Year 7 Knowledge Organiser

Spring Term 2020/21

Name:

Form:



Contents Page

Page	Content
3	Instructions
4 – 5	How to Self-test
6 – 7	Homework log and parental check
8-9	Reading log
10 – 11	Art
12 – 13	Citizenship
14 – 15	Computing
16 – 17	Drama
18 – 19	English
20 – 25	Food
26 – 27	French
28 – 29	Geography
30 – 31	German
32 – 33	History
34 – 35	Mathematics
37	Music
38 – 39	PE
40 - 41	Religious Studies
42	Science – Chemistry
43	Science – Physics
44 – 45	Spanish
46 – 52	Technology
53 – 55	Note pages

Instructions for using your Knowledge Organiser

Every school day, you should study 1 to 2 subjects from your knowledge organiser for homework lasting at least 1 hour in total.

On pages 6 and 7 there is space for you to record the subjects you have studied to make sure you are giving equal time to all of them. Your parent should sign off your homework each evening on these pages.

Your parent should also sign your reading log on pages 8 and 9.

You can use the note pages in this booklet to help with your studies.

You need to bring your Knowledge Organiser to school every day. It will be checked regularly during form time.

You will be regularly tested on knowledge contained in this booklet in your lessons and through quizzes on Show My Homework.

Self- testing

You can use your Knowledge Organiser in a number of different ways but you should not just copy from the organiser. Use the following tips and guidance to help you get the most out of learning and revising your subject knowledge.

These are some possible tasks you could try:

- Ask someone to write questions for you
- Write your own challenging questions, leave them overnight and try answering them the next day
- Create mind maps
- Create flash cards
- Put the key words into new sentences
- Look, write, cover and check
- Write a mnemonic

- Use the 'clock' template to divide the information into smaller sections
- Give yourself a spelling test
- Give yourself a definition test
- Draw images and annotate/label them with extra information
- Do further research on the topic
- Create fact files
- Create flowcharts
- Draw diagrams

How to self- test with the knowledge organiser

The Knowledge Organisers are designed to help you learn a wide range of knowledge which will, in turn, mean you are more prepared for your lessons and make even better progress.

To get the most out of your Knowledge Organiser you should be learning sections and then self-testing.

Look, Cover, Write, Check, Correct

This should be familiar to you from primary school.

First	Next	Now	Finally
Look, then cover this colum	try to answer/give definition/spell	Check to see if you were right	Correct those you got wrong
_ook	Write	Check	Correct
Noun	Person place or thing		
Belief	Something you believe	Y	Accept true without proof

Questions/Answers, Answers/Questions

Ask a parent, carer, study partner to write you questions (or answers) and then you write the answer (or possible question that would respond to that answer). You can also write your own questions but if you do this leave it until the next day before you answer them to see what you can remember after a break.

Always remember to check and correct

Flashcards

These are a very good and simple self-testing tool.

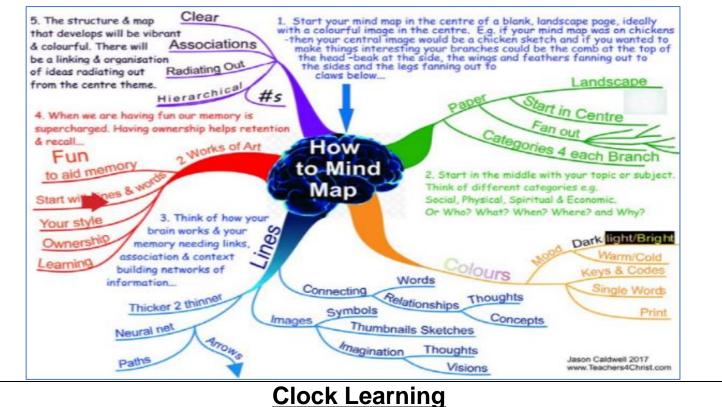
To make your own, take some card and cut into rectangles roughly 10cm x 6cm. Write the key word on one side and the definition on the other.

Then go through your cards looking at one side and seeing if you can remember the keyword/definition on the other side.

Mind Maps

Mind mapping is a process that involves a distinct combination of imagery, colour and visual-spatial arrangement. The technique maps out your thoughts using keywords that trigger associations in the brain to spark further ideas.

Once you have made your map, cover it and test yourself on different strands, e.g. how much of the 'Lines' strand can you recall.



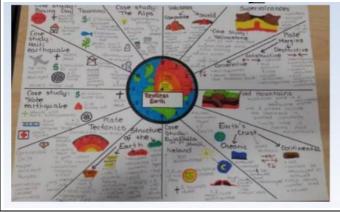
For this technique, draw a basic clock.

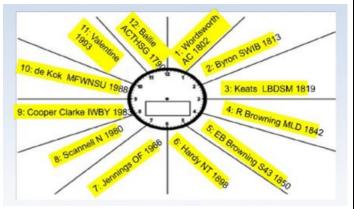
Take a subject or topic and break it down into 12 sub-categories.

Make notes in each segment of the clock. Revise each part for 5 minutes.

Now the clock over and try and write out as much information as you can from one of the segments.

Clocks can also be used to help to visualise a timeline





Homework log and parental check

Week 1	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 2	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 3	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 4	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 5	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 6	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 7	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			

Homework log and parental check

Week 8	Subject 1	Subject 2	Signed
Monday		•	Ŭ
Tuesday			
Wednesday			
Thursday			
Friday			
Week 9	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 10	Subject 1	Subject 2	Signed
Monday		-	
Tuesday			
Wednesday			
Thursday			
Friday			
Week 11	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 12	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 13	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 14	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			

Reading log

Use this reading log to record the books you read along with how long you have spent reading and the Accelerated Reader quizzes you have completed.

Week	Mon	Tue	Wed	Thu	Ë	Sat	Sun	Book(s) read (title and author)	T otal time spent reading	Parent/Guardian /Staff signature
T.										
2										
m										
4										
ß										
9										
2										

Reading log

Use this reading log to record the books you read along with how long you have spent reading and the Accelerated Reader quizzes you have completed.

Week	Mon	Tue	Wed	Thu	Fri	Sat	sun	Book(s) read (title and author)	T otal time spent reading	Parent/Guardian /Staff signature
8										
6										
01										
11										
12										
13										
14										

Year 7 Spring Term Knowledge Organiser 2021

Art – Mark Making & Impressionism:

Mark making is a term used to describe the different lines, patterns, and textures we create in a piece of art. It applies to any art material on any surface.

	Art Specific Language and Terms	age and Tern	SL
Watercolour	Watercolour is a painting method in which the paints are made of pigments suspended in a water-based solution.	Plein Air	Plein air painting is about leaving the four walls of a studio behind and experiencing painting and drawing in the landscape.
Layering	The process of layering while painting makes it easier to add surface texture, subtle colour changes and depth in a piece of art.	Realism	Realism was a mid nineteenth century artistic movement where artists painted from everyday life in a naturalistic manner. The term is also used to describe artworks painted in a realistic almost photographic way.
Directional Line	Lines can lead the eye around an image and they can also be used to express something to the viewer e.g. shape or movement.	Impressionism	A theory or practice in painting especially among French painters of about 1870 of depicting the natural appearances of objects by means of dabs or strokes of primary unmixed colours in order to simulate actual reflected light.
Texture	Texture relates to the surface quality of a work of art.	Post - Impressionism	Post-Impressionism is an art movement that developed in the late 19 th century. It a subjective approach to painting and artists opted to paint emotion rather than realism in their work.

Vincent Van Gogh was a Dutch post-impressionist painter who is among the most famous and influential figures in the history of Western art.





Year 7 Spring Term Knowledge Organiser 2021

Art – Impressionism – Van Gogh:

Vincent Van Gogh was a Dutch post-impressionist painter who is among the most famous and influential figures in the history of Western art.

	Art Specific Langu	cific Language and Terms	NS	
Realism	Realism was a mid nineteenth century artistic movement where artists painted from everyday life in a naturalistic manner. The term is also used to describe artworks painted in a realistic almost photographic way.	Post - Impressionism	Post-Impressionism was an art movement that developed in the late 19 th century from Impressionism. It is a subjective approach to painting and artists painted emotions rather than realism in their work.	
Impressionism	A style of painting especially among French painters around 1870 of depicting the natural appearances of objects by means of dabs or strokes of primary unmixed colours in order to simulate actual reflected light.	Plein Air	Plein air painting is about leaving the four walls of a studio behind and experiencing painting and drawing in the landscape.	

Why is it called Impressionism?

Impressionist artists were not trying to paint a reflection of real life, but an 'impression' of what the person, light, atmosphere, object or landscape looked like to them. And that's why they were called impressionists! They tried to capture the movement and life of what they saw and show it to us as if it were happening before our eves.

Some of the main impressionist artists are Claude Monet, Camille Pissarro, Alfred Sisley, Auguste Renoir, Mary Cassatt and Edgar Degas.

How did they Paint?



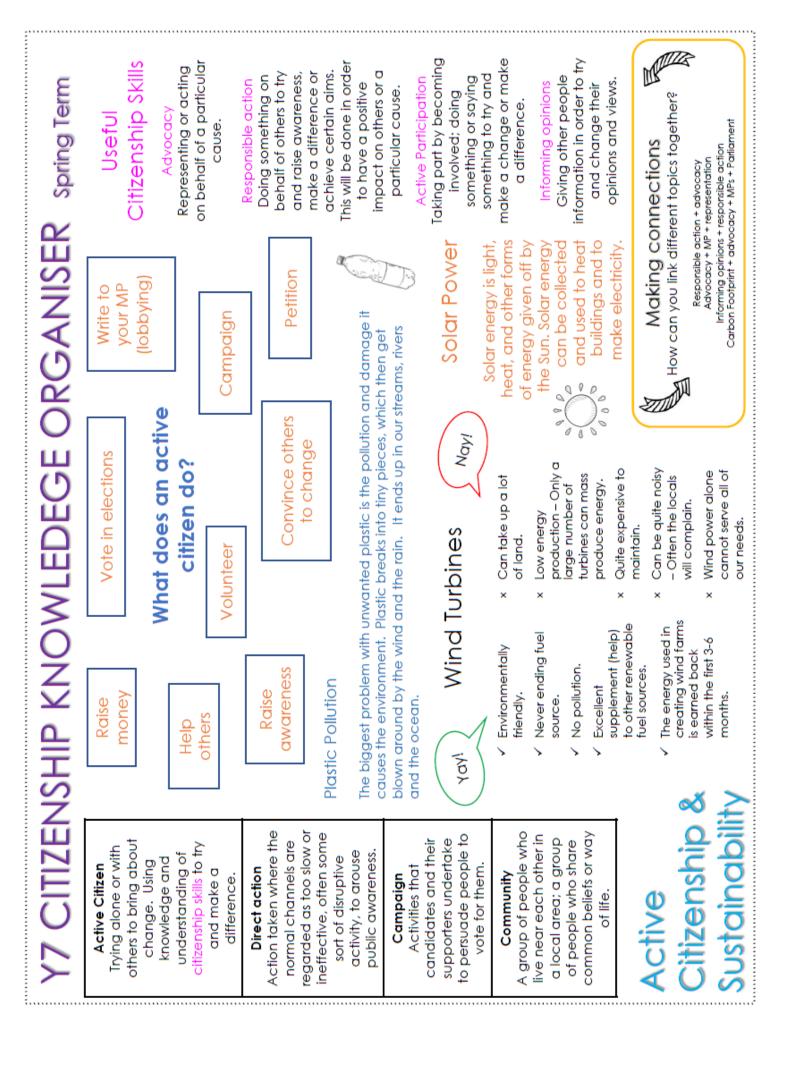
John Singer Sargent Claude Monet Painting by the Edge of a Wood 21885



Camille Pissarro The Pork Butcher 1883

(and quite messy) brush strokes. In most of the paintings before impressionism you can't really see Before impressionism, landscapes in art were often imaginary, perfect landscapes painted in the studio. The impressionists changed all that. They painted outdoors. As they were outside, they looked at how light and colour changed the scenes. They often painted thickly and used quick the brushstrokes at all.

R Spring Term	What is the purpose of the media? Educate	Inform	Check	Entertain Corcom are an independent organisation who make sure that each TV who make sure that each TV audience.
Y7 CITIZENSHIP KNOWLEDEGE ORGANISER	Tabloid Vs Broadsheet	Tend to be less 'serious' than some other newspapers.	Rarely contain much celebrity gossip.	d e date stories can g because nean they'r oday.
WLEDEGE	Making connections How can you link different topics together? Accountability + TV + newspapers Educate + inform + check + entertain New media + E-media Broadsheet + tabloid + newspaper Ofcom + TV Politicians + Media	Have smaller headlines, with detailed articles,	Tend to include lots of gossip and celebrity news as well as mostly national news.	check t are they and reliand television and radio
ISHIP KNOV	How can you link of Accountabiled accountabiled New m Broadsheet + info	Have large headlines usually with short articles.	More educational, with key focuses on political, financial, national and international news	Fake News - Inaccuro Pay authors to trick the Pow To SP. I TAKE NEW <
Y7 CITIZEN	Media Different methods of delivering a message, story or information to a large audience Mass Media Different methods of delivering a message,	story or information to a large audience Broadsheets	Have smaller headlines, with detailed articles. They are considered to be a more educational	unewspaper with key focuses on political, financial, national and international news. Broadsheets rarely contain much celebrity gossip. Tabloids Have large headlines usually with short articles. Also tend to include lots of gossip and celebrity news as well as national news. Most tabloids tend to be less 'serious' than some other newspapers. Why is the important?



Cell ReferenceThe naRowA rangRowA vertiColumnA vertiColumnA vertiColumnA vertiColumnA vertiColumnA vertiColumnA vertiSheetA singlSheetA colleWorkbookA colleFormulaA mathTabThe bu	The name of an individual cell (The coordinates to a cell)		
			Ì
	A range of cells that go across (horizontal) the spreadsheet.	t. Rows have a number.	7
ook la	A vertical range of cells. Columns have a letter.		
ook la	A rectangular box that can contain any value		
rkbook	A single page in a spreadsheet document		
mula	A collection of sheets		qı sp th
	A mathematical operation performed on values in the spreadsheet	eadsheet	uote ⁻ bace t
	The button that changes which sheet you are looking at	the an	/our i from to em kt box
Formatting The ap	The appearance of the cell (Colour, font size, type and colour.	our. Borders	the c iphas
Conditional Formatting This ch	This changes the format of a cell based on what condition you enter.	you enter.	locur ize a
If Statement A func	A function that sees if a condition is met. If it is met a true	e value is returned if not a false.	nent key p
Cell Replication Copyin	Copying of data in a cell to another cell		or us point.
Validation	Where the computer checks your data entry to see if it is	allowed.	e this To p
Absolute Cell Reference Makes	Makes the cell static (Will not change when copying a formula	nula)	lace
Colon : Define	Defines a range of cells. Colon in effect means to e.g A2:D5	5	
Static Cell A cells	A cells value that has to be changed manually	2	
Dynamic Cell	A cell value changes automatically based on contents from	n another cell.	04 000
=Sum	Adds the values of a cell range		
=Average	If inds the average value of a range		Recommended
Key Formulas	Finds the maximum value in a range		nours per Day
=Min	Finds the minimum value in a range		4
=IF	Used to create an IF statement		1

Algorithm	An algorithm is a list of step-by-step instructions that when followed will solve a problem.
Flowchart	A flowchart is a way of showing all the steps in an algorithm or problem visually in a diagram.
Terminator	The symbol used in a flowchart to start or stop.
Decision Box	The diamond shape used in a flowchart so the user makes a decision, normally either yes or no.
Mimic	The interactive image used in Flowol to use alongside the flowchart.
Subroutine	A set of instructions made to perform another operation within a program.
Cryptography	The art of creating codes.
Cryptology	The study of codes – both creating and solving them.
Caesar Cipher	The first modern cipher code, developed by Julius Caesar.
Barcode	A combination or lines and numbers which stores information – product identification, the size/weight of a product, where the product comes from and the manufacturer. It does not store the product name or the price.
Barcode Reader	A device that is used to read the information from a barcode. Either a barcode scanner at the checkout or a hand held barcode reader.
Check Digit	The check digit is the final number. It is used by the computer to check all the other numbers have been entered correctly.
Data Matrix Codes	A two-dimensional code made of black and white cells or dots in a square or rectangular pattern. The information is encoded to hold text or numeric data.
QR Codes	A Quick Response code is a two-dimensional barcode. It is machine readable which contains information about the item it is attached to.
Ecommerce	Electronic commerce – means to buy or sell good and/or services online.
Encryption	Converting information into secret code that hides the information's true meaning.
Decryption	The process of taking encrypted data and converting it back into text that you or the computer can read and understand.
SSL	Secure Socket Layer. An encryption method that encrypts purchase details when online shopping. It gets switched on when you visit a secure server.
Public and Private Keys	An encryption/decryption method that uses an algorithm that makes two keys – a public one and a private one. The public key is given to anyone, but it can only encrypt. The private key is what is needed to decrypt and is kept private.

Computing – Flowol and Cryptology Keywords

Drama - Genre

- Genre can be defined as a style or category of drama, art, music, or literature
- A theatre practitioner is a person or theatre company that creates practical work or theories to do with performance and theatre. The list of theatre practitioners is constantly changing and evolving, as people are always creating new work and coming up with new thoughts and methodologies for theatre and performance.

Some examples of <u>theatre practitioners</u> include

Greek Theatre, Brecht, Stanislavski, Kate Mitchell, Steven Berkoff, John Godber or Gecko. These **practitioners** have very different and exciting approaches to Drama!

time can be very useful for helping to shape ideas when we are devising and considering how we can create. Various genres may Why do we study theatre practitioners and genres? Looking at how theatre has changed, developed and progressed over avour certain types of staging, acting and/or design ideas which can influence our practical work.

Theatre roles:

theatrical genres and styles include The genre of a performance refers the style refers to how the work is to the type of story being told, and Practitioners usually stick to a genre or style and this is often presented on stage. Popular Theatre in education (TiE) (but are not limited to): **Commedia Dell'arte** inked with their work Physical theatre Political theatre Epic theatre Melodrama Absurdism Surrealism Realism Comedy **Fragedy** Gothic

Cast: All of the performers including the leads and chorus <u>Director:</u> Theatre directors set their artistic vision for a play, including selecting the cast, collaborating with designers, blocking the play's movements, leading rehearsals, and monitoring the production's pacing. They may be influenced by a particular **practitioner's** ideas or the **genre** they

are using. Stage production team: Stage production workers handle the behindthe-scenes tasks that are necessary for putting on theatrical performances. Their responsibilities include costume and set design, installing lights, rigging, sound equipment, and scenery, and set building for events in parks, stadiums, arenas, and other places.

<u>Theatre techniques</u> are the things we include within performance to ensure a successful presentation of a play. They also include any rehearsal practices that advance and enhance the understanding of the audience through the acting of the cast on stage. An example of this might be to explore **proxemics** on stage... **Proxemics** is when the performers show characters relationships through their use of space on stage.

<u>Practitioners / Genre</u> can also be associated with their use of techniques within their work and some become recognisable features.

Drama - Physical Theatre

Devising from a Stimuli....

your devised drama. It is what you base your drama around. It What is a stimulus? The starting point, idea or inspiration for What is devising? Creating a piece of drama collaboratively. could be a poem, a song, a piece of art, etc.

Definition	Communicating a story or meaning through movement	Using your body to create the idea of a prop	Using your body to show a particular emotion	A sequence of movement, often performed by two people, which involves partners moving round, by and through one another.	A sequence of contact movement, often performed by two people, that involves moving hands on each other's torsos.	A series of contact movements that are performed mainly on chairs, often between two people.	A rehearsal technique where you write down the thoughts and feelings a character has on the inside and how they show them on the outside.	Movement or sound/speech that is performed one after the other.	Movement or sound/speech that is performed at the same time, in synch.
Vocabulary	Physical theatre	Bodies as props	Physicalising emotions	Round by through	Hymns hands	Chair duets	Role on the wall	Canon	Unison

Things to consider when devising from a stimulus:

- What does the stimulus mean to you? Keep it simple
 - What thoughts and feelings does it communicate?
- Pick one and explore it
- Do we need to start with a story to communicate meaning?
- the audience thinks it means/communicates Create a piece of movement and see what It's ok to make the audience think – not everything needs to make sense

called Frantic Assembly. The genre of their Some of the techniques used this half term were from the theatre company/practitioner The techniques we used are known as work is physical theatre. building blocks.

Round, by Through Hymns Hands Chair Duets

Year 7, Unit 2 Characterisation & Setting

Writers create characters and settings that reflect the themes they want to explore. Students of English notice this and can comment on how a writer's choices around charactersation and setting contribute to the overall meaning of a text.

Settings

A setting is any place that features in a story. It's where parts of the story play out. The main setting in *The Graveyard Book* is the graveyard itself.

Writers use settings to reflect genres, characters and themes.

Perhaps The Graveyard Book is set mostly in a graveyard:

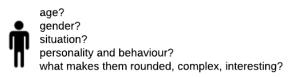
--to reflect the gothic elements of the story - it's a dark tale with a sinister character, Jack Frost, at the heart of it.

--to reflect the idea of a character, Bod, who is caught between worlds - he is a living boy who exists in the realm of the dead

--to make us think about the cycle of life - about being born and growing up, living and dying

Characters

Writers create characters to help them explore themes. It would be quite hard to expore ideas about growing up, and how tough it can be, without featuring a child who is growing up! But it doesn't stop there. That character's personality and behaviour has to reflect the writer's ideas about growing up too. For example, they might create an adventurous character to suggest that taking risks and making mistakes is an important part of growing up. They couldn't really do that with a character who was too shy and quiet to ever take a risk.



Relationships

Relationships **between** characters are also very important. We learn a lot about human behaviour from the way characters interact. Actor, Tom Burke, says that:

[Storytelling] "is more about the spaces between characters rather than the individual characters themselves."



Poetry

Poets also create characters. The narrator, or 'voice' of the poem, is also a character. This character might be very similar to, or very different from the writer themselves. The wirter will once again chose the best character/narrator to help them explore the themes they're most interested in. In *Not My Business*, Niyi Osundare creates a selfish character, very unlike himself, to explore the idea that people should stand up to oppression and look after each other, not ignore it.

Non-fiction

Journalists and travel writers, even people writing autobiographies, create a version of themselves to tell their 'story'. It might be that they show their playful, funny side, like Bill Bryson often does; it might be that they show their anger about something they think is wrong in the world. Sometimes autobiographers present themselves much more positively than other people might, editing out all the things they don't want the public to know! Students of English think about how writers create characters and settings that allow them to explore the themes they are interested in writing about.

We ask ourselves how these choices reflect a writers ideas and intentions.

A Worked Example of Thinking in English

Writers create characters and settings that reflect the themes they want to explore.

In *The Graveyard Book*, Neil Gaiman created characters and settings that would help him to explore common struggles we all experience as we grow up, as well as create an entertaining gothic story.



Gaiman's intentions in exploring aspects of growing up within a gothic story



+

The Graveyard Book: a gothic story in which a young boy grows up in a graveyard.

examples

Students of English explore texts by tracking ideas and examples

Gaiman is interested in exploring the idea that relationships, especially those between children and the adults who raise them, can be difficult sometimes even when bonds are strong. He also suggests that children often find feelings hard to deal with.

ideas

Gaiman wants to explore the idea that our relationship with important places in our lives change as we grow older. He uses the setting to do this. In particular, he shows how our relationship with home changes once we become old enough to head out on our own. Gaiman characterises Bod as a boy who has grown close to his mentor and is hurt when Silas has to leave him. He takes this apparent abandonment very personally and struggles to process his feelings. Gaiman writes, 'Bod snorted and walked off, kicking at imaginary stones.'

Bod's relationship with the graveyard itself changes. By the end of the novel, he is losing his ability to see the dead. He is also restless to explore the world on his own and has to leave his home to do that.

Food Technology - Topic 1: Getting Ready to Cook

Personal hygiene – before starting to cook, you need to get yourself ready:

- 1. Taking off outdoor clothing (coats, blazers, jumpers and ties) and putting on a clean apron
- 2. Tying up long hair
- 3. Cleaning hands with hot soapy water

Good personal hygiene will stop you cross-contaminating food with the harmful bacteria that causes food poisoning. When preparing food you should not be eating your ingredients or licking your fingers.

Ingredients – you need to weigh and measure all the foods you need for a recipe before coming to school.

Equipment – all the equipment you need to prepare and cook food can be found in the kitchen cupboards and drawers in school.

Knife safety – when using a knife to prepare food you need to follow these important rules:

- 1. Collect the knife by holding the handle and pointing the blade downwards
- 2. Choose the correct chopping board
- 3. Use bridge and claw to keep your fingers away from the sharp blade
- 4. Avoid putting your finger on the top of the blade
- 5. Wash the knife up first (don't leave in the bottom of the sink)

Cooker safety – you will be using all parts of the cooker (hob, grill and oven). Follow these important rules:

- 1. Always use oven gloves for the grill and oven
- 2. Bend your knees to see if your food is cooked don't get on your knees
- 3. Adjust the temperature of the hob if food is cooking too quickly or is about to boil over
- 4. Point handles of saucepans to the side so you don't knock them

Heat transfer – food is cooked by transferring heat by conduction (heat from the hob warms up the saucepan and the food inside it), convection (e.g. heat in the oven warms up the air which circulates around the food to cook it) or radiation (heat from the grill radiates downwards to cook food).







Food Technology - Topic 2: Healthy Eating

We need food for growth and repair of cells, energy, warmth, protection from illnesses and keep our bodies working properly.

Food is made of 5 nutrients. Each nutrient does a different job in the body. Eating a balanced diet means we get all the nutrients we need for a long and healthy life.

The amount of energy we need depends upon our age, gender, activity level and body size. If we eat more food than we need, and don't use it up by exercising, any energy that's left is turned into fat and we put on weight. If we eat less food than we need, the fat stores are used up and we may end up losing weight.



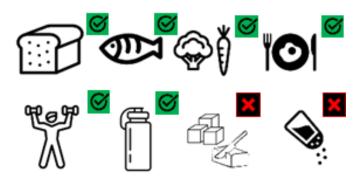
The Eatwell Guide shows how eating different foods can make a healthy and balanced diet. It divides up different food groups and shows how much of each group is needed. Extra information about the amount of water we need and the labels on food packaging is also provided.

in the second

There are also eight guidelines for a healthy lifestyle. They are:

- 1. Eating at least 5 portions of fruit and vegetables every day
- 2. Eating higher fibre starchy foods like potatoes, bread, rice or pasta
- 3. Eating less food high in fats and sugar
- 4. Eating less salt
- 5. Eating more fish including one portion of oily fish
- Drinking plenty of fluids (at least 6 to 8 glasses a day)
- 7. Being more active
- 8. Eating breakfast every day

8 healthy eating tips



Food Technology - Topic 3: Fruit

Fruits are an important part of a balanced diet and should make up two portions of your 5-a-day.

Fruits contain a variety of micronutrients, for example Vitamins C and A, and they are also a good source of fibre.



There are different types of fruit:

- 1. Soft fruits e.g. raspberries and strawberries
- 2. Citrus fruits e.g. lemons and limes
- 3. Stone fruits e.g. plums and apricots
- 4. Tree fruits e.g. apples and pears
- 5. Exotic fruits e.g. bananas and kiwis
- 6. Dried fruits e.g. currants and sultanas

Fruits can be eaten fresh, frozen, canned or dried. They can be preserved in jams or puréed to make a sauce.

Some fruits are grown in the UK and some are imported from other countries. If imported they can travel thousands of miles to get to the shops. The distance travelled between where food is grown and your table is called a 'food mile'. Pollution from food miles can harm the environment.

Most fruits grown in the UK have a growing season - a time of the year when the growing conditions are best. Choosing seasonal foods has many advantages:

- 1. They have more nutrients as they are fresher
- 2. They are cheaper because they are plentiful
- 3. If grown locally you can support local farmers
- 4. The food miles will be lower so it's less harmful to the environment

There are some disadvantages too. Only eating seasonal or local foods means that your favourite foods might not be available all year round. Your diet could also lack variety.

Some fruits, for example apples, will spoil if you cut them and their cells are exposed to oxygen in the air. This is called enzymic browning and it can be prevented by covering the fruit with fruit juice or syrup.



Food Technology - Topic 4: Vegetables

Vegetables are an important part of a balanced diet and should make up three portions of your 5-a-day.

Vegetables contain a variety of micronutrients, for example Vitamins C and B, and they are also a good source of fibre.

There are different types of vegetables:

- 1. Fruit vegetables e.g. tomatoes and cucumbers
- 2. Seeds and pods e.g. peas and beans
- 3. Flower vegetables e.g. broccoli and cauliflower
- 4. Leafy vegetables e.g. spinach and cabbage
- 5. Stem vegetables e.g. asparagus and celery
- 6. Tubers e.g. potatoes and sweet potatoes
- 7. Fungi e.g. different types of mushrooms
- 8. Bulbs e.g. onions and garlic
- 9. Roots e.g. carrots and beetroot

Vegetables can be eaten fresh, frozen, dried, canned and juiced.

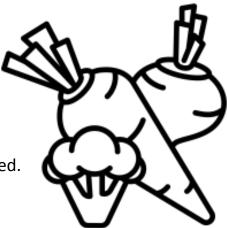
Eating a rainbow of colours provides different vitamins and minerals and can make a meal look more appetising.

Modern growing techniques and the use of technology mean that vegetables can be grown, harvested and packaged within hours so they are very fresh.

Many supermarkets now sell 'wonky' vegetables. These are different shapes and sizes or the wrong colour but they are still tasty and nutritious. Wonky vegetables are often cheaper to buy and stop good food from going to waste.

Children in the UK are not eating enough vegetables. Advertising campaigns to promote vegetables to children and their parents are trying to tackle the problem.







Food Technology - Topic 5: Starchy Carbohydrates

Carbohydrate is made by green plants is one of the five nutrients essential for life. There are 3 types of carbohydrate:

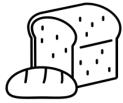
- 1. **Sugar** simple carbohydrates that can be broken down by the body quickly and turned into glucose for energy
- Starch complex carbohydrates that are made up of different sugar molecules linked together. The body takes longer to break them down into glucose giving us slow release energy
- 3. **Fibre** another complex carbohydrate found in the cell walls of plants. The body can't break fibre down but it is important to help with removing waste from the body



Many starchy foods are grown in the UK. Potatoes are a

tuber which grow from the roots of a potato plant. Because they contain so much starch, they are included in the starchy foods section of the Eatwell Guide even though they are a vegetable.

Cereals like wheat are grown, harvested and the seeds milled to produce flour. Flour is used to make baked goods like bread, cakes and scones and also pasta. Oats grow in cool, wet climates and can be milled to make rolled oats and oatmeal. Oats are used to make porridge and flapjacks.



Healthy eating advice suggests that meals should be based on starchy carbohydrates such as breakfast cereals, bread, pasta, potatoes or rice. Wholemeal varieties of these foods are also a good source of fibre and keep you feeling fuller for longer.

Starchy food is often served as an accompaniment for meat, chicken fish or vegetable dishes. Starches, such as cornflour, can also be used to thicken sauces through a processes called gelatinisation.

When starch comes into contact with dry heat it is broken down into a sugar which turns the food brown and gives a nutty flavour and aroma, for example when bread is toasted. This is called dextrinization.

Many starchy foods are baked and use raising agents to give them a light and spongy texture. Raising agents can be chemical (baking powder), mechanical (whisking), physical (water turning to steam) or biological (yeast). Chemical and biological agents work by producing carbon dioxide gas to aerate a mixture.

Food Technology - Topic 6: Simple Carbohydrates (Sugar)

Sugar and syrup are both types of carbohydrate but you will not find them on the Eatwell Guide because, although we like sugary foods, we do not NEED them in order to be healthy.

Sugar is found naturally in fruits and vegetables and fruit juices. Honey is also a natural sugar made by bees. In addition, there are many types of processed sugars made from sugar beet and sugar cane. They are often called 'free sugars' and examples include granulated and icing sugar and treacle and golden syrup.



These processed sugars are added to many processed foods such as breakfast cereals, biscuits, jams, chocolate and fizzy drinks. It is sometimes difficult to judge how much sugar these foods contain. Sugar is also hidden in some savoury foods such as salad dressings, bread, ketchup and soups. These 'hidden sugars' mean that people eat more sugar than they realise.

You need to look carefully at food labels to identify hidden sugars. They are sometimes called other names like dextrose, glucose, syrup or molasses. Sugars are also listed on the traffic light labelling on packaging. If food is high in sugar it will show up red on the traffic light. Recommended daily intake of sugar is a maximum of 24g or 6 teaspoons for children.



A diet high in free sugars can lead to tooth decay and obesity in children. It is also linked to Type 2 diabetes and some cancers in adults.

People enjoy high sugar foods because they have sensory appeal – it improves the appearance, taste, aroma and texture of food. Sensory evaluation is when you judge food on its sensory appeal. Sensory evaluation is helpful when food manufacturers are launching a new product or improving a recipe. It's important to use sensory words that are objective when you are taste testing eg chewy, sweet, sticky or golden brown.

One reason why sugars improve the colour and flavour of baked foods, such as flapjacks, is because they caramelise when heated. The heat causes water to evaporate which produces a darker, sticky liquid. The longer it is heated, the darker the caramel becomes.

Y7 French- Spring Term 1

Describing a classroom

	41
ilya	there is
un tableau (noir/blanc)	a (black/white) board
un poster	a poster
un/une prof	a teacher
un écran	a screen
un ordinateur	a computer
une porte	a door
une fenêtre	a window
une tablette	a tablet
les rideaux	the curtains
les stores	the blinds
des tables	some tables
des chaises	some chairs
des élèves	some pupils
c'est	iťs
sympa/ génial/ modern/ tris nice/ great/ modern/ sad/	

School subjects

Qu'est-ce que tu penses de tes matières? What do you think of your subjects? le français French le théâtre drama la géographie geography la musique music la technologie technology l'anglais English P.Ē. **ľEPS** l'histoire history l'allemand German l'informatique I.C.T. les arts plastiques art le dessin art math's les maths les sciences science la religion religious studies la cuisine cookerv l'éducation civique P.S.H.E. ma matière préférée est... my favourite subject is ... le/la prof est sympa the teacher is kind le/la prof est trop sévère the teacher is too strict j'ai trop de devoirs I have too much homework

Opinions

Tu aimes? j'adore j'aime j'aime assez je n'aime pas je déteste parce que/ car	Do you I love I like I quite li I don't li I hate because	ke ke
C'est	iťs	je pense que c'est I think that it is
facile	easy	à mon avis c'est
difficile	difficult	in my opinion it is
intéressant	interesti	ing
ennuyeux/barbant		boring
amusant		fun -
utile		useful
un gaspillage de	temps	a waste of time

Telling the time

Quelle heure est-il? il est cing heures	What time is it? it is five o'clock
cinq heures dix/ vingt	ten/twenty past five
cing heures et quart	quarter past five
cinq heures et demie	half past five
cing heures moins dix/	vingt ten/twenty to five
cinq heures moins le qu	lart quarter to five
midi/minuit	midday/ midnight

Photo description

ici il y a... here there is... en bas at the bottom au centre at the centre à droite to the right à gauche to the left il y a aussi... there is also ...

School day Ta journée scolaire est comment? What is you school day like? je me lève Lapt up je me lave je me bros

Ta journee scolaire est col	IIIIeiil? Wildlis	you scribbi day like?	
je me lève	I get up	je fais mes devoirs	I do homework
je me lave	l wash	je mange le dîner	I eat dinner
je me brosse les dents	I brush my teeth	je me couche	I go to bed
je mange le petit-déjeuner	I eat breakfast		
je quitte la maison	I leave home		
j'arrive au collège	I arrive at school	à- at	
je retrouve mes copains	I meet my friends	3	
on commence les cours	we start lessons		
je mange à la cantine	I eat in the cante	en	
je chante dans la chorale	I sing in the choir	•	
je joue dehors	l play outside		
on recommence les cours	we begin lessons	s again	
je rentre à la maison	I get home		

School uniform

je port		portes?	I wear	-			
on por			we wea				
runitor	me scolair	e	school u	Initorm			
un par	Italon	trousers		des chaussette	s (f)	socks	
un pole	D	polo shi	rt	des chaussures	s (f)	shoes	
un pull		jumper		des baskets (f)		trainers	
un swe	eat	sweatsh	virt				
un tee		tee-shirt		à mon avis c'es	st	in my opinion it	is
une ch	emise	shirt		chic		smart/ stylish	
une cra	avate	tie		confortable		comfy/ comfort	able
une juj	pe	skirt		démodé		old-fashioned	
une ve	ste	jacket		pratique		practical	
un cos	tume	suit		moche		ugly	

AIMER

j'aime tu aimes il aime elle aime nous aimons vous aimez ils aiment elles aiment

you like he likes she likes we like you like (plural) they like they like

to like

l like

j'aime le dessin car c'est amusant I like art because it is fun

il aime l'allemand mais c'est difficile he likes German but it is difficult

Useful verbs (INFINITIVES)

porter	to wear
commencer	to begin
jouer	to play
chanter	to sing
penser	to think
aimer	to like
adorer	to love
manger	to eat
faire	to do
étudier	to study
apprendre	to learn

Y7 French- Spring Term 2

Sports

Je joue	l play
au basket	basketball
au billard	pool
au football(foo	ot) football
au rugby	rugby
au hockey	hockey
au tennis	tennis
au volleyball	volleyball
à la pétanque	/ aux boules
	boules
aux cartes	cards
aux échecs	chess
Je suis	l am
Je ne suis pas	I am not
assez	quite
très	very
sportif/sportive	sporty

Mart da vari da 2

Free time activities

Qu'est-ce que tu fais? What do you do?
Qu'est-ce que tu fais?What do you do?Je fais du skate.I go skateboarding.Je fais du patin à glace.I go ice skating.Je fais du vélo.I go cycling.Je fais du vélo.I go skiing.Je fais du ski.I go skiing.Je fais du ski.I do judo.Je fais du théâtre.I do drama.Je fais de la cuisine.I do cookery.Je fais de la danse.I do dancing.Je fais de la quynnastique.I do gymnastics.Je fais de la natation.I go swimming.Je fais de l'équitation.I go horse riding.Je fais des randonnées.I go hiking.Je ne fais pas de sport/ danse, (etc.).I don't do sport/ dancing, (etc.).Est-ce que tu fais souvent (du vélo)?Do you do/ go (cycling) often?Je fais (du vélo).I do/go (cycling)
parfois sometimes. souvent often.
tout le temps all the time.
tous les jours every day.
tous les weekends every weekend.
tous les lundis/mardis, (etc.) every Monday/Tuesday, (etc.).
every monuay ruesday, (etc.).

Likes and dislikes

j'aime	
je n'aime pas	
j'adore	
je déteste	

I hate j'aime jouer au foot

I like to play football je n'aime pas faire du judo I don't like to do judo

I don't like... I love...

Llike...

The weather

Quel temps fait-il?	
-	What
il fait beau	Th
il fait mauvais	Th
il fait chaud	lť s
il fait froid	lť s
il fait nuageux	lť s
il y a du soleil	lť s
il y a du vent	lť s
il y a de l'orage	lť s
il pleut	lť s
il neige	lť s
il gèle	lť s
au printemps	in s
en été	in s
en automne	in a
en hiver	in v
Quand (il pleut/ il fait	chaud
	1

s the weather like?

e weather is fine. e weather is bad. s hot. s cold. s cloudy. s sunny. s windy. s stormy s raining. s snowing. s freezing. spring summer autumn winter t)

When (it rains/ it is hot) ... je reste à la maison

I stay at home. ... je joue dans le jardin

I play in the garden.

Adjectives

amusant	fun
marrant	funny
ennuyeux	boring
facile	easy
intéressant	interesting
barbant	boring
rapide	fast -
utile	useful
reposant	relaxing
c'est	it is
à mon avis c'	est
in my	opinion it is
je pense que	c'est
l thi	nk that it is

Connectives

<u>Technology</u>

Qu'est-ce que tu aimes faire sur ton portable?

Qu'est-ce que tu aimes faire sur la tablette?

j'aime.../je n'aime pas... blogger écouter de la musique envoyer des SMS prendre des selfies partager des photos/ des videos regarder des films tchatter avec mes copains/ copines télécharger des chansons faires des achats

JOUER

je joue tu joues il joue elle joue nous jouons vous jouez ils jouent elles jouent

I play you play he play she play we play you play (plural) they play they play

je joue au hockey

I play hockey

to play

nous jouons au basket we play basketball What do you like doing on your phone?

What do you like doing on your tablet?

I like/ I don't like... blogging listening to music sending texts taking selfies sharing photos/ videos watching films chatting (online) with my friends downloading songs shopping online

FAIRE to do

je fais tu fais il fait elle fait nous faisons vous faisez ils font elles font

l do you do he does she does we do you do (plural) they do they do

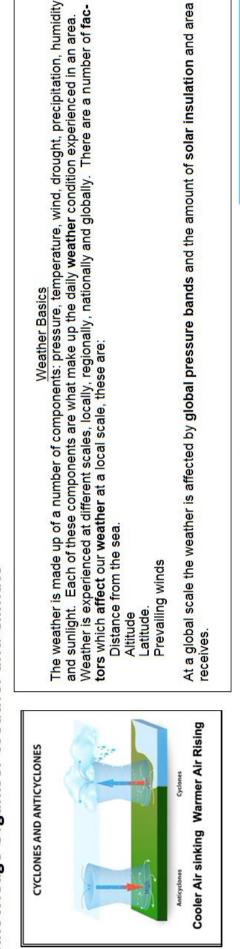
il fait de la cuisine

he does cookery

elles font de la natation they go swimming



Weather Basics

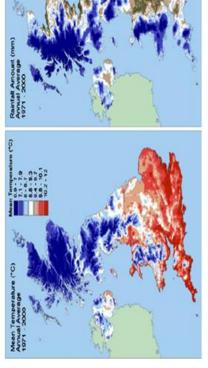




Global Air Pressure

Polar High

population growth are all contributing to the world growing warmer. Different political systems in countries will influence the laws and policies put in place to slow (deforestation), burning fossil fuels and The Earth's climate is warming due to human activity. Cutting down trees climate change down.



Equatorial Low

ubtropical High

ar Low

Polar High

Storm Doris 'weather bomb': 94mph winds, travel chaos and snow - live updates

- A woman in Wolverhampton killed by fallen debris
- Port of Liverpool closed, flights and trains cancelled
 - QE2 and Orwell bridges closed due to high winds
 - Snow blocks Scotland's M80
- Stormy conditions likely to hit turnout in byelections

The Guardian, Nadia Khomami and Mathew Weaver 23 February 2017

words	give a detailed account of the features of something without interpreting the infor- mation.	give reasons for	name or otherwise characterise	express in clear terms	identify similarities and/ or differences
Command words	Describe	Explain	Identify	State	Compare

	scotland		NORTHERN		IRELAND	WALES	London		UNITED KINGDOM MAP	by www.fireworktings.art FRANCE		h-east, where the capital London is	ion over a long period of time. When im outside Europe, mainly from the	JK has had migration from European	nion. A referendum (vote) was held
Year 7 Geography: The Geography of the UK	Definition	An island nation in north-western Europe made up of England, Scotland, Wales and Northern Ireland.	The movement of people from one place to another with the intentions of settling, permanently or temporarily at a new location.	A collection of 54 independent and equal countries, nearly all were once part of the British Empire .	A location that contains a higher number of people per km ² .	A location that contains a lower number of people per km ² .	A survey of the entire population, to find out about people's	characteristics, completed once every 10 years.	Bringing goods into a country from abroad for sale.	Sending goods to another country for sale.		The population of the UK is unevenly distributed. The UK is most densely in the south-east, where the capital London is located. The most sparsely located area of the UK is Scotland, which is mostly rural.	The UK's population is diverse with many different ethnicities and cultures due to migration over a long period of time. When the Second World War ended in 1945, large numbers of workers and their families from outside Europe, mainly from the	Caribbean and from India and Pakistan, migrated into the UK. In more recent years the UK has had migration from European countries such as Poland.	The UK is part of Europe. From 1973 to 2020, the UK was also part of the European Union. A referendum (vote) was held in June 2016, in which 52% voted to leave and 48% voted to remain in the EU.
Year 7 Geo	Key Term	United Kingdom	Migration	Commonwealth	Densely populated	Sparsely populated	Census		Import	Export	Key ideas	The population of the located. The most signation	The UK's population the Second World V	Caribbean and from India countries such as Poland.	The UK is part of Eu in June 2016, in whi

Y7 German - Spring Term 1

1. Was spielst du? Ich spiele Badminton / Basketball / F Wasserball / Eishockey / T Volleyball / Tischtennis / H Bist du sportlich? Ich bin sehr/ziemlich/nicht	ennis andball	l play badmi water volley Are yo	do you play? inton / basketball / football polo / ice hockey / tennis ball / table tennis / handba ou sporty? rery/quite/not very sporty.	II
2. Was machst du gern? Ich fahre Rad.		o do?	Lab opiolo Citarro	L play quitar
Ich lese. Ich mache Judo. Ich tanze.	I ride my bike. I read. I do judo. I dance.		Ich spiele Gitarre. Ich schwimme. Ich sehe fern. Ich reite.	l play guitar. I swim. I watch TV. I go horse riding.
Wie findest du das? Ich finde es irre/super/toll/cool nicht schlecht langweilig/nervig	What do you think I find it amazing/super/grea not bad boring/annoying		Es ist	It is
3. Was machst du in dein Ich gehe ins Kino. Ich höre Musik. Ich gehe einkaufen. Ich spiele Xbox oder Wii. Ich gehe in den Park. Ich gehe in die Stadt. Ich esse Hamburger oder Ich chille. Ich mache Sport. Wann machst du das? Wie oft machst du das? Wie oft machst du das? am Abend/Wochenende (sehr/ziemlich/nicht so) off jeden Tag einmal/zweimal pro Woch dreimal pro Monat	Pizza.	I go to I lister I go s I play I go to I go to I go to I chill I do s When How o in the (very/ every once/	ports. do you do that? often do you do that? evening/on the weekend quite/not so) often	me?
4. Was machst du am Co oder auf deinem Handy? Ich chatte mit Freunden au Ich simse. Ich lade Musik herunter. Ich surfe im Internet. Ich spiele Computerspiele immer manchmal nie jeden Morgen am Montag nächste Woche in zwei Wochen	uf Facebook.	or on I chat I text. I dow I surf I play alway some never	nload music. the internet. computer games. s times morning onday veek	ıter

Y7 German - Spring Term 2

1. Welches Fach magst du?	Which subject do you like?
Ich mag (nicht/sehr).	Llike… (not/very).
Deutsch / Mathe	German / Maths
Naturwissenschaften	Scinece
Informatik / Erdkunde	IT / geography
Geschichte / Werken	history / DT
Englisch / Französisch	English / French
Sport / Theater	PE / Drama
Was ist dein Lieblingsfach?	What is your favourite subject?
Mein Lieblingsfach ist	My favourite subject is
Warum magst du das (nicht)?	Why do you (not) like that?
Ich mag (Mathe), weil es ist.	I like (Maths), because it is
einfach / faszinierend	easy / fascinating
interessant / nützlich	interesting / useful
2. Was für ein Wochentag ist heute?	What day of the week is it today?
Heute ist	Today is
Montag/ Dienstag/ Mittwoch/	Monday/ Tuesday/ Wednesday/
Donnerstag/ Freitag / Samstag	Thursday/ Friday/ Saturday
Sonntag	Sunday
Was hast du am Montag?	What do you have on Monday?
Am Montag	On Monday
habe ich/ haben wir	I have / we have
Deutsch/ Sport/ keine Schule.	German/ PE/ no school
Wie viel Uhr ist es?	What time is it?
Es ist acht Uhr.	
Wann/Um wie viel Uhr	When/ at what time
hast du/haben wir (Englisch)?	do you have/ do we have (English)?
Um (8) Uhr (15).	At (8:15)
in der ersten / zweiten / dritten Stunde	in the first / second / third lesson
vor / nach der Pause	before / after break
3 Wie heißt dein(e) Lehrer(in)?	What is your togeher called?
3. Wie heißt dein(e) Lehrer(in)? Mein Lehrer/Englischlehrer heißt	What is your teacher called? My teacher / English teacher (masc.) is called
Meine Lehrerin/Deutschlehrerin heißt	
Wie ist er/sie?	What is he/she like?
Er / Sie ist	He / Sie is
zu/ sehr/ ziemlich/ ein bisschen/ nicht .	
freundlich / streng / fair	friendly / strict / fair
unpünktlich / arrogant / lustig	unpunctual / arrogant / funny
4. Beschreib das Klassenzimmer.	Describe the classroom.

der Tisch / der Stuhl / der Computer das Whiteboard / das Poster / das Fenster die Wand / die Tür / der Korridor in der Schule im Klassenzimmer / im Korridor auf dem Tisch an der Wand am Fenster neben der Tür neben dem Computer

the table / the chair / the computer

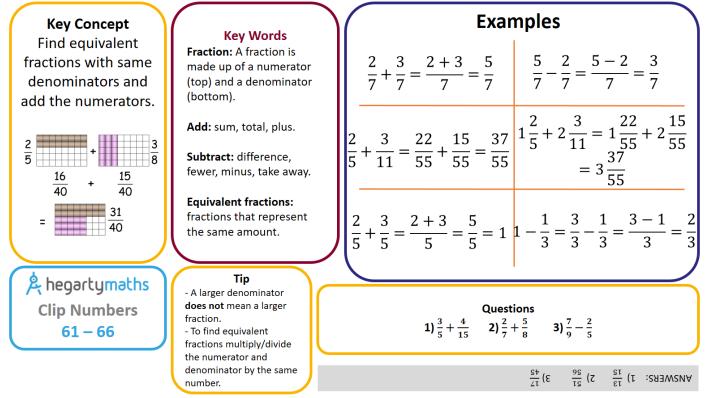
the whiteboard / the poster / the window the wall / the door / the corridor in / at school in the classroom / in the corridor on the table (auf = on horizontally) on the wall (an = on vertically) at / by the window next to the door next to the computer

	Capital C = the whole organisation / institution of the
The church	Catholic Church based in Rome. Small c = the church (building) in the village
	The leader of the Catholic Church, lives in Rome and all Catholics must obey him
Archbishop	Lower rank than The Pope but usually in charge of the Catholic Church within individual countries
The Crusades	Religious wars called by The Pope of Catholics vs. Muslims (mostly fought in the Middle East)
Domesday Book	A survey done by William the Conqueror to assess the land and wealth in England so he could tax them
Feudal System	The structure (hierarchy) of England following the Norman Conquest
Homage	The act of swearing an oath of loyalty to your lord (Knight, Baron, Noble or King)
	An important member of The Church (Priest, Archbishop, The Pope who is the top ranking clergy)
Monarch	The king of queen is the monarch of their country
	A tax, 10% of your earnings was paid to The Church at your church service on a Sunday
	The Manor was an area of land granted by the king to a lord the was the Lord of the Manor and lived in the
Manor (House)	Manor House. The Peasants worked the land of the
	Manor
Peasant	A poor person at the bottom of the feudal system (bottom of society) who works the land
	Peasants with land to farm, unable to leave their manor
	Peasant with land to farm, was able to leave their manor but it was safer not to
Excommunication	A punishment by The Pope banning you from attending church and church services meaning you will go be poind to hell Usually a threat of excommunication first
Miasma	A theory that bad air causes illness (Black Death)
Epidemic	When a disease spreads across a large area
Pandemic	A disease that has spread across the whole world
Flagellant	A form of self punishment where you whip yourself in the hope of preventing God punishing you further
Taxation	A payment made from your earnings to the government / Lord of the manor

	<	Vou Mondo	Corn Knowlodge
Feudal System	King Grants land and gives protection and justice	villein freeman social hierarchy	Generally speaking historians refer to the Middle Ages as the period following the Norman Conquest to the Tudor Period (1066-1485)
	Bishops Barons		Living conditions in the Middle Ages were filthy with cramped conditions. Animals lived inside the houses and waste was thrown out into the streets. People bathed in the rivers whilst dumping waste in them too.
Provide military aid and loyalty to king	Grant land and give protection and justice	give protection and justice	Following the Norman Conquest, William the Conqueror introduced new laws and structures to England. The Feudal System was introduced which was a hierarchy from top to bottom (king to peasant)
Provide military service and pay homage to barons as vasals	Knights	Grant land and give protection and justice	Thomas Becket was the Archbishop of Canterbury and had been good friends with King Henry II. Because Becket was more loyal to The Pope, Becket and Henry II fell out. Henry II said out-loud (but NOT an instruction) "will no one rid me of this troublesome priest" and Henry's knights took that as an order and murdered Becket in Canterbury Cathedral in 1170.
	Peasants	7	Following King John taking the throne from his brother Richard, his actions had led to the nobility (barons) growing increasingly angry with John. They forced John to sign the Magna Carta that put limits on the power of the king.
Farm the fand, pay rent to landowners and fight when called upon			The Black Death arrived in England in 1348 on the Silk Road form China, killing half of the population of England. People in the Middle Ages believed God was punishing them for sins, or that wicked children had caused it. They also blamed Miasma (bad air) and Jews poisoning the wells. To prevent it, many became
Commo	Common misconceptions		flagellants, whipping themselves to punish themselves so God wouldn't have to.
EVERYBODY in the Middle Ages was religious and in Western Europe were Catholic. They all feared God and followed the teachings of The Church for fear of going to hell	ges was religious and in We God and followed the teach	stern Europe iings of The	The Peasant's Revolt was led by Wat Tyler. The peasants had suffered greatly with the Black Death and then in 1381 they were told their pay would revert back to what it was 40 years ago. A new poll tax was introduced further angering them.
Whilst the Middle Ages was a period of relative filth and squal people were cleaner than we think. They believed cleanliness to Godliness so washed their hands and faces before all meal	period of relative filth and s hink. They believed cleanlir nands and faces before all r	qualor, the less was next neal times	The Peasant's marched on London, killing the Archolshop and demanded to speak with King Richard II. Richard agreed to deal with the taxes, but killed Tyler and other key rebels.
People in the Middle Ages were not 'stupid', they were as creative and	re not 'stupid', they were as	creative and	Key discoveries / ideas
economical as we are today. Their attitudes were a little less adventurous but their beliefs made sense to them.	Their attitudes were a little le nade sense to them.	SSS	Magna Carta in 1215 was the beginnings of challenging the monarch and their unlimited power.
×	Key Themes		Doom Paintings were designed to illustrate Heaven and Hell to war people what would
Government, Pi	Government, Protest, Democracy, Military		happen if they sinned
Books / Arti	Books / Articles / Films / websites		Being excommunicated by The Pope was possibly the worst thing that could happen meaning you would be going to hell when you died
Measly Middle Ages (Horrible Histories)	Histories)		Over-lordship was the idea the king of England had the right to rule over
Life in the Middle Ages BBC Bitesize	itesize		Scotland, Wales and Ireland as well

MATHEMATICS

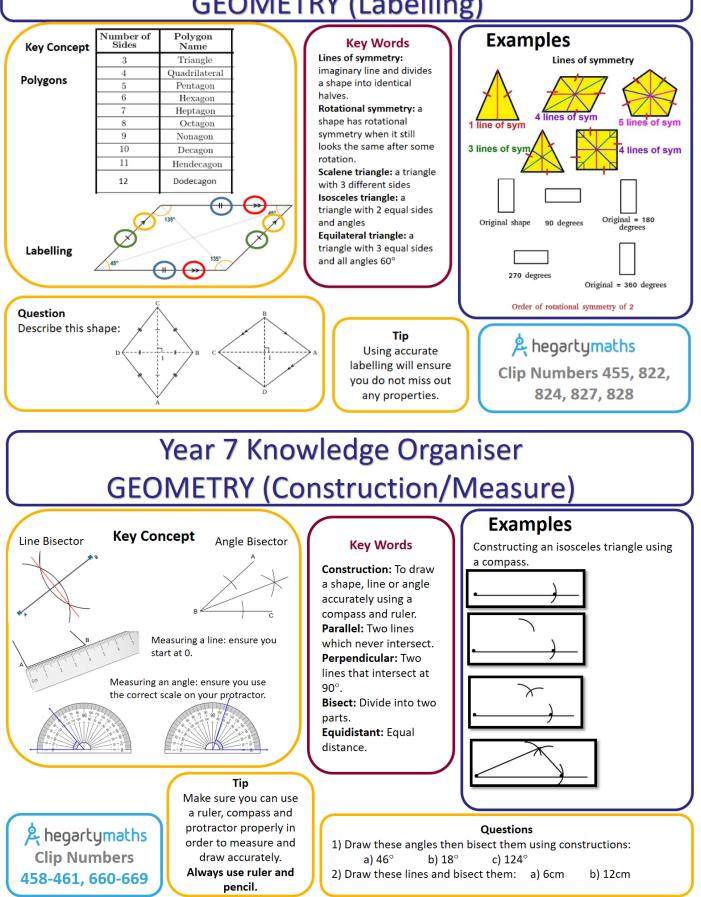
Year 7 Knowledge Organiser ADD AND SUBTRACT FRACTIONS



Year 7 Knowledge Organiser										
	Algebraic Expressions									
Key Concept	Key Words	Exan	nples							
Expressions	Variable: A letter/symbol used to represent an unknown	1) a x b = ab	3) 0.5w = ½w							
3a + 2b + 4a + b $f^2 + f^2 + f^2$ Coefficients	number or quantity. Expression: Shows a mathematical	2) y + y + y = 3 x y = 3y	4) ¼d + ¼d + ¼d = ¾d							
	relationship whereby there is no solution.	Simplify:	Simplify:							
6a ² 15c (number in front of the variable)	Substitution means putting numbers in place of letters/symbols to calculate the value of an expression	4a+3b-a+2b $= 3a+5b$	$x^{2} + 3x + 4x^{2} + 2x$ = 5x ² + 5x							
Clip Numbers 154-169, 548-550	Tip When simplifying	Questions 1) $a + a + a + a + a$ 2) $2 \times p \times q$ 3) $5x + 3y - 2x + 4y$ 4) $2p - 6q + 2q + 4p$								
	expressions be careful with negatives.	$b - d \partial (b - d \partial (b - \chi \nabla + \chi \partial \nabla + \chi \partial \nabla + \chi \partial \nabla \nabla + \chi \partial \nabla \nabla + \chi \partial \nabla \nabla \nabla + \chi \partial \nabla \nabla \nabla \nabla + \chi \partial \nabla \nabla$	E (٤ bd2 (٢ ع ٤) کوه ٤ (۲ :۲) کوه							

MATHEMATICS

Year 7 Knowledge Organiser GEOMETRY (Labelling)



Music			Key term – Pitch Notation
Dorforming C		How differen	How different pitches are notated on a traditional score
		Stave	
A score i	A score is a way that music can be written down	Treble Clef	EGBDF/FACE
	A graphic score can use anything to help		Key term - Chords
Graphic Score	convey the composers intentions – pictures,	How notes	How notes can be played together to create chords
	symbols, diagrams etc.	Triads	3 notes played together at the same time
Notated Score	A notated score uses traditional musical		
	notation.	Basic Chords	Chords I and V
	Key term – Metre		
Matro	A regular pattern of beats indicated by a time		Identification and application of vocabulary
INIERIE	signature	Listening	relating to rhythm
	How a musical score is divided up with a set		Identification of time signatures
Bar	number of beats in each bar as defined by		Performing music from Graphic and Notated
	the time signature	Performing	scores
Time		0	Sinding in a class environment
Signature	How many beats in a bar		
Beat	How a bar is sub-divided	Composing	Compose a snort mytrim based piece demonstrating knowledge of key words
Pulse	The steady beat felt throughout the music	Contextual	Short recearch project based input a
3/4	3 beats in a bar	Knowledge	historical period of music
4/4	4 beats in a bar		
	Key Term - Tempo	Practical Skills	
–	How fast or slow music is played		
	Key term – Rhythm Notation	Kouhoard	Developing Keyboard skills including layout of
Rhythm	How notes of varying lengths can be used to	veyboard	when playing.
Minim	2 beat duration		
Crotchet	1 beat duration	•	TREBLE CLEF
Quaver	1/2 beat duration	, o ,	•
Rests	A silent duration		
Ostinato	A repeated pattern of notes		

-			
		Function of the Skeleton (1)	Key Vocabulary
	Function	Example	Protection, mineral, attachment, irregular, flat, long,
~	Protection	The cranium and ribs protect the brain and vital organs in the chest.	short, function, classification, leverage, weight-bearing.
N	Joints for movement	Joints allow the skeleton to move (e.g. the knee allows the leg to bend)	Identifying bones in the Skeletal System (2)
<u>е</u>	Muscle attachment	The skeleton provides a surface for muscles to attach to via tendons	Scapula Clavicle
4	Mineral storage	Bones store calcium and phosphorus to make sure they are strong.	
5	Blood cell production	Red blood cells (to carry oxygen) and white blood cells (to protect against infection) are produced in the bone marrow of some bones.	Pehris Pehris Ferrur
≥ X	orked exampli eleton aids pe	Worked example – Explain how a <u>function of the</u> skeleton aids performance in <i>rugby union</i> (3 marks)	Tibia Patella
8 8 6 B O	ne function of ones store the isure they stay it is a contact that they do r	One function of the skeleton is mineral storage (1). Bones store the minerals calcium and phosphorus to ensure they stay strong (1). This is vital in rugby union as it is a contact sport and players require strong bones so that they do not break during tackles (1).	Tarsals
٩	Explain - Req oint. The ansv	Explain - Requires a justification/exemplification of a point. The answer must contain some linked reasoning	

7.3 KS3 Core PE Knowledge Organiser: The Skeletal System

		Types of Bone (3)	Key Misconceptions
Type	E.g.	Function in Sport	Use the scientific names for the bones – cranium not
Long	Femur	Bones that are longer than they are wide. These play a key part in leverage and movement. (humerus, radius, ulna, metacarpals, phalanges (fingers and toes), femur, tibia, fibula, metatarsals)	 skull, scapula not shoulder blade, clavicle not collar bone, vertebral column not spine. Even though the phalanges are short in length they are still a long bone as they are <i>longer than they are wide</i>. Tarsals and metatarsals are in the feet – hint Tarsals and Toes
		Bones that are box-like in shape. These are designed to be weight-	Worked Examples
Short	Carpals	bearing.	Classify the following bones of the body
		(carpals (wrist), tarsals (ankle))	Eemur – (Lond)
		Thin, plate bones that act as a shell. They provide protection and a large	Carpals – (Short) based on characteristics/analysis of characteristics.
Flat	Sternum	(cranium, clavicle (collar bone), scapula (shoulder blade), sternum,	Analyse the <u>importance of the tarsals</u> to a <i>gymnast performing</i> a <i>handstand</i> . (4 marks)
		ribs, pelvis)	The carnals are classified as chort hones (1) and are found
Irregular	Irregular Vertebrae	Unusually shaped bones for a unique purpose. These also provide protection and a large surface to which muscles can	in the wrist (1). Short bones are box like shapes and are round responsible for weight bearing (1). This is important for a gymnast as when they perform a handstand their body
		(vertebrae, patella (knee cap)	weight is going through the wrists (1) so they need to be strong to hold the position to gain higher marks for presentation (1).
Worl	ked Exampl	Worked Example - State 3 bones found in the lower body.	Analyse – break something down into its component parts
Any 3 fi	Any 3 from: phalang patella. femur. pelvis.	es, metatarsals, tarsals, fibula	<u>YOUR TURN</u> : Identify 3 functions of the skeletal system Explain the importance of long bones during a game of tennis
		State - involves the recall of a fact	Analyse the importance of the skeletal system during a game of netball.

7.4 KS3 Core PE Knowledge Organiser: The Skeletal System

Year 7 Spring Religious Studies – Rites of Passage

Key Term	Definition
Baptise	To make someone <u>officially</u> a <u>member</u> of the <u>Christian Church</u> in a <u>service</u> of <u>baptism</u>
Bar Mitzvah	The Jewish coming of age ceremony for boys when they reach 13 years old
Bat Mitzvah	The Jewish coming of age ceremony for girls when they reach 12 years old.
Believer's Baptism	Is when a baptism happens at an older age when the person can make their own promises, often by Baptist denominations.
Brit Milah	The Brit Milah is a Jewish religious male circumcision ceremony performed by a mohel on the eighth day of the infant's life. The Brit Milah is followed by a celebratory meal.
Catholic Church	Sometimes known as the Roman Catholic Church. The largest Christian Church in the world.
Church of England (Anglican Church)	The Church of England is the established church of England. The Archbishop of Canterbury is the most senior cleric, although the monarch is the supreme governor. The Church of England is also the mother church of the international Anglican Communion.
Circumcision	Circumcision is the removal of the foreskin from the human penis. It is performed in some religions as part of their beliefs.
Coming of Age	Coming of age is a term used to describe the transition between childhood and adulthood.
Confirmation	A rite of passage for Christians where they confirm the promises made at their Baptism.
Denominations	Groups or branches within the Christian Church.
Humanism	A <u>belief system based</u> on the <u>principle</u> that people's <u>spiritual</u> and <u>emotional needs</u> can be <u>satisfied</u> without <u>following</u> a <u>god</u> or <u>religion</u>
Khalsa	The body or company of fully initiated Sikhs, to which devout orthodox Sikhs are ritually admitted at puberty
Mitzvah	A Jewish commandment or commitment
Orthodox	Following or conforming to the traditional or generally accepted rules or beliefs of a religion
Protestant	A <u>member</u> of the <u>parts</u> of the <u>Christian Church</u> that <u>separated</u> from the <u>Roman Catholic Church</u> during the 16th <u>century</u>
Reformation	The split between the Catholic and newly-formed Protestant churches in the 16 th Century.

Key Knowledge

What is a 'rite of passage'?

Ceremonies that mark important transitional periods in a person's life, such as birth, puberty, marriage, having children, and death. Rites of passage usually involve ritual activities and teachings designed to strip individuals of their original roles and prepare them for new roles.

What happens at a Humanist Naming Ceremony?

A naming ceremony is non-religious. It gives parents the opportunity to gather with family and friends to welcome their child into the family. Each ceremony is unique but might include poems, songs, and promises to the child.

What happens at a Sikh Naming Ceremony?

A baby will be taken to the Gurdwara soon after its birth. The Guru Granth Sahib is opened on a random page and the first letter of the new verse on this page will be the first letter of the baby's name. Boys will be given the name Singh as part of his name, girls will be given Kaur.

What happens at a Christian Baptism?

In denominations which baptise babies, the baby will be brought up to the font with parents and godparents, A sign of the cross is made on the baby and parents and godparents promise to bring the baby up as part of a Christian Community.

How do Christian beliefs in Original Sin guide their decision to baptise children?

Original Sin is a result of the Fall of Man – when Adam and Eve disobeyed God in the Garden of Eden. By disobeying God, they lost their innocence, and so did the rest of humankind. Some Christians believe that Baptisms cleanse babies of Original Sin. Others believe it is a way of welcoming them to the Church and follow Jesus' example as he was baptised.

What happens at a Jewish Brit Milah?

A Brit Milah is a ceremony which happens when a baby is 8 days old. It is usually held at the Synagogue or at home. At the ceremony the boy is circumcised. It is followed by a celebratory meal.

What happens at a Jewish Bar/Bat Mitzvah?

A Bar Mitzvah happens at 13 years old for boys, and a Bat Mitzvah happens at 12 years old for a girl. They will read from the Torah and participate in the Shabbat service at their Synagogue where they will promise to keep God's commandments.

What is a Christian Confirmation?

This can happen from around the age of seven up to adulthood. At the ceremony a person renews the promises made at their baptism. In Roman Catholic confirmations, the bishop anoints the believer's forehead with holy oil.

Naming 2 element compound The name ending of the second element	<u>Oxidation</u> – adding oxygen in a reaction.	Year 7 Topic 2 Chemistry
changes to -ide.	Copper + Oxygen → Copper oxide	Knowledge Organiser
Sodium + Chlorine → Sodium chlor <mark>ide</mark>	Examples: combustion; rusting	Tier 2 Vocabulary
Naming 3 element compound The name ending of the third element changes	<u>Reduction</u> – removing oxygen in a reaction.	Carbon dioxide Rusting
to –ate.	Iron oxide → Iron + oxygen	Tier 3 Vocabulary
Sodium + sulfur + oxygen → Sodium sulf <mark>ate</mark>	<i>Examples:</i> extracting meals	Oxidation Reduction
<u>Decomposition</u> – Breaking down a compound. (One compound breaks down into two parts)	<u>Displacement</u> – When a more reactive element pushes a less reactive element	Decomposition Equation
Copper carbonate → Copper oxide + Carbon dioxide	out of its compound.	Conservation of Mass Formula
Neutralisation Universal indicator shows the colours of the pH scale: 01234567890112134	$\mathbf{A} + \mathbf{BC} \rightarrow \mathbf{B} + \mathbf{AC}$	Acids Alkalis Neutralisation
acidic neutral alkaline	5	Antacid Oxides Polymore
When an acid reacts with an alkali they form a neutral solution containing a salt and water.	<u>Gas Tests</u>	Ceramic Composites
Too much acid in your stomach can cause	Gas Test Observation Hvdrogen Lit splint Squeaky pop	Commise Commise manue 'af nattanu'
indigestion. Antacids are used to neutralise the acid.	Glowing	Leramics - Ceramic means of pottery . Its made out of clay soil, that has been dug out of the ground and heated in a
<u>Formula</u> MgCl ₂ 2 elements (2 capital letters)	Carbon Bubble into Turns cloudy dioxide limewater	kiln oven. <u>Composite</u> - A composite is any material made of at least two other
3 atoms (1 x Mg + 2 x Cl)		materials.

Forces – A push or a pull that make objects accelerate, decelerate, change direction or change shape.	<u>Terminal Velocity</u> -Terminal velocity is the maximum velocity attainable by an object as it falls through a fluid (air is the most	Year 7 Topic 1 Physics Knowledge Organiser
gravity, magnetism, upthrust as well as others.	Drag force Drag force	Tier 2 Vocabulary
<u>Contact Forces</u> – Forces that have to touch an object to exert a force. <i>Friction</i> – Friction occurs when two surfaces rub past each other.	←	Contact Non-Contact Terminal Parachute
Air Resistance – the air particles hit off the object to slow it down.	Body released Forces on Forces on body at from rest body during terminal velocity acceleration	Extension Speed Exert
object that is sation a surface. The water particles intoll the object to slow it down. Normal reaction – the force that acts against an object that is sat on a surface.	Distance Time Graphs –	Balanced Unbalanced Proportionality
Non-contact force – Forces that are not required to touch to make them happen. Magnetism – Magnets will try and attract and repel just by bringing them close together. <i>Gravity</i> – Gravity is a force that pulls an object to the centre of another object.	distance in m steady speed	Tier 3 Vocabulary Forces Resultant Force Friction Drag
	0 1 2 3 4 5 6 time ins	Upthrust
<u>Force Arrows</u> We can use force arrows to show the size of an arrow. Some forces are balanced when the size of	Hooke's Law - As more mass is added to a spring, the spring will ^{Ruler} stretch proportionally.	Water Resistance Thrust Magnetism
the opposing forces are equal. Some forces are unbalanced when the size of the opposing forces are not equal.	spring mappens	Normal Reaction Velocity
	weight then it will go up or down by the same amount each time.	

Spanish Y7 Spring term Knowled	Y7 Spring ter	ge	Organiser		El tiem	Unit 3: El tiempo libre –	- Free time	time
Kev spellings	ellinas	¿Qué haces en tu	What do you do in		Los días de la	Days of the	Time	Time phrases
Learn these spellings, they will be really useful	ev will be really useful	tiempo libre?	your free time?		semana	week	a veces	sometimes
for this unit and vou will be tested on them.	be tested on them.	bailo	I dance	lunes		Monday	de vez en	from time
1. hado	l do	canto karaoke	I sing karaoke	martes	-	Tuesday	cuando	to time
2. juego	I play	hablo con mis amigos	I talk with my friends	ends miércoles		Wednesday	nunca	never
3. me gusta	l like	monto en bici	I ride my bike	jueves	-	Thursday		office
4. no me qusta	I don't like	saco fotos	I take photos	viernes		Friday		
5. porque	because	toco la guitarra	I play the guitar	sábado		Saturday	todos los	every day
		What do you think escucho música and	scuch <u>o</u> música a	nd domingo		Sunday	días	
Key vocabulary and questions	and questions	mando SMS mean?		Remember	1	no capital letters!	The ve	The verb HACER
		Key dramn	rer	onmelt ànn.	MIACUC	under out		
¿Qué te gusta hacer?	What do you like to	The present tense -AR verbs	-AR verbs	court nempo hace?	WIIdt S	wildt s tife wedtifer like?	hago	I do
Me dusta	l like	Use the present tense to talk about		En primavera	In spring	lg	haces	you do
Me diista miicho	l really like	things you normally do, or things that	nat	En verano	In summer	mer	hace	he/she/it
No me gusta	I don't like	are happening right now (I dance/I		En otoño	In autumn	un		does
No me gusta nada	I really don't like	am dancing).		En invierno	In winter	er	hacemos	
chatear	to chat online	T. 6	<u> </u>	hace buen tiempo	the wea	the weather is good	naceis	you (pi) do
escribir correos	to write emails	10 Torm the present tense for regular		hace mal tiempo	the wea	the weather is bad	nacen	tney ao
escuchar música	to listen to music			hace calor	it's hot		The ve	The verb JUGAR
jugar a los videojuegos	to play video games	1 Remove the -AR ending from	<u> </u>	hace frío	it's cold		-	To play)
leer	to read	the infinitive		hare sol	it's sunny		j <mark>ue</mark> go	I play
mandar SMS	to send texts	2. Add the correct ending from			it roine/i	ly t'e roining	j <mark>ue</mark> gas	you play
navegar por <u>I</u> nternet	to surf the internet						j <mark>ue</mark> ga	he/she/it
salir con mis amigos	to go out with friends	e.d	-	nieva	It snows	It snows/it's snowing		plays
ver la televisión	to watch TV	Chatear – Chate – Chateo = I chat		¿Qué haces	What d	What do you do	jugamos	we play
¿Por qué?	Why?	Mandar - Mand - Mandas = vou send	p	cuando Ilueve?		when it's raining?	jugais	you (pl) play
porque es	because it's	Bailar To dance		Cuando Ilueve	When it	When it's raining	j <mark>ue</mark> gan	they play
porque no es	because it's not	hailo I dance			, Qué	, Qué deportes haces?	ces?	
interesante	interesting				What	What sports do you do?	I do?	
guay	cool		2	Hago	I do	Jueg		l play
divertido	Tun/Tunny	He	t dances	artes marciales	martial arts		baloncesto	basketball
estupido	stupid	bailamos We dance	æ	atletismo	athletics	fútbol		football
Alwave remember to instify vour oninion	etify vour oninion	bailáis You (pl.) dance	dance	equitación	horse riding	ing tenis		tennis
with porgue and a reason	on.	bailan They dance	lce	gimnasia	gymnastics	ics voleibol		volleyball
and a support of the second se				natación	swimming	richv		rinhv

Can you use a dictionary to look up more sports to add to the list?

In Spanish, there are 3 types of infinitive verb. They each have a different ending: -AR (escuchar, mandar) -ER (leer, ver) -IR (salir, escribir)

In English, infinitive verbs translate as 'to do', 'to eat', 'to go' etc.

Infinitve verbs

hockey

rugby hockey

swimming cycling skiing

natación ciclismo esquí

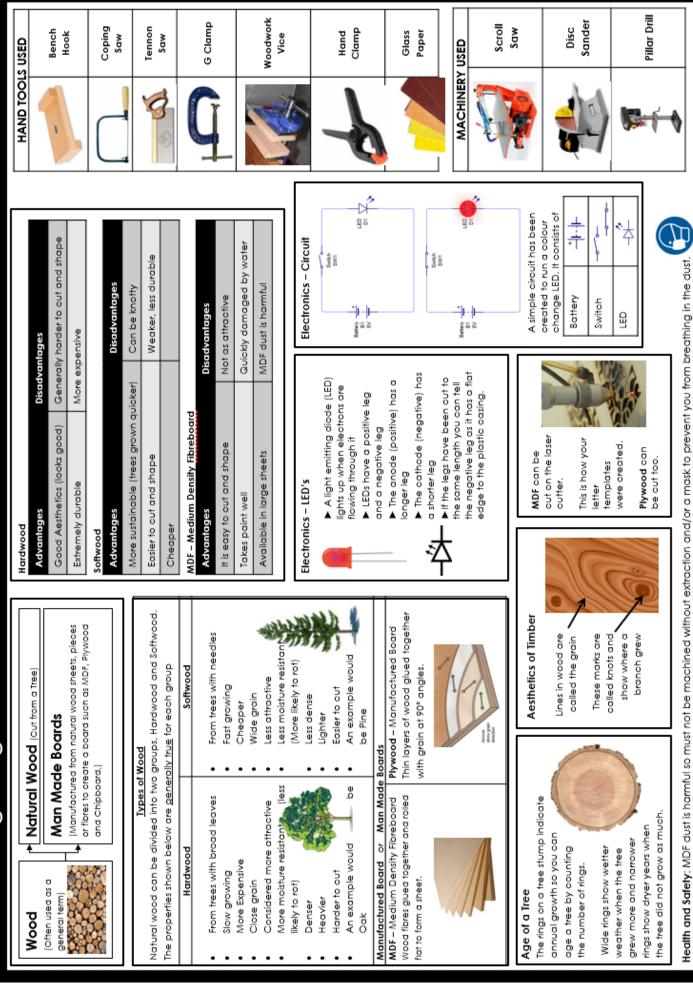
golf

golf

rugby

Spanish	Y7 Spring	term Know	Y7 Spring term Knowledge Organiser	niser	Unit 4: E	il instituto	Unit 4: El instituto – School	
Kev sp	spellings	¿Por qué?	Why?	: Cómo so	: Cómo son tus profes?	What are	What are vour teachers like?	5
Learn these spellings, t	Learn these spellings, they will be really useful	Porque es	Because it is	La profesora es	es	The teacher	The teacher (female) is	
for this unit and you will be tested on them.	be tested on them.	Porque son	Because they	El profesor no es	io es	The teacher	The teacher (male) isn't	
1. español	Spanish		are	raro/a		ppo		
2. estudio	I study	aburrido/a(s)	boring	severo/a		strict		
aburrido	boring	divertido/a(s)	fun .	paciente		patient		
4. hay	there is/are	practico/a(s)	practical	What other p	ersonality adjec	tives can you r	What other personality adjectives can you remember from unit 1?	nit 1?
5. divertido	fun	difficil(es)	difficult					
	,	facil(es)	easy		Pe F	Ney grammar		
Key vocabulary and questions	and questions	util(es)	useful	:	The present	The present tense -ER/IR verbs	<pre>< verbs</pre>	
2.Qué estudias?	What do vou study?	interecante(s)	interection	I o torm the pi	I o torm the present tense tor regular -ER/-IR verbs	egular -ERV-IR v	erbs:	
Estudio	I study		6 Incoloring			and the second second		
No estudio	I don't study	¿Cómo es tu	What's your	1. Remov	Kemove une -Ervik enaling irom une imimuve. Add the correct ending from the table helow	ing irom the table h	nuve.	
Estudiamos	We study	Insti:	school like:					
inglés	English	MI INSU	My scnool io/ion!+	Beber – Beb -	Beber – Beb – Bebo = I drink	Escribir - Esc	Escribir - Escrib - Escribes = vou write	u write
dibujo	art	bonito	natty	Comer	To eat	Escribir	To write	
español	Spanish	anticulo	plotty	como	l eat	escribo	I write	
francés	French	hieno	non	comes	You eat	escribes	You write	
alemán	German	fen		come	He/She/It eats	escribe	He/She/It writes	tes
teatro	drama	orande	bia	comemos	We eat	escribimos		
informática	IT/Computing	pequeño	small	coméis	You (pl.) eat	escribís	You (pl.) write	e
tecnología	design technology	moderno	modern	comen	They eat	escriben	They write	
geografía	deography					¿Qué haces durante	What do vou do at	o at
historia	history	When using opi	When using opinions in Spanish, remember to use the	member to use t		el recreo?	break?	
religión	RE	article (el/la/los/	ad ad	lurals:	Durante	Durante el recreo	At break time	
educación física	PE	¿Te gusta el dibujo?		Me encanta la religion.	Como		l eat	
acionacio a				•	un bocadillo	dillo	a sandwich	
matemáticas	maths	¿ le gustan los idiomas?		No me gustan las ciencias			fruit	
	2	-Oué hav an tu	inoti?	What is there in wour school?		unos caramelos	some sweets	
idiomas	lanquages	En mi inefi hev	inei	wild is there ill your school In my school there is/sre		una chocolatina	a chocolate bar	
¿Qué te gusta?	What do vou like?		t	There isn't/aren't	T	unas patatas fritas	some crisps/chips	
Me gusta (mucho)	I (really) like	un camno da fiithol	t	field	Como chicle	chicle	I chew gum	
No me custa (nada)	I (really) don't like	un campo de la			Bebo		I drink	
Me encanta	love	un comedor	a diriing riali	all	agua		Water	
Prefero	nrefer		a gym		un refresco	sco	a fizzy drink	
Odio	l hate	un patio	a playground	DUI	ownz un	0	a juice	
Me distan	llike (nlural)	una pipiloteca	a library		Leo mis SMS	s SMS	I read my texts	
No me oustan	I don't like (plural)	una piscina	a pool	ratorioe	Escribo SMS	SMS	I write texts	
Me encantan	l love (plural)	UTIUS laburaturation		Didiulies	No hag	No hago los deberes	I don't do homework	vork
	frame and second	UITAS CIASES/AUIAS	as some classrooms	SIDUIIS]]

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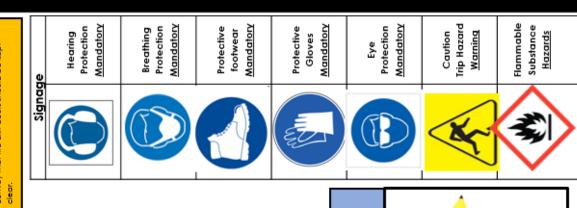


Knowledge Organiser – **Year 7 Health & Safety**

needs to be switched off when changes are being made, e.g. Ear protection when using or working around noisy equipment Work should be clamped down when cutting to avoid the risk A lot of safe working practice is common sense, such as tying All machines need to be fitted with an isolating switch, which Signage must be in place where there may be a health and Protective gloves and aprons for work with heat, eg brazing hair back or tucking in loose clothing, but it is important that Guards and dust extraction should be fitted where possible A thimble to offer protection from puncture wounds when Chainmail gloves when cutting with a fast-moving blade Goggles where there may be splashing or splinters, eq. workers follow the rules set out by their employer: Personal protective equipment (PPE) must be worn where Dust mask when spray painting or routing wood Tools should be stored safely when not in use Health and Safety: sewing through thick materials by hand Machines cannot be left unattended chemical use or using machinery Examples of using PPE swapping a drill bit of movement Emergency Stop circuit energized control circuit of emergency stop button will break recommended:. equipment and removes power supply from the safety risk that keeps the series with the When pushing the mushroom the circuit of are wired in metals equipment. machinery machinery Buttons head of ¢ ÷ ¢ ٠ ٠ ÷ ٠ Aprons on machinery to protect clothing to protect eyes Goggles on all Safe use of tools and materials is vital to everyone in the chain of production. Remove blazers and jumpers for a practical so you do not damage Employers have a duty of care to ensure everyone is adequately trained to follow the practical task. If you do not pay attention you may injury Do not touch machines and equipment - you could injury yourself. Always wear an apron so you do not damage your clothes. Watch and listen to teacher demonstrations so you know how to Never enter a workshop without a member of staff present! You Tie back long hair to prevent it from being caught in machines. Only one person uses/operate machinery at a time. To prevent Always wear goggles so you don't injury your eyes when using Remove tie for every practical – so it does not get caught in Put chairs away during all practical work—trip hazard. No running so you don't hurt yourself or other people. Health and Safety: may be at risk of injuring yourself or others. them. Or get them caught in machinery. Ties, blazers and jumper removed Always put bags in basket – trip hazard Health and Safety Rules injury to yourself or others. vourself or other people. Long hair fied up FCVCLING use tools and equipment. Fire Exit REGEN stools & bags away VIDATC machines. machines. Trip Hazard TRE SAFET

Signage:

the nearest emergency exit, first aid facility ar Safety signage can also be used to warn of potential hazards, indicate the location of personal protective equipment is worn, or convey that fire exit doors should be kept signage can restrict access, ensure that fire fighting equipment. Effective safety



Only one person allowed in

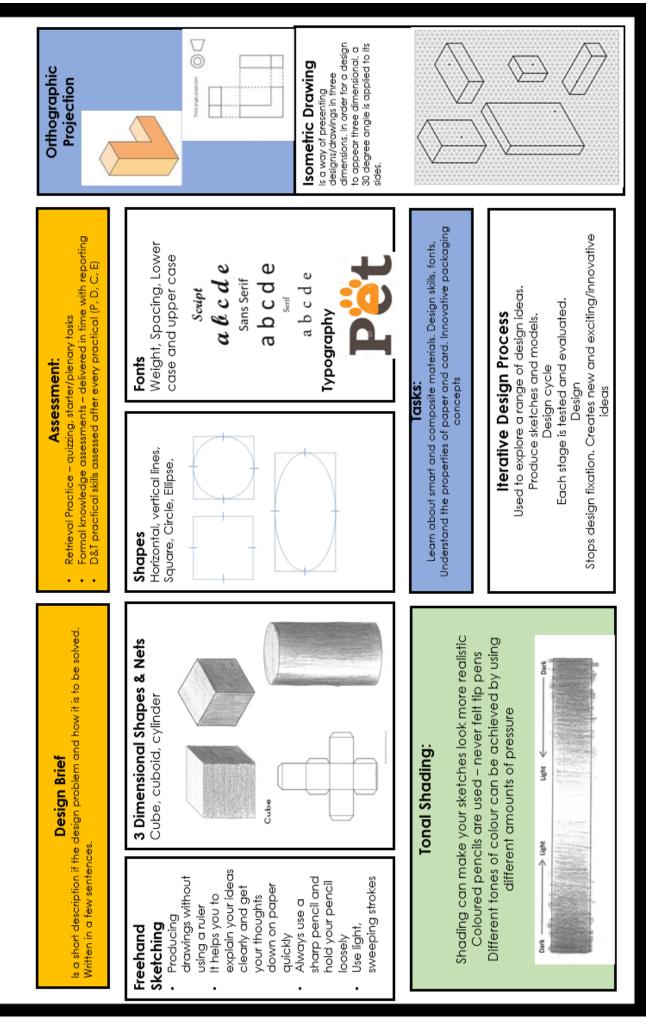
the box to operate

machinerysafely

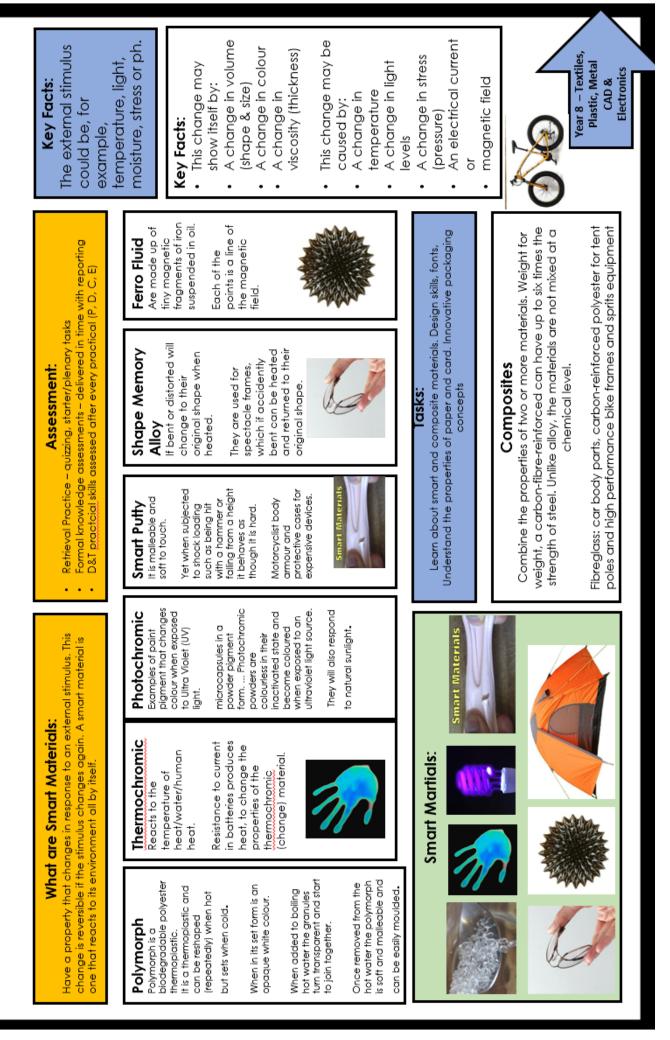
Health and Safety: MDF dust is harmful so must not be machined without extraction and/or a mask to prevent you from breathing in the dust

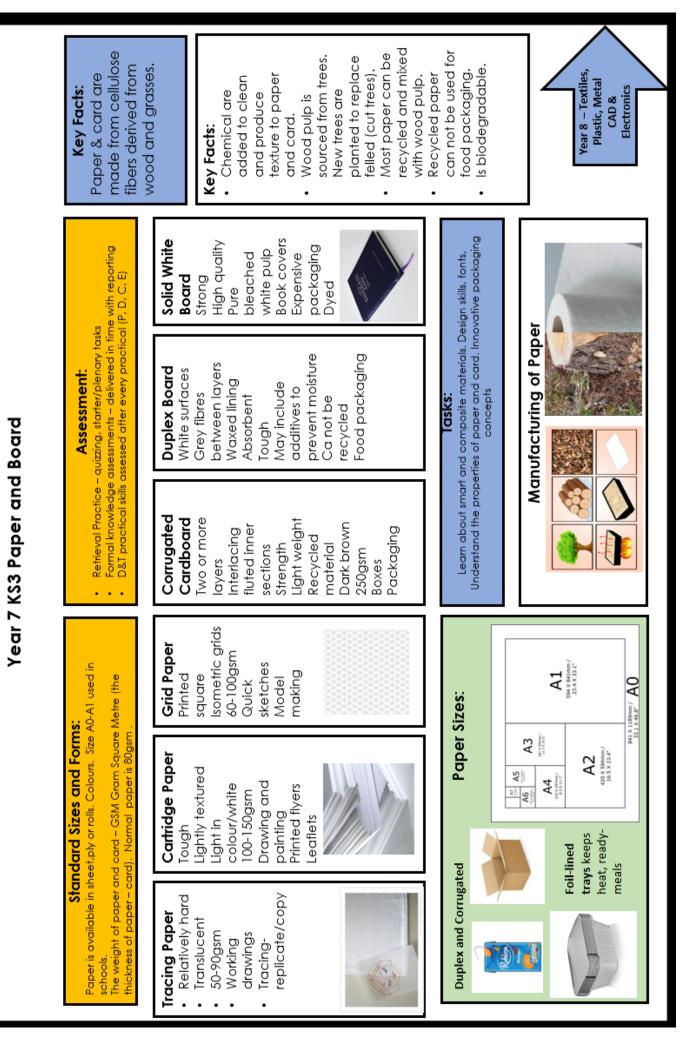
Hazard Waring Tape

Year 7 KS3 Design & Drawing Skills

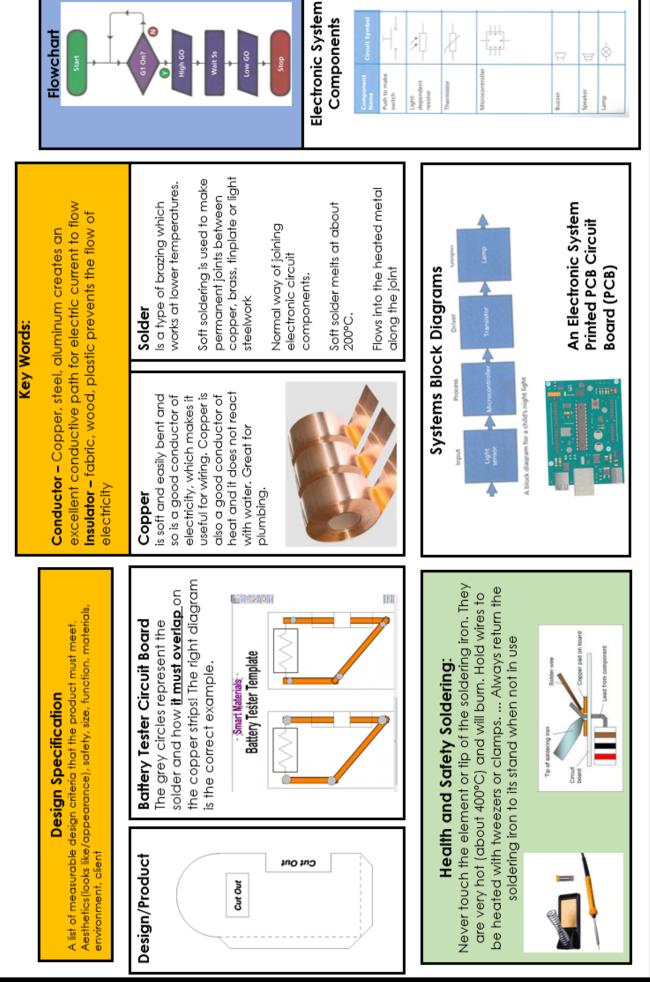








Year 7 KS3 Electronics and Soldering



KS3 Knowledge Organiser – Year 7 CAD/CAM

Disadvantages

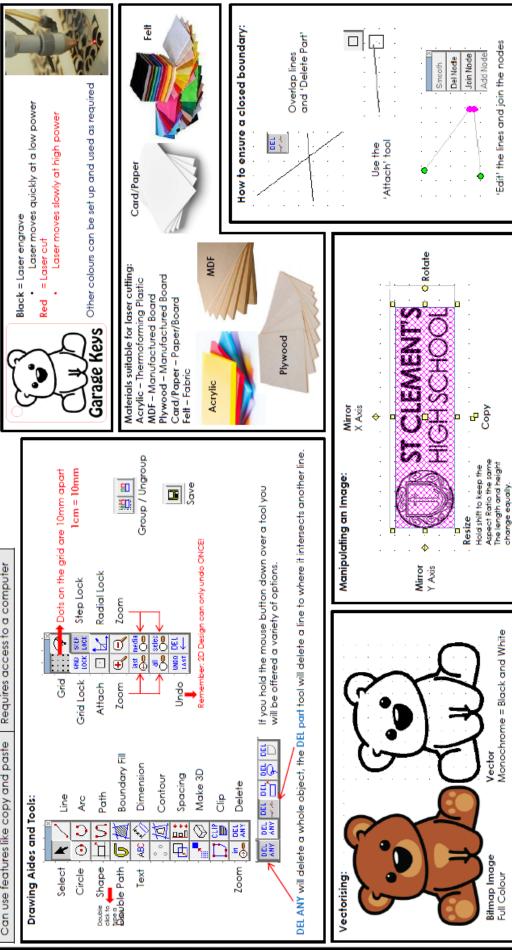
Computer Aided Design

Advantages

Computer Aided Manufacture	Disadvantages	Expensive to set up	Requires Specialist Training
Computer	Advantages	Accurate to low tolerances	Quick – rapid prototyping
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Highly accurate	Expensive set up		-	Accurate to low tolerances	Exp
Can communicate with CAM	Requires Training	4		Quick – rapid prototyping	Re
Files can be saved/shared via email	Files can corrupt/be deleted	a manual and		Aultiples can be produced easily	Job
Can use features like copy and paste	Requires access to a computer		ς		
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Notes Page

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