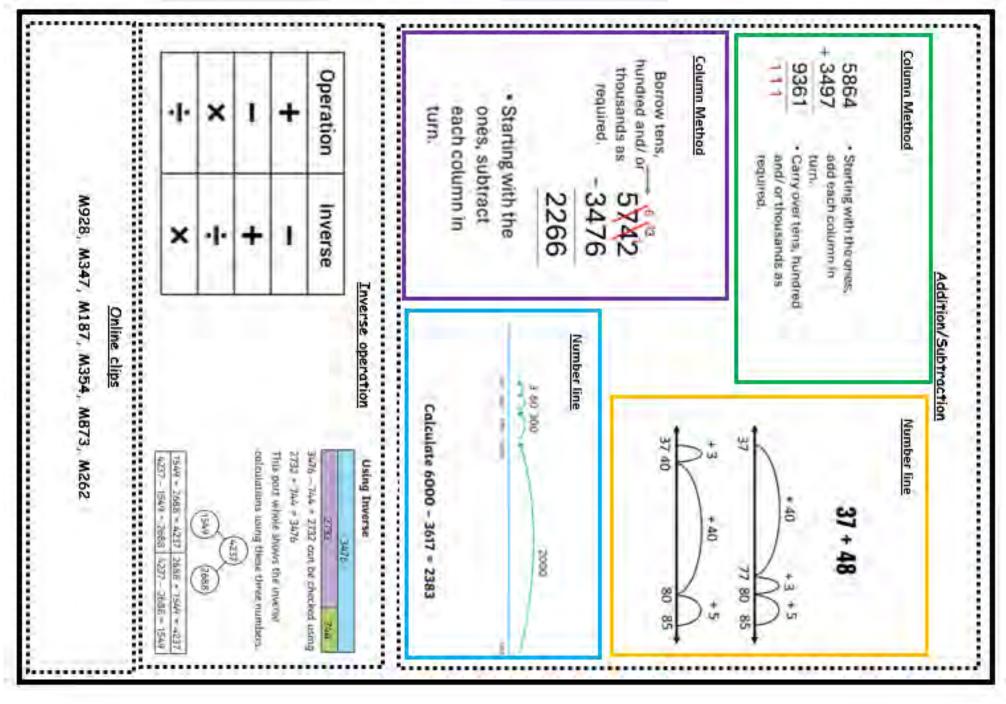
Multiplication	Adding a number to itself repeatedly.
Division	splitting a number into equal parts.
Addition	The action or process of adding something to something else.
Subtraction	The process or skill of taking one amount from another.
Inverse	The apposite. The Reverse.

## Multiplication Methods









# Powers & roots



## Component Knowledge

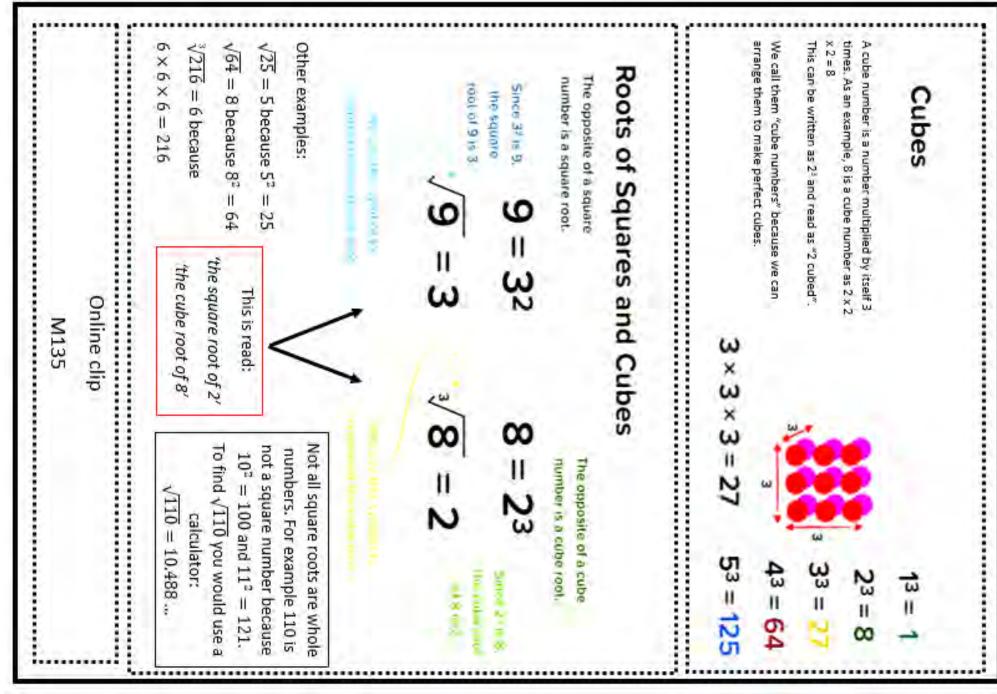
- Write repeated multiplication as a power
- Calculate small powers (powers of 2, 3 or 4 of any number by repeated multiplication
- Identify square and cube numbers
- Calculate square and cube roots

### Key Vocabulary

Power	A notation and word used to show repeated multiplication of the same number
Index	Another term used for power
Square	Squaring a number means multiplying by itself (e.g. $2 \times 2$ )
Square number	A square number is the result of squaring another number (e.g. 4 is a square number)
Cube	Cubing a number means multiplying by itself and itself again (e.g. $3 \times 3 \times 3$ )
Cube number	A cube number is the result of cube another number $(27 \text{ is a cube number} - \text{it's 3 cubed})$
Square root	The number that when squared gives the answer wanted
Cube root	The number that when cubed gives the answer wanted

Notation Index (Indices)			15		2	Index (Indices)
This is how powers are written.					1	Power
It is a shorthand for repeated multiplication.				1	1	Exponent
Other words used for power are index			Š	+		
and exponent. Base	Ĭ	1	^	1		
We read the power as	l	₹.	3			
'2 to the power of 4'						
But there are also special terms for a	2×2×2×2	2	×	2	×	2
power of 2 or 3. See below.	1		K	-		0





# (BIDMAS) Order



## of operations

## Component Knowledge

- Understand what order operations are completed and why that order is used.
- Understand how the order of operations can affect the answer.
- Apply order of operations to solve

### Key Vocabulary

Priority	The order of importance of something
Order	The rules that say which calculations comes first in an expression
Operation	A mathematical process
Brackets (Parentheses)	A pair of marks () that enclose figures or words
Index/Indices (Power)	The power (or exponent) of a number says how many times to use the number
B. St. T. T. T.	in a multiplication
Divide/Division	The process of separating somethings into parts
Multiply/ Multiplication	The process of grouping numbers
Addition	The process of adding two or more numbers together
Subtraction	The process of taking away one number from another

S	A	Z	D	-	œ
Subtraction	Addition	Multiplication	Division	Indices	Bruthers
10+2-3+5-3+2	10 * 4 * 7 * 60 * 7 * 47	10-4 = 2 = 10 - 8 = 2	10+6+2+10+3+13	5+2+5+4=9	10 *  4 *  7 = 10 * 5 = 60

When performing calculations, you must follow the correct order of operations as shown in the table.

Note: BIDMAS may also be known as BODMAS or PEMDAS

Brackets ( o ) Parenthesis

Order or X Expression

Plyrider or X Expression

Multiplication X or 5 Division

Addition X or 5 Subtraction

Subtraction or X Subtraction

Basic examples involving operations, brackets and indices

a) 
$$7+6\times3$$
=  $7+18$ b)  $22-12-4$ =  $12-3$ c)  $(8+3)\times9+3$ =  $11\times9+5$ =  $33$ 

:	::	::	:
16-5	5+7×4	Examples involving:	
	31	fractions:	

Problem Solving:

Add brackets to make the following calculation correct

a) 
$$18-3+4\times2=22$$
:  $(18-(3+4))\times2=22$ 

M521

d) 2 × 3 1+

65

H 12×9+8

e) (40 - 15) + (15 + 3)

# Factors, multiples



## & primes

## Component Knowledge

- identify factors and multiples
- identify a prime number
- Complete a prime factor tree and write the number in index form
- Calculate HCF and LCM of 2 values using an appropriate method.

### Key Vocabulary

Factor	Numbers that we can multiply together to get another number
Multiple	The result of multiplying a number by an integer
Prime	A number that only has two factors 1 and itself
Highest common factor	The greatest number that is a factor of 2 (or more) other numbers
Lowest common multiple	The smallest positive number that is a multiple of two or more numbers
Product	The answer when two or more values are multiplied together
Factorisation	Writing a number as a product of two or more smaller numbers
integer	A whole number

Multiples: The result of multiplying a number by an integer. It is the times table of a number





Factors: A number that divides exactly into another number without a remainder. It is often helpful to write them in pairs

write them in pairs first so you don't miss any!



HCF & LCM

i

Factors of 20 = 1, 2, 4, 5, 10, 20

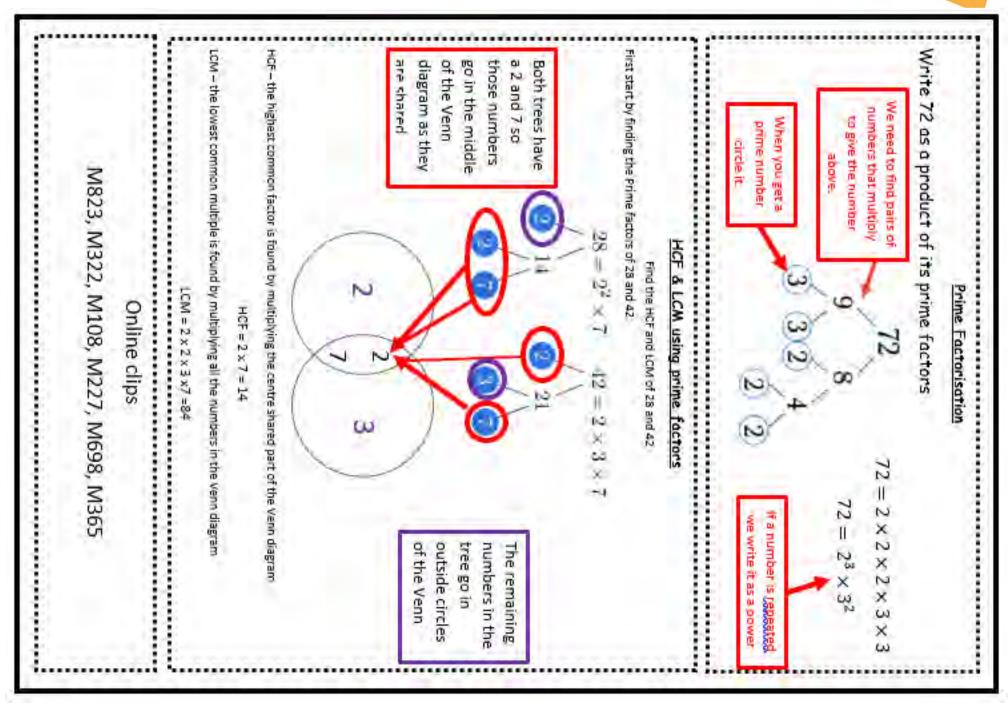
### Find the HCF of 12 and 20 Lowest common multiple Highest common factor Factors of 12 2 and 6 1 and 12 Factors of 20 A and 5 2 and 10 1 and 20 4 is the highest factor of both numbers

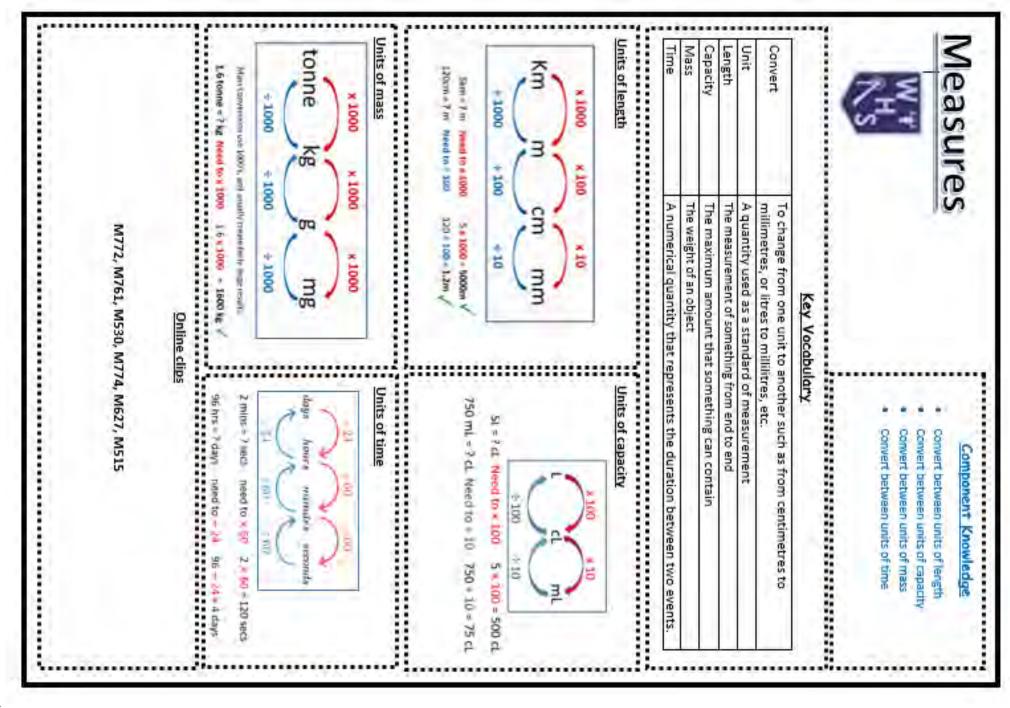
200	99	98	97	88	95	29	93	92	91
90	68	88	87	88	88	28	83	82	81
80	79	78	7	76	75	74	73	72	71
70	69	88	67	88	85	2	63	62	5
8	59	58	57	8	55	2	53	52	51
50	49	48	47	8	45	4	43	42	2
8	39	38	37	8	35	34	33	32	31
8	29	28	27	26	25	24	23	22	21
20	19	18	17	6	15	14	13	12	=
0	(0)	œ	7	Ø	O	4	3	2	-

times tables

12 is the lowest number that appears in both

Multiples of 4: 4, 8 (12) 16, 20, 24, 28, 32 Multiples of 6: 6 (12) 18, 24, 30, 36 ... Find the lowest common multiple of 4 & 6





# operties of 2D



## Component Knowledge

- identify different types of triangles
- Describe the properties of different types
- Identify different quadrilaterals
- puadrilaterals Describe the definitions and properties of

### Key Vocabulary

Palygan	is a flat two dimensional (2D) shape with straight edges that are all joined up.
Quadrilateral	is a polygon that has four sides (edges), four angles and four corners (vertices).
Right angle	is an angle of 90 degrees
Parallel	Two lines that stay the same distance apart for their entire length.
Perpendicular	A straight line is at 90° to another given line or surface
Line of Symmetry	A line that cuts a shape exactly in half. If you were to fold the shape in half both
	the sides would match exactly.

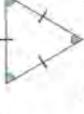
# Properties of Triangles: There are 4 types of triangles;

Equilateral triangle:

Isosceles triangle:

Scalene triangle

Right-angled triangle



length. All sides are the same

the same (60°) All internal angles are

An isosceles triangle

length and two angles of equal sides. has two sides of equal

angles. no equal sides or A scalene triangle has

angle A right-angled triangle always has one 90"

It can be isosceles or

scalene

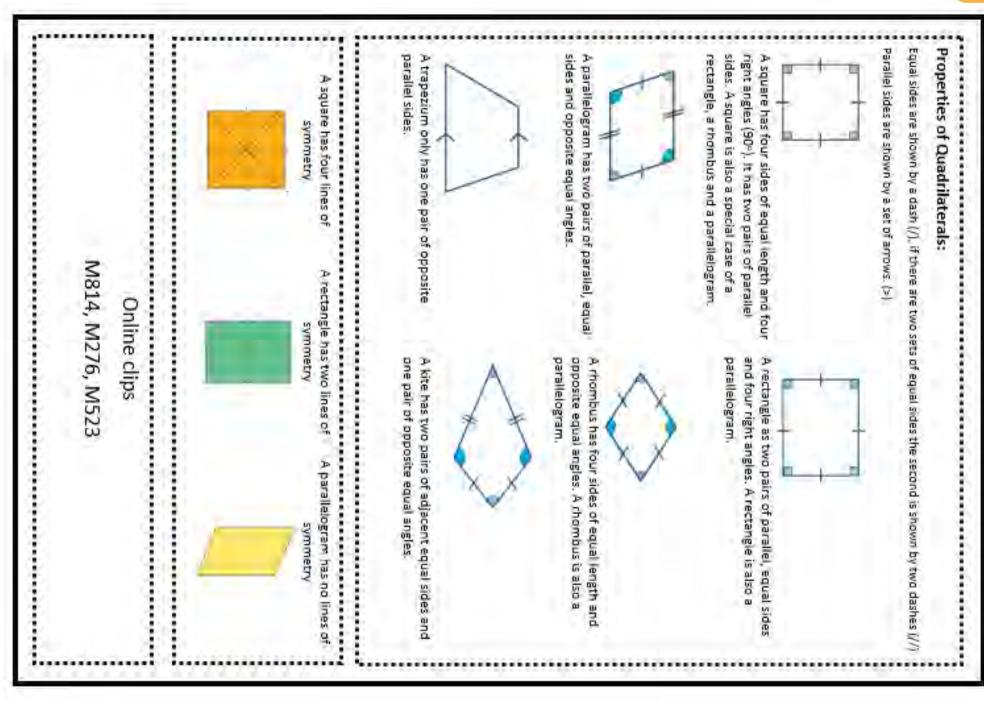
(Equal sides are shown on a diagram by a dash.)





An isosceles triangle has one line of symmetry





## Perimeter



## Component Knowledge

- calculate the perimeter of a 2D shape
- Calculate the length of a missing length of a side When given the perimeter of a 2D shape.
- Calculate the perimeter of a compound shape

### Key Vocabulary

Perimeter	The total distance around the outside of a shape.
Base	The bottom line of a shape
Height	The line from the bottom to the top of a shape
Compound shape	A shape made up of a combination of other known shapes put together.
2D shape	A two-dimensional (2D) shape can be defined as a flat figure or a shape
1000	that has two dimensions - base and height.

To calculate the perimeter of a shape, add the lengths of all the sides of the shape together.

Perimeter = 6cm + 6cm + 6cm = 18€m

Remember the units need to be in the answer

When calculating the perimeter of a rectangle remember that parallel sides are equal.



Perimeter = 12 cm +7 cm +12 cm +7 cm

12 cm

Perimeter = 38 cm

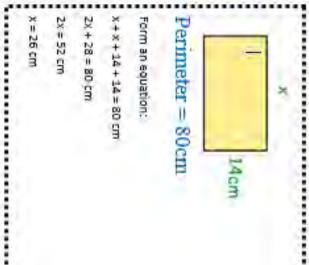
To calculate the perimter of a compoud shape you made need to calculate the length of missing sides.



Perimeter = 7cm +5cm + 2cm + 3cm + 5cm + 5cm + 8cm = 30cm

Online clips

M920, M635, M690



## Area of 2-D



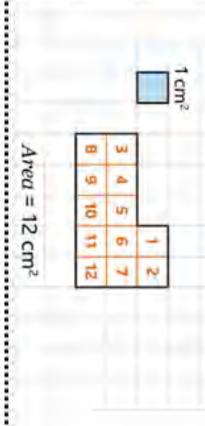
### shapes

## Component Knowledge

- Identify the relevant dimensions
- Identify the correct formula for area
- parallelograms. area of rectangles, triangles, and Use the correct formula to calculate the
- Express the answer in the correct units

### Key Vocabulary

A 2-D shape composed of key 2-D shapes	edeus punoduoo
This can be length (cm, mm, m) or area (cm², mm²)	Unit of measure
The lengths of the sides of the shape	Dimension
The amount of squared units that fit inside a shape	Area

cm2, this means how many 1cm squares can fit inside the shape. Area is how much space fits inside a shape. We usually measure it in 

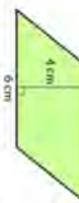
## Squares and rectangles:

The formula is the same for both shapes: A = Length x Width

= 40cm<sup>2</sup>

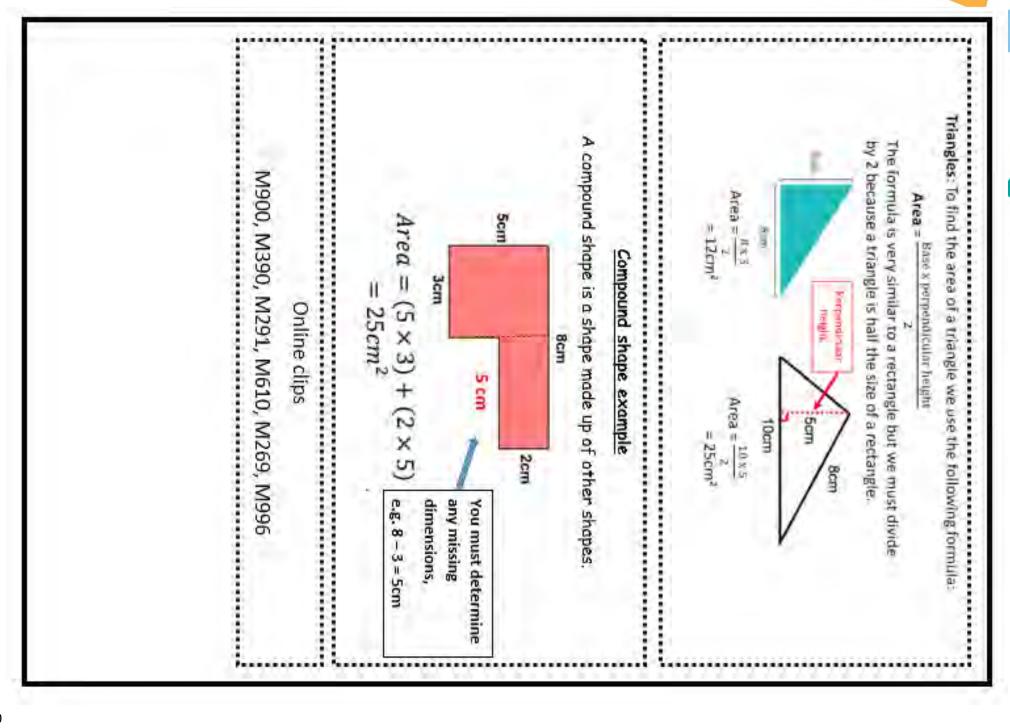
### Parallelograms:

height. The formula is similar to a rectangle but instead of width we use the A = Length x Height



$$A = 6 \times 4$$
$$= 24 \text{cm}^2$$

Sametimes the referred to as the base length is

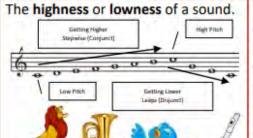


### BUILDING BRICKS

### Exploring the Elements of Music



### A. Pitch



### B. Tempo

The **speed** of a sound or piece of music.

FAST: Allegro, Vivace, Presto SLOW: Andante, Adagio, Lento

**GETTING FASTER -**

Accelerando (accel.)

**GETTING SLOWER -**

Ritardando (rit.) or Rallentando (rall.)



### C. Dynamics

The **volume** of a sound or piece of music.

VERY LOUD: Fortissimo (ff)

LOUD: Forte (f)

QUITE LOUD: Mezzo Forte (mf)
QUITE SOFT: Mezzo Piano (mp)

SOFT: Piano (p)

VERY SOFT: Pianissimo (pp)

GETTING LOUDER: Crescendo (cresc.)
GETTING SOFTER: Diminuendo (dim.)



### D. Duration

The **length** of a sound.



### E. Texture

How much sound we hear.

THIN TEXTURE: (sparse/solo) – small amount of instruments or melodies.



THICK TEXTURE: (dense/layered) – lots of instruments or melodies.

### F. Timbre or Sonority

Describes the unique sound or tone quality of different instruments voices or sounds.



Velvety, Screechy, Throaty, Rattling, Mellow, Chirpy, Brassy, Sharp, Heavy, Buzzing, Crisp, Metallic, Wooden etc.

### G. Articulation

How individual notes or sounds are

played/techniques.

LEGATO – playing notes in a long, smooth way shown by a SLUR.

STACCATO – playing notes in a short, detached, spiky way shown by a DOT.

### H. Silence

The opposite or absence of sound, **no sound**. In music these are **RESTS**.





### I. Notation

How music is written down.

**STAFF NOTATION** – music written on a **STAVE** (5 lines and spaces)

**GRAPHIC NOTATION/SCORE** – music written down using shapes and symbols to represent sounds.





### J. How Music Works

Music can create an **atmosphere** or **ambience** e.g., supermarkets and restaurants.

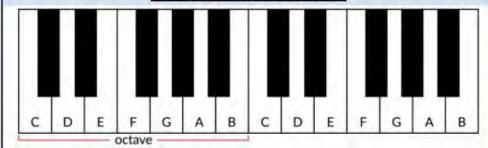
Music can create an **image** e.g., in response to art, a story, a poem, a character, a situation – this is called **PROGRAMME MUSIC**.

Music can be calming e.g., end of an evening in clubs and bars.

Music can be used for **spiritual reasons** e.g., worship, meditation, reflection, hymns and chants, yoga, and spiritual reflection.

Music can be used for commercial purposes e.g., advertising, TV themes.

### A. Layout of a Keyboard/Piano

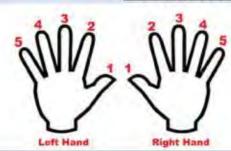


A piano or keyboard is laid out with WHITE KEYS and Black Keys (see section G). C is to the left of the two Black Keys and the notes continue to G then they go back to A again. Notes with the same letter name/pitch are said to be an OCTAVE apart. MIDDLE C is normally in the centre of a piano keyboard.

### D. Keyboard Functions



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





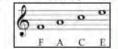
### Exploring Treble Clef Reading and Notation

### B. Treble Clef & Treble Clef Notation

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

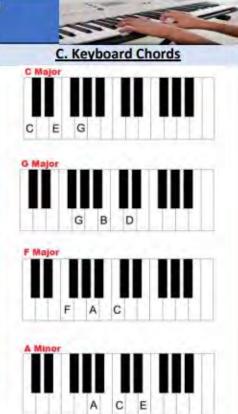
Every Green Bus Drives Fast. Notes in the SPACES spell "FACE"





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



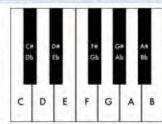


Play one - Miss one - play one - miss one - play one

### F. Black Keys and Sharps and Flats

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

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



### Westhoughton High School – ACTIVITY: Basketball

### Passing:

### Chest pass/Bounce pass:

- W shape with hands on the back of the ball
- Bring hands to chest.
- Step in push ball to partners chest or into floor for bounce pass

### Shoulder pass:

- Start with the arm back behind the shoulder.
- Arm goes straight over the shoulder. Arm follows follow the path of the ball.

### Overhead pass

- Two hand on the ball above your head.
- Take a step toward the teammate with your dominant foot.
- Step forward with the back foot, release the ball forward, and follow through.

### Dribbling

- Keep your head up. Don't look at the BEEF: ball.
- Bend knees for low centre of gravity
- Extend your arm and snap your wrists to send the ball into the ground.
- Use your fingers, not your palm, to control the ball.
- Bounce the ball to hip height and to the side of the body. That will give you more control over the ball make it harder for defenders to steal the ball.
- Use your body and your nondribbling arm to shield the ball from defenders



### Shooting:

- Balance-feet shoulder width apart, bend knees.
- Elbow- 90 degree angle and under ball
- Eyes- Always looking at the target (basket)
- Follow through- Shoot ball by straightening arm, wrist points downwards

- Dribble to the side of net.
- Place the non-shooting hand on the side of the ball, and shooting hand on top of the ball.
- The last step before the lay-up jump should ensure that take off foot is opposite to the shooting hand (left foot/right hand).
- extend the shooting knee and raise the ball up.
- Direct the wrist and fingers straight at the basket and release the ball at the highest point.

### Defending

### Man to Man:

Each player marks their opposing player



### Zonal:

Each player has a zone on the court they must defence



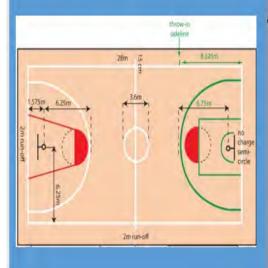
Both defence types can be done full court or half court

- Full court = applying pressure across the entire court.
- Half Court = Drop back to your own half before applying pressure.

### Westhoughton High School- ACTIVITY: Basketball

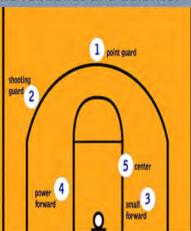
### Rules:

- of 5 players on the court at any one time
- The ball can only be moved by either dribbling (bouncing the ball) or passing the ball.
- Violations in basketball include travelling (taking more than one step without bouncing the ball), double dribble (picking the ball up dribbling, stopping then dribbling again with two hands)



### Positions:

- Point guard direct play going forward and decide which moves the team should make.
- Shooting guard are the main shooter in the team but it is usually from long distance.
- Small forward is normally the tallest player, shooting is a large part of their game.
- Centre will look to score from close to the basket and also block shots and deal with rebounds
- Power Forward specialises on the rebounds and defence.



### **Scoring System:**

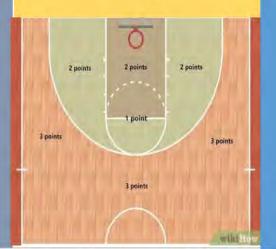
→ Inside three-pt line

Any baskets not scored from the free throw line or from outside the three-point line will be worth two.

→ Outside the three-pt line
These baskets will be rewarded
with 3 points, your feet have to
be behind the 3 point line for it to
count.

### → Free throw line

A free throw from the free- throw line is worth one point. It is an unchallenged shot at the basket. This is awarded after a technical foul, or a personal foul on a player in the act of shooting.



### Tactics:

- →Defending tactics- Full court and half court press
- → Attacking tactics rebounding and manipulating speed of play.



### **Key Words:**

Chest Pass
Bounce Pass
Shoulder Pass
Intercept
Marking
Defensive Third
Centre Third
Attacking Third
Goal Circle
Net
Attacking
Defending
Centre Pass

### WESTHOUGHTON HIGH SCHOOL - PE and Sport Dance knowledge organiser



### Skills and Techniques:

- → Actions (eg travel, turn, elevation, gesture, stillness, use of different body parts, floor work, transfer of weight)
- → Dynamics (eg fast/slow, sudden/sustained, strong/light, flowing/abrupt)
- → Space (pathways, levels, directions, size of movement, patterns, spatial design)
- → Relationships lead and follow, mirroring, action and reaction,, complement and contrast, formations)
- → Timing
- → Rhythm

### Choreographic devices:

- → Motif and development
- → Repetition
- → Contrast
- → Highlights
- → Climax
- → Changes in numbers of dancers
- → Unison and canon.
- → Chance Choreography

### Positions and groupings:

Solo

Duet

Trio Group

Centre stage

Upstage

Downstage

Stage Left

Stage Right

Onstage

Offstage

### Performance skills:

- → Posture
- → Alignment
- → Balance
- → Coordination
- → Control
- → Flexibility
- → Mobility
- → Strength
- → Stamina
- → Extension
- → Focus

### **Key Words:**

Choreography

**Pathways** 

Direction

Level

Speed

Extension

**Timing** 

Phrase

Stimulus







### WESTHOUGHTON HIGH SCHOOL KS3 PE KNOWLEDGE ORGANISER - ACTIVITY: FOOTBALL

### Passing/ Receiving

- Head down and eye on the ball.
- Ensure that non-kicking foot is planted alongside the ball.
- Side footed pass- strike the ball in the centre of the ball.
- Laces pass- strike the ball with the top of your boot to ensure ball stays along the floor.
- Chip pass- strike ball slightly under the ball to gain height.
- Follow through in the direction you want the ball to go.
- When receiving the ball, ensure head is up.
- Eye contact with the passer to receive the ball.
- · On the balls of your feet.
- Check shoulder to see of any defenders

### **Dribbling**

- Keep the ball close to your feet.
- Use the inside and outside of your foot
- Keep head up.
- Use your body to throw the defenders off balance to create space,
- Look for spaces to move the ball into.

### Moving with the ball

- Big touches.
- Use the laces to knock the ball forwards so you can run onto it.
- Accelerate into the run and keep speed up

### Shooting

- Lean forward when you go to kick the ball.
- Make sure your leg is fully extended.
- Lock your ankle into the kick.
- Kick the ball in the centre of the ball.

### **Attacking Play**

- Using different tactics to beat your opponent.
- Working on attacking overloads i.e 2v1 or 3v1.
- Breaking on set plays i.e Corners or Free kicks to gain advantage.

### Heading

- Use the middle of your forehead to head the ball.
- Aim for the centre of the ball.
- Attacking heading and defensive headers.

### **Defensive Play**

- Jockeying your opponent, don't dive in and be patient.
- Force the attacker on their weaker foot.
- Be on your toes.
- Keep your eye on the ball.

### **Key Words:**

Side foot pass
Lofted pass
Corner
Free Kick
Throw-in
Dribble Shoot
Heading
Tackle Jockey
Marking
Attacking
Defending
Crossing





### WESTHOUGHTON HIGH SCHOOL KS3 PE KNOWLEDGE ORGANISER - ACTIVITY: FOOTBALL

### Tactics:

- → Teams attack and defend together
- → Create width to create more space
- → Tactics are also used in different formations and how best they suit different teams.
- → 4-3-3, This formation is great with having the extra midfielder in the middle of the pitch which can add that overload system.
- → 5-3-2, This formation gives more a defensive option but allows the two wing backs to push forward, giving more attacking options.



### Rules:

- → The Game is started by one team in the middle of the pitch
- → One referee officiates the game with the help of two assistant referees
- → Players are not allowed to use their hands or arms to control the ball unless they are the goalkeeper
- → Usually a game consists of 45 minutes each half
- → Depending on the level of football will depend on how many substitutes you can use



### Positions:

- 1. Goalkeeper
- 2. Left Back
- 3. Right Back
- 4. Centre Back
- 5. Centre Defensive Midfielder
- Centre Attacking Midfielder
- 7. Left Wing
- 8. Right Wing
- 9. Striker/Number 9

- Year 7's will play 9 a side which will consist of different formations such as: 3-3-2 or 2-4-2. Year 7 will also play 30 minute games.
- Year 8-11 will be 11 a side games. 35-40 minute games.

### Scoring System:

- → To score a goal, the ball must be put over the line into the goal
- → The team with the most goals at the end of the game wins.
- → Incase of a cup game and both teams have scored the same, it will then go to extra time and penalties



### **Key Words:**

Side foot pass
Lofted pass
Corner
Free Kick
Throw-in
Dribble
Shoot
Heading
Tackle
Jockey
Marking
Attacking
Defending
Crossing

### WESTHOUGHTON HIGH SCHOOL KS3 PE KNOWLEDGE ORGANISER – ACTIVITY: NETBALL

### Skills and Techniques:

### → Catching:

Hands form W shape behind ball. Catch at speed, catch with one hand and catch a ball at different heights

### → Passing:

Perform different types of passes selecting the right pass under pressure. Place throwing hand behind ball, move opposite foot in front of body. Full extend arm when passing, following through with pass.

### → Footwork:

Land correctly wither one foot landing or two-foot landing. Pivot to send the ball in a different direction. Turn in the air where you want to send the ball. Running pass

### → Shooting:

Ball on fingertips, use nonthrowing hand to steady ball. Bend knees and elbows, lifting ball up to net.

### Rules:

- → Game is started by centre pass within the centre third inside the centre circle
- → Two umpires officiate the game and do 1 line
- each → Players are not allowed to travel with the ball
- → Players can only travel in their designated zones.
- → A defending player must stand three feet (1m) away from the person with the ball. Feet before arms.
- → No contact -penalty pass awarded or penalty shot if it occurs in the attacking D.



### Positions:

- GK Goalkeeper
- GD Goal Defence
- WD Wing Defence
- C Centre
- WA Wing Attack
- GA Goal Attack
- GS Goal Shooter
- 7 players in total

### Tactics

- -Set plays from back lines, throw ins and centre passes
- -Move with purpose
- -Defending-3rd stage defending-
- limit opponents' availability

### Scoring System:

- → To score a goal, the ball must be put through the opposition's goal ring
- → The team with the most points at the end of the game wins.

### Tactics:

- → Quick Passing
- → Dodging and changing speed to receive ball
- →Seeing, reading and exploiting space

### **Key Words:**

Chest Pass

**Bounce Pass** 

Shoulder Pass

Intercept

Marking Defensive Third Centre Third

**Attacking Third** 

Goal Circle

Net

Attacking

Defending

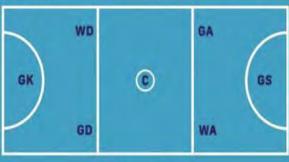
Centre Pass

**Pivot** 

Possession

### NETBALL POSITIONS

**GOAL THIRD** CENTRE THIRD GOAL THIRD



**DIRECTION OF PLAY** 





### **Fitness Components**

**Strength** = The maximum force that can be generated by a muscle or muscle group.

**Muscular Endurance** = The ability of muscles to continually contract over a period of time against a light to moderate resistance load.

Power = The product of strength and speed.

### Muscular system

Arms-Biceps and Triceps
<u>Legs-</u> Quadriceps and Hamstrings



### WARM-UP

### 1. Pulse Raising Activity

- · Pulse raising activities gently raises the heart rate.
- . E.g. Jogging, cycling, skipping.



### 2. Stretches

- Stretches should be dynamic (moving, not held). They prepare the muscles.
- E.g. High knees to stretch the hamstrings, heel flicks to stretch the quadriceps.

### 3. Skill-Based Activity

- This is the final part of the warm-up.
- This is where you familiarise yourself with the skills and actions that will be needed in the session.
- E.g. Passing the ball in rugby.

### Year 7 Term 1: Health Knowledge Organiser

### Sedentary lifestyle

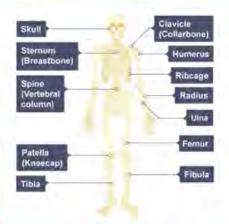
A sedentary lifestyle is one with no or irregular physical activity and an excessive amount of daily sitting.

Consequences of a Sedentary lifestyle-obesity, Depression, Type 2 diabetes, Poor muscle tone, osteoporosis.

Short term effects of exercise on HR and breathing rate =increase Long term effect of exercise =decrease

### Skeletal System

Arms-Humerus, ulna and radius Legs-Femur, Patella, Tibia and Fibula



Key Vocabulary: Pulse raiser Sedentary. Triceps Biceps Humerus Radius. Ulna Femur Patella Tibia Fibula

### KS3 Knowledge Organiser - Health

### Physical Health

### Impacts of poor nutrition and/or lack of exercise:

### Short term:

- stress
- tiredness
- limit capacity to work

### Long term:

- being overweight or obese
- tooth decay
- high blood pressure
- high cholesterol
- heart disease and stroke
- type-2 diabetes
- osteoporosis
- some cancers
- depression
- eating disorders.

### The importance of sleep:

Teenagers need 8-10 hours of sleep every night.

### Not enough sleep causes:

- · Increased risk of obesity
- · Increased risk of injury
- · Increased risk of mental health issues
- · Mood instability
- Forgetfulness
- · Weakened immune system

### How much exercise should you do?







DAMES AND Street or other contacting and agreement with these when bearing

- Jogging or running
- Racewalking
- Hiking uphill
- · Cycling more than 10 miles per hour or steeply uphill
- Swimming fast or lap swimming
- Aerobic dancina, fast dancina, step aerobics
- Heavy gardening with digging. hoeing, shoveling heavy snow, moving or pushing heavy objects, carrying loads of 50 pounds on level ground or 25 pounds or more upstairs.
- Martial arts
- Playing sports with lots of running such as basketball, hockey. soccer
- Singles tennis
- Court sports such as handball. racquetball, squash

### HOW MUCH

### Where to get more help and support:

- Parents and trusted family School Staff and Wellbeing Team
- NHS Eat Well: https://www.nhs.uk/livewell/eatwell/
- British Nutrition Foundation: https://www.nutrition.org.uk/healt hyliving/lifestages/teenagers.html
- . Kids Health: https://kidshealth.org/en/tee ns/dieting.html

### The Eat Well Plate



### Mental Health

### Good mental health means:

- You feel relatively confident in yourself and have positive self-esteem
- You feel and express a range of emotions
- You can build and maintaining good relationships with others
- You engage with the world around you
- You can live and work productively
- You can cope with the stresses of daily life
- You can adapt and manage in times of change and uncertainty

### Take care of your mental wellbeing:







Take care of your physical health.





Focus on your surroundings for two minutes



Don't be afraid to say "No"



Tell yourself that everything will be

### Things to Remember:

- Everyone experiences stress and anxiety at points in their lives. Only a Doctor or Mental Health Professional can diagnose Chronic Stress or an Anxiety Disorder.
- There are treatments available and coping mechanisms.
- Having a stress or anxiety disorder is not a sign of weakness and is more common than people think.

### **Anxiety Disorders:**

- Anxiety is an evolutionary and survival mechanism which is often linked to the flight or fight response. The brain responds to a perceived threat or danger by releasing stress hormones such as adrenaline and cortisol which cause the physical symptoms of anxiety. Once the threatening situation has stopped, the body will usually return to normal. But if someone has an anxiety disorder these feelings of fear and danger can be ongoing and interrupt their daily routine long after the threat has gone. They can make them feel like things are worse than they are.
- Symptoms can include:

Racing thoughts, feelings of dread, heightened alertness, problems with sleep, Changes in appetite, wanting to escape from the situation you are in, sweating, hot flushes, fast heartbeat, extreme tiredness and nausea.

### Chronic stress:

- Some stress is good as it can motivate people however too much can be detrimental, especially if over a long period of time.
- Signs and symptoms of chronic stress can include: irritability, which can be extreme, fatigue. headaches, difficulty concentrating, rapid, disorganized thoughts, difficulty sleeping, digestive problems and changes in appetite, a perceived loss of control, frequent infections or illnesses.

### Where to get more help and support:

- Parents and trusted family
- School Staff and Wellbeing Team
- GP or Practice Nurse.
- MIND https://www.mind.org.uk Help line 0300 123 3393 open 9am to 7pm, Monday to Friday or Text: 86463
- Young Minds https://youngminds.org.uk Text: 85258 or Parents Helpline: 0808 802 5544
- Stem4 https://stem4.org.uk/

### KS3 Knowledge Organiser - Health

### Puberty

### Key words:

- Puberty: The process of physical maturity in a person that takes place in adolescence
- Menstruation: Also known as a period. The process in a woman of discharging blood and other material from the lining of the uterus at intervals of about one lunar month from puberty until the menopause, except during pregnancy.
- Hormones: A chemical substance produced in the body that controls and regulates the activity of certain cells or organs.
- Wet Dream: An involuntary ejaculation that occurs whilst a person is asleep.

### Things to Remember:

- · Puberty begins at different times for different people.
- Changes will happen at different rates and in a different order for different people
- Everyone goes through puberty, you are not alone.
- · A good diet and exercise can help deal with some of the physical changes.
- Puberty is normal despite feeling very abnormal.

### Clitoris Labia majora Opening of urethra Genitalia Opening of Labia minora Hymen Perineum Fernale ( Anus Female Genitalia - internal vagina Male Genitalia

### Physical changes during puberty

### Starts between 10-12

- Facial hair
- Voice breaking
- Erections

Only

- Wet dreams
- Widening of chest & shoulders

### Starts between 9-10

- Menstruation/periods begin Only
  - Breast growth
- Girls Stretch marks
  - Cellulite
  - Hips widen
  - Grow taller

  - Sweat more
    - Changes to hair and skin
  - Spots and pimples

### Where to get more help and support:

- Parents and trusted family School Staff and Wellbeing Team
- NSPCC Helpline: 0808 800 5000 (24 hours, every day) www.nspcc.org.uk
- Childline Helpline: 0800 1111(24 hours, every day)
  - https://www.childline.org.uk
- NHS Live Well Website www.NHS.UK/Livewell

### Personal Hygiene

- Hair: Puberty causes the oil glands in the hair to produce more oil which can make hair more oily meaning that it needs to be washed more regularly.
- Face: During and after puberty people can be more prone to spots and acne. This can be managed using daily face washes. Exfoliants should be used twice weekly to remove dead skin
- Oral Care: Brushing teeth twice a day, flossing and using a mouth wash can prevent bad breath and dental issues. Regular visits to the dentist are also important.
- Body Odour: Due to puberty, sweat glands not only become more active than before, but they also begin to secrete different chemicals into the sweat that has a stronger smelling odour. Daily washing is essential. Anti perspirant's will reduce the amount of sweat you produce whereas deodorants cover the smell and odour.
- Body Hair: Body hair in new places is something you can count on. You may want to start shaving some places where body hair grows, but whether you do is up to you. Some guys who grow facial hair like to let it develop into a moustache and beard. Some girls may decide to leave the hair on their legs and under their arms as is. It's all up to you and what you feel comfortable with.
- Genital Hygiene Women: The inside of the vagina never needs cleaning with the use of soap. It has a natural balance of substances that can become disturbed by washing causing any bacteria that enter to have the potential of developing into an infection. The labia should only need cleaning once a day using a mild soap and water. The area should also be cleaned following sexual intercourse. Over cleaning of the genital area can be harmful and lead to infections such as thrush.
- Genital Hygiene Men: The penis, scrotal area and anus, should only need cleaning once a day. No attempt should be made to try and clean the inside of the urethra; this can cause serious damage. Special care should be taken by uncircumcised men to make sure the head of the penis is cleaned. This can be done by allowing the warm water to act as a lubricant and the foreskin should be gently pulled back. Failure to clean this area properly will result in smegmacollection, causing bad odours and an increased risk of infection. The area should be cleaned after sex, even if wearing a condom, to prevent bacterial build-up and unpleasant smells arising.

### Menstrual Hygiene:

- Wash your hands before and after using a menstrual
- Change your sanitary pad or tampon every 4 hours.
- Use the lowest absorbency product needed.
- Wear breathable (cotton) clothing, especially underwear.
- Keep your genital area clean.
- · Use unscented hygiene products.



### KS3 Knowledge Organiser - Harm

### Eating Disorders

### Symptoms:

- Symptoms of eating disorders will vary between individuals and type of eating disorder. Not
  matching the symptoms exactly does not mean that someone does not have an eating disorder,
  however, some common symptoms include:
- · eating very little food or eating large amounts of food in a short time in an uncontrolled way
- · having very strict habits, rituals, or routines around food
- · Spending a lot of time worrying about your body weight and shape
- · Changes in mood
- · Deliberately making yourself ill after eating
- · Avoiding socialising when food may be involved
- . Withdrawing from social groups, hobbies you used to enjoy or from family life
- Physical signs such as digestive problems or weight being very high or very low for someone of your age and height.

### Where to get more help and support:

- Parents and trusted family or school staff and Wellbeing Team
- Your GP, Practice Nurse, or School Nurse
- Youth Access www.youthaccess.org.uk
- The Mix www.themix.org.uk Freephone: 0808 808 4994 (13:00-23:00
- daily)
- B-eat www.b-eat.co.uk Helpline: 0808 801 0711 (Daily 3pm-10pm)
- Men Get Eating Disorders Too <u>www.mengetedstoo.co.uk</u>
- Anorexia & Bulimia Care www.exiabulimiacare.org.uk Helpline 03000 11 12 13 (option 1: support line, option 2: family and friends)

### Self Harm

 Self-harm - deliberate injury to oneself, typically due to an overwhelming negative mental state.

### Symptoms:

- · Injuries observed on more than one occasion
- Injuries that appear too neat or ordered to be accidental Injuries on areas of the body that can be easily concealed with clothing.
- · Secrecy or disappearing at times of high emotion
- · Negative self-talk feeling worthless, hopeless or aimless

### Self-harm cycle



### Where to get more help and support:

- Parents and trusted family or school staff and Wellbeing Team
- Your GP. Practice Nurse, or School Nurse
- Ring HOPELINEUK on 0800 068 4141 or the Samaritans on 116 123
- Text SHOUT to Shout's textline on 85258
- Stem4 Calm Harm- www.stem4.org.uk

### Female Genital Mutilation

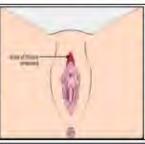
FGM: Female Genital Mutilation (FGM) comprises all procedures that involve partial or total removal of the external female genitalia, or other injury to the female genital organs for nonmedical reasons.

### Why is FGM performed?

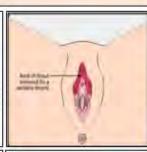
- Preservation of virginity and chastity
- . Religion, in the mistaken belief that it is a religious requirement
- . To ensure the girl is marriageable or to improve marriage prospect
- Belief that it increases the sexual pleasure for the male
- Mistaken belief that it enhances fertility

### FGM and the Law:

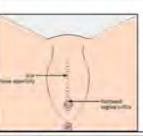
- Over 24,000 girls under the age of 15 living in the UK are at risk of undergoing the most severe form of FGM at any one time.
- Female Genital Mutilation Act 2003 makes it illegal for FGM to be performed in the UK or anywhere in the world on UK citizens or permanent residents of any age.
- If you carry out or help in carrying out FGM or if you arrange for someone to undergo FGM you
  face up to 14 years in prison.
- It is also illegal to take a British national or permanent resident abroad for FGM or to help anyone trying to do this.



Type 1 –
Clitoridectomy:
partial or total
removal of the
clitoris and, in very
rare cases, only the
prepuce (the fold of
skin surrounding the
clitoris).



Type 2 - Excision: partial or total removal of the clitaris and the labia minora, with or without excision of the labia majora (the labia are the 'lips' that surround the vagina).



Type 3 - Infibulation: nanowing of the vagnal opening through the creation of a covering sea. The seal is formed by cutting and repositioning the inner, a cuter, labia, with an without removal of the citias. Sometimes reterred to as Pharaonic circumcision.



Type 4 - Other; all other harmful procedures to the female genitalia for non-medical purposes, e.g. pricking, piercing, incising, scraping and cauterising the genital area.

### Where to get more help and support:

- · Parents and trusted family or school staff and Wellbeing Team
- NSPCC Helpline: 0808 800 5000 (24 hours, every day) www.nspcc.org.uk
- CEOPS https://www.ceop.police.uk/safety-centre/

### KS3 Knowledge Organiser - Harm

### Hallucinogen Stimulant How cannabis affects the body: Reduces the effectiveness of the hippocampus, this causes memory problems. Drug Weakens your immune system. Caffeine Impairs judgement Cocaine Heroin Cannabis Crack Cocaine **Amphetamines** Ecstasy Alcohol It is against the law: To sell alcohol to someone under 18 anywhere. Inhalants Tobacco To give children alcohol if they are under five. LSD 1.5 UNITS E UNITS Magic Mushrooms Steroids Definitions: Normal beer Small glass Strong beer · Stimulant: causes a person to feel half pint half pint (284ml) 4% (125ml) 12.5% (284mil) 6.5% like they have more energy.

125ml) 40%

### Drugs

- Slows your reaction time, coordination, and reflexive responses.
- Increases heart rate and expands blood vessels (resulting in bloodshot eyes).

	Example	Sentence for Possession	Sentence for Dealing
Class A	Ecstasy, heroin, cocaine, magic mushrooms.	Up to 7 years in prison and/or an unlimited fine.	Up to life in prison and/or an unlimited fine.
Class B	Amphetamines, methylphenidate (Ritalin)	Up to 5 years in prison and /or an unlimited fine	Up to 14 years in prison and/or an unlimited fine.
Class C	Tranquilizers, Cannabis, GHB, Ketamine	Up to 2 years in prison and/or an unlimited fine.	Up to 14 years in prison and/or an unlimited fine.

### Alcohol

- For an adult to buy or attempt to buy alcohol on behalf of someone under 18.
- For someone under 18 to buy alcohol, attempt to buy alcohol or to be sold
- For someone under 18 to drink alcohol in licensed premises,

### 3 UNITE 9 UNITS 20 UNITY Strong been Bottle of wine Bottle of spirits Large bottle/can (750ml) 12.5% (750ml) 40% (440ml) 6.5% Government advises alcohol consumption should not

- Depressant: causes a person to feel calmer or lethargic.
- Hallucinogen: causes a person to experience sensations that are not there. This could be visual, auditory, or physical.
- Analgesic: reduces the feeling of

lingle spirit shot. Alcopops bottle (275ml) 5,5% Large bottle/can (440ml) 4.5%



Large glass

(250ml) 12.5%

of wine



3-4 units daily

Women 2-3 units daily

### Smoking & Vaping

### Facts about Nicotine:

- Nicotine is both a stimulant and a depressant.
- When a body is exposed to nicotine, the individual experiences a "kick." This is partly caused by nicotine stimulating the adrenal glands, which results in the release of adrenaline

### Smoking and the law:

### It's illegal:

- For shops to sell you cigarettes if you are under 18
- · For an adult to buy you cigarettes if you are under 18
- To smoke in all public enclosed or substantially enclosed area and workplaces.
- To smoke in a car with a child.

### Facts about vaping

· Users inhale e -cigarette aerosol into their lungs. Bystanders can also breathe in this aerosol when the user exhales it into the air F cigarette aerosol is NOT harmless "water vapor."



- The e cigarette aerosol that users breathe from the device and exhale contain harmful and potentially harmful substances, including:

  - Ultrafine particles that can be inhaled deep into the lungs
  - Flavouring such as diacetyl, a chemical linked to a serious lung
  - Volatile organic compounds C
  - · Cancer-causing chemicals
  - · Heavy metals such as nickel, tin, and lead

### Vaping and the law:

### It's illegal:

- For shops to sell you vapes if you are under 18
- For an adult to buy you vapes if you are under 18
- · To vape in public areas if the property owner has banned it.
- To vape while you're driving (can result in a £2,500 fine).

### Where to get more help and support:

- Parents and trusted family or school staff and Wellbeing Team
- Your GP. Practice Nurse, or School Nurse
- Drink Aware 0300 123 1110 (weekly 9am 8pm, weekends 11am -4pm) https://www.drinkaware.co.uk
- Al-Anon Family Group 0800 0086 811 from 10 am 10 pm, 365 days a year https://www.al-anonuk.org.uk/
- AddAction https://www.addaction.org.uk

# Year 7 Religion & Society - Where do we belong?

## What makes us diverse and what brings us together? Unit 1: Religious Education – Introduction to RE at WHS



- A community is a unified body of individuals with similar characteristics or interests.
- Culture refers to the ideas, customs, traditions and behaviours of a particular group or community.
- We are all members of different communities, which gives us a stronger sense of purpose and belonging.
- Strong, positive communities also help us to develop the tools we need for life's journey and support us.
- Cultural diversity is the idea that a community has lots of different ideas, customs, traditions and behaviours,
- Four ways in which the UK is culturally diverse:
- (1) Different regions.
- (2) Different countries
- (3) Different ethnic groups.
- (4) Different religious groups.
- The census taxes place every 10 years in England and Wales, it asks questions about every household willow helps to build a detailed snapshot of our society.
- Learners explore their own ideas of 'Belonging' to a community as well as their understanding 'Britishness'
- Learners also explore the risks associated with belonging, such as peer pressure and grooming

## What are the benefits of cultural diversity?

People being able to come and live, study or work in the UK from abroad can lead to:

- A more exciting and interesting society.
- New ideas and solutions to problems we have
- More skilled workers and less labour shortages
- More Jobs being created through investment from big global companies.
- A more tolerant and inclusive community.
- Learners can apply these ideas to Manchester.

# What cultural traditions bring communities together?

- Community Cohesion is where a community has a shared sense of belonging and purpose.
- A cultural tradition is an event, ritual, custom or tradition that brings people together.
- Examples in the UK include: Remembrance Day, Bonfire Night, Comic Relief, Mother's Day / Father's Day, The London Marathon.
- Learners can explain now two examples of cultural traditions can strengthen community cohesion

# How did the Uk pecome a multicultural nation?

- The UK has been culturally influenced by different groups who have settled in the UK and brought their cultural traditions and values through:
- Invasion e.g. Romans, Anglo Saxons, Vikings and the Normans all invaded this island.
- Empire, Colonisation and Commonwealth—
  Between the 1700s and 1900s, Britain built a nuge
  Empire across the world which led to citizens from
  other countries settling in the UK to live and work.
- The slave trade was a feature of the British Empire that led to some former slaves settling in the UK.
- Historic labour shortages many men died during WWZ, and the UK appealed for more workers from its former Empire, now known as the Commonwealth.
- Ongoing labour shortages every year in the UK there are sectors that do not have enough workers to meet the country's needs which has led to ongoing economic migration to the UK. The NHS is a good example, relying heavily on foreign workers.
- Protecting the innocent The UK also has a groud record of welcoming refugees from warzones European Union and freedom of movement
- In conclusion, the UK has always been a mongrel nation and the vast majority of us are descendants of people who arrived on poots in search of a better life.

# What are the challenges of cultural diversity?

A culturally giverse community might experience:

- Pockets of prejudice and discrimination
- Hate crime e.g. story of Naveed Yasin
- Complex sense of identity especially if a young person is brought up in a home with several contrasting cultural influences (e.g., religious belief)
- Learners can apply these ideas to the story of Ramla Ali, a female boxer and Olympian originally from war torn Somalia in Africa who fled to the UK as a child

# What shared values pring communities together? Shared values are the beliefs and principles falles

- Shared values are the beliefs and principles (rules for life) that brings a community together.
- We have some shared values in our school that brings our school community together: LEARN
- We also have some shared values in the Uk which give us a strong sense of belonging and purpose, such as: rule of the law, representative democracy, personal freedom and equal opportunities.
- Students can explain each value and give examples of key features to do with this value in the UK.

# /ear 7 Religion & Society - Where do we belong?

## What religions and worldviews shape the UK? Unit 1: Citizenship – Identity & Diversity



# 1.What is a worldview and how are they formed?

- Our worldwiew relates to the beliefs, values and stories that collectively inform the way we live and behave.
- We all have a worldview even if we are not religious or pon't pelieve in God, as we all stand somewhere,
- strangers or enemies How to treat animals, the earth and the environment - God, religion, spirituality, ghosts that we should have - How we should spend our time how the communities we live in should be run. poverty, charity - Views about the laws of the land and How we should treat loved ones - How to treat The values we should live by and the skills and qualities The purpose of life - What we mean by a 'good life'-A person's worldview can be formed by beliefs about. Views about life, death, afterlife - Views about wealth
- experiences, education, media and religion. different factors including: age, family and upbringing friends, where they live, culture, life events and A person's worldview can be influenced by many
- One aspect of a person's worldview is whether, or not they believe in a God. We might pescribe ourselves as:
- Theist Someone who believes in God(s)
- Atheist Someone who does not believe in God(s)
- Agnostic Someone who is unsure if there is a God(s)

## 3. What are the Abrahamic Faiths?

- Judaism (1st = 1500BCE = 3500 years ago)
  Christianity (2nd = 30CE = 2000 years ago)
  Islam (3rd = 610 CE = 1400 years ago)

- Symbols of each faith

## How are the faiths connected:

- Monotheistic believe in 1 God
- Traced back to Abraham (Patriarch) & the Hebrews
- Revelations or prophecy is important
- Linked through the city of Jerusalem
- The person of Jesus connects the faiths
- omniscient (all knowing), omnibenevolent (all loving) All three believe God is omnipotent (all- powerful).

## 5. What are the Dharmic Faiths?

- Hinduism (1st 2000-3000 BCE 4k to 5k years ago)
- Buddhism (2nd 560 BCE 2500 years ago)
- Sikhism (3rd 1500 CE 500 years ago)
- Symbols of each faith
- study is Hinduism and the youngest is Siknism The oldest of the 6 world religions we will

## How are the faiths connected:

- All three originate from the Indian sub-continent
- The concepts of Dharma, Samsara, Karma, Moksha
- Celebrate similar festivals e.g. Diwali

# 2. What is a religion and how do we study them?

- From the Latin religio, meaning to bind or connect
- Historically, humans have always asked big questions live a good life whilst we are here in this world. about their place in the universe and what it means to
- Over time, religion has developed in response to these big questions about life, truth and meaning.
- that enables all who participate in it to seek and experience a sense of truth, purpose and belonging. Religion, at its heart, is supposed to be a great uniter
- a force for good in the world in which we live groups inspired by the religious faith who have been There are many famous examples of individuals and
- with one another one to contrasting religious beliefs individuals and groups have come into conflict However there has also been examples of where
- a person's worldview and the way they live their lives Consequently, religious belief can significantly shape
- Though hard to define, religion seems to be a universal experience and need,
- not believe in a specific religion. billion people say they do not believe in a God or do Of the nearly 7 billion people on Earth only just over 1
- of knowledge: theology, philosophy, social sciences. The study of religion is made up of several branches

# 4. What are key features of the Abrahamic Faiths?

Hashanan worship is synagogue – Festivals include Pesach & Rosh Judaism: Followers referred to as Jews – Famous holy book is the Torah - Founder is Abraham - Place of

worship is a church - Festivals include Christmas & Holy book is the Bible - Founder is Jesus -- Place of Christianity: Followers referred to as Christians - Famous

is Qur'an - Founder is prophet Muhammad - Place of worship is a mosque – Festivals include Eid-ui-Fitr / Adha Islam: Followers referred to as Muslims - Holy book

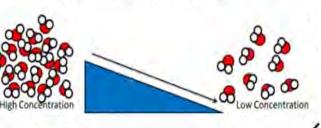
# 6. What are key features of the Dharmic religions?

worship is a Mandir - Festivals include Diwali & Holi. holy book is the Vedas - No known founder - place of Hinduism: Followers referred to as Hindus - Famous

noly book is the Tripitaka - Founder is Prince Siddhartha book is Guru Granth Sahib - Founder is Guru Nanak -Sikhism: Followers referred to as Sikhs – Famous holy Monastery – Festivals include Wesak & Bodhi Day. Buddhism: Followers referred to as Buddhists – Famous Place of worship is gurdwara - Festivals include Vaisakhi Gautama – Place of worship is the Buddhist Temple or

### KS3 Biology: Cells

**Diffusion** is the movement of a fluid (a gas or a liquid) from a high to a low concentration along a concentration gradient.



Microscopes are used to view objects much smaller than we would be able to see with our eyes. They use 2 lenses – the eyepiece and the objective lens. We focus on the

specimen we are

looking at.

Cells. There are 2 types: 1 with a nucleus (eukaryotic, our cells), 1 without a nucleus (prokaryotic).

Common components of eukaryotic cells are: cell membrane, nucleus, cytoplasm, mitochondria.

Plant cells also have a cell wall, vacuole and chloroplasts.

### Hierarchy of organisms

Cells are the smallest living entity. Tissues are groups of cells working together.

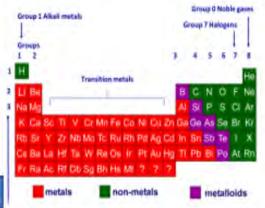
Organs are groups of tissues. Organ systems are groups of organs.

Complex organisms need these structures to allow for diffusion.

### Keywords

- Diffusion
- Concentration
- Eukaryotic ell
- Prokaryotic cell
- Cell membrane
- Cytoplasm
- Nucleus
- Mitochondria
- Cell wall
- Vacuole
- Chloroplast
- Multicellular
- Tissue
- Organ
- Organ system
- Focus

### KS3 Atoms, Elements and Periodic Table



The modern periodic table is arranged according to increasing atomic number







Corrosive Toxic PH

Non-Metals

often have properties

the opposite of metals

· low boiling points, so

are gases at room

poor conductors of

electricity and heat

· dull in appearance

temperature

low density
 brittle and not

sonorous

### Keywords

- Periodic Table
- Element
- o Groups
- Periods
- Alkali Metals
- Transition Metals
- Halogens
- o Noble Gases
- o Atoms
- Electrons
- o Protons
- o Neutrons
- Nucleus
- Electron Shells

### Metals

- normally good conductors of heat and electricity
- · shiny when cut
- Malleable
- dense and sonorous
   most have high
- melting points

Mass number = Number of protons + neutrons	Protons and neutrons are found in the
Atomic number or proton number = 6	nucleus .
Number of	Electrons are
protons	found in shells

Columns of elements are called groups

Rows of elements are called periods

An atom is the smallest part of an element that cannot be broken down

chemically. It is comprised of sub-atomic particles: protons, neutrons, and

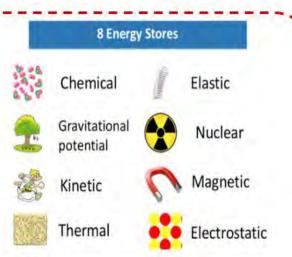
Groups of elements have similar properties:

Particle	Mass	Charge
proton	1	*1
neutron	1	0
electron	almost 0	-1



electrons.

### KS3 Energy



Energies that are always transferred: Light and Sound

### **Energy in Food**

Chemical energy is stored in food and drink. Energy in food is measured in kilocalories (kcal). Carbohydrates and fats are the main

chemical store.

### **Energy Basics**

Energy is measured in **Joules** (J).

Energy transfers when:

- · Something moves
- · Something is heated
- A waves moves
- · Something is distorted
- Chemical reaction happens

### **Conservation of Energy**

**Energy** cannot be created or destroyed. Energy can only be stored, usefully transferred, or dissipated.

The total energy before and after a change in a **system** is constant.

A **system** is an object or group of objects where the net energy change is 0J.

### SOURCES OF ENERGY



Renewable: replenished as quickly as they are used

Non-renewable: Finite resources, will eventually run out.

### Keywords

- Energy store
- o Transfer
- o System
- o Dissipated
- Kilocalories
- Carbohydrates
- Biomass
- o Geothermal
- o Energy
- o Fuel
- Fossil Fuel
- Renewable
- Non-renewable
- Power
- Work done
- Temperature
  - Thermometer

### KS3 Energy

### Renewable energy resources

### Advantages:

- Renewable
- No CO<sub>2</sub> gas released
- · Not reliant upon Earth's natural resources

### Disadvantages:

- Destroy habitats
- · Many are weather dependent (wind, solar)
- Expensive to build and run

### Non-renewable energy resources

### Advantages:

- · High energy stored
- · Readily available

### Disadvantages:

- · Releases greenhouse gases (fossil fuels only)
- · Finite (will run out)
- · Cause acid rain
- · Makes Radioactive waste (nuclear only)

### Fossil fuels









Made over millions of years from dead living things.

### Cost of Energy

**Power** is the rate of energy transfer. Power is measured in Watts (W). Electrical devices are given a power rating depending on how quickly they transfer energy every second.

Energy companies charge users using this equation:

Cost = power (KW) x time (h) x cost per KWh

We can reduce energy use or use more efficient methods to reduce cost.

### **Making Transfers Easy**

Work is the amount of energy transferred when an object moves against a frictional force.

**Work done** is measured in Joules (J).

Reducing the amount of work, makes moving objects easier. This can be done using:

- Levers
- Pulleys
- Lubrication

### Temp vs Thermal

**Temperature** is the measure of how hot something is. A **thermometer** is used.

Thermal energy is the energy that makes something hot.