## Year 7 Knowledge Organiser Spring Term 2021/22

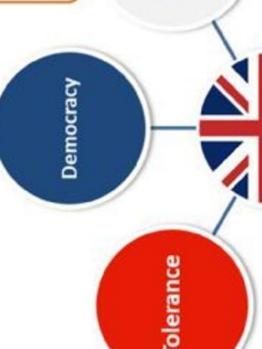
Name: Form:



# Core British Values

- unacceptable to dismiss the beliefs and opinions of I recognise that it is anyone.
- I understand that discussions about sensitive issues will be controlled and structured.
- Tolerance

- I can influence the way the school runs through the school council and by talking to staff.
- I can influence my lessons through putting my hand up and responding.



- I am free to think as I see fit. Liberty
- accountable for all my actions. I have the freedom to make choices that affect me but I recognise that I am



long as it does not promote I recognise that everyone is entitled to their opinion as extremism.

Respect

I take responsibility for all of

my actions - good or bad.

responsible for my learning

as my teacher.

I recognise that I am as

to promote and protect the

wellbeing of others.

We all have a responsibility

- I understand that everyone is entitled to a voice within the classroom.
- would like to be listened to. I will listen to others as I



I recognise that there will be consequences for my

I understand that the school rules are used to mirror society laws and must be respected. Social - Moral - Spiritual - Cultural



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## 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 make the most of your knowledge organiser

## **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.

## The Learning Scientists

As a trust, we have always been keen to find out more about how we learn and how we can support our students in their learning.

The Learning Scientists are a group of cognitive psychological scientists interested in research on education. Their main research focus is on the science of learning. (Hence, "The Learning Scientists"!)

Through decades of research, they have identified and developed six key learning strategies, which are explained over the next few pages. These are the main strategies we encourage our students to apply to their studies.

Please visit the Learning Scientists' website for more useful information, including blogs for parents to help support their children with their learning.

https://www.learningscientists.org/

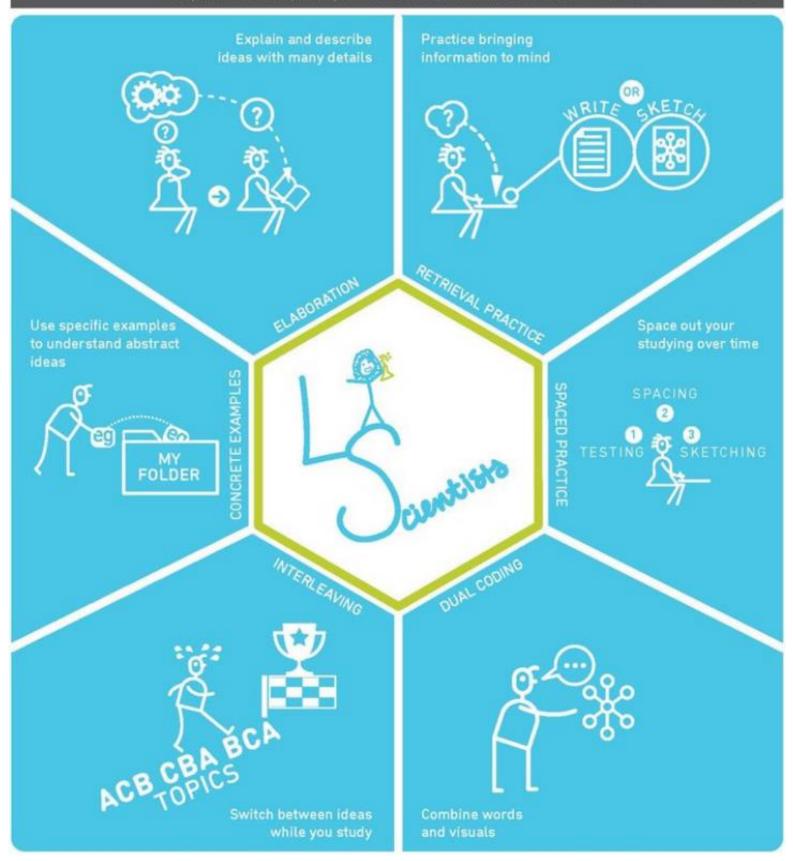


## Six Strategies for Effective Learning

LEARNINGSCIENTISTS ORG

All of these strategies have supporting evidence from cognitive psychology. For each strategy, we explain how to do it, some points to consider, and where to find more information.







## HOW TO DO IT

Start planning early for exams, and set aside a little bit of time every day. Five hours spread out over two weeks is better than the same five hours all at once.

Review information from each class, but not immediately after class.

After you review information from the most recent class, make sure to go back and study important older information to keep it fresh.

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## TRY IT NOW

Think of a topic you read about a few chapters back. What were the main ideas?

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Put away your class materials, and write or sketch everything you know. Be as thorough as possible. Then, check your class materials for accuracy and important points you missed.

Take as many practice tests as you can get your hands on. If you don't have ready-made tests, try making your own and trading with a friend who has done the same.

You can also make flashcards. Just make sure you practice recalling the information on them, and go beyond definitions by thinking of links between ideas.

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can from

memory.





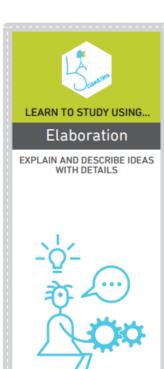
## HOW TO DO IT

Ask yourself questions while you are studying about how things work and why, and then find the answers in your class materials and discuss them with your classmates.

As you elaborate, make connections between different ideas to explain how they work together. Take two ideas and think of ways they are similar and different

Describe how the ideas you are studying apply to your own experiences or memories. As you go through your day, make connections to the ideas you are learning in class.

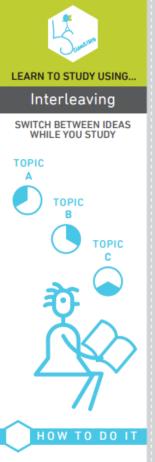
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## TRY IT NOW

Close the book and think about how what you just read connects to something you already know.

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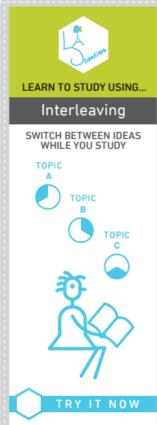


Switch between ideas during a study session. Don't study one idea for too long.

Go back over the ideas again in different orders to strengthen your understanding.

Make links between different ideas as you switch between them.

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OK, you've read enough about this topic. Why don't you try to answer some questions about a different topic for a bit?

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## HOW TO DO IT

Collect examples your teacher has used, and look in your class materials for as many examples as you can find.

Make the link between the idea you are studying and each example, so that you understand how the example applies to the idea.

Share examples with friends, and explain them to each other for added benefits.

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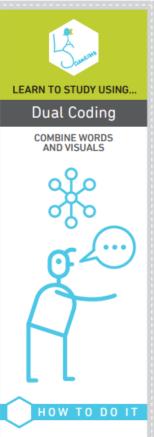




## TRY IT NOW

Look around you: Can you find an example related to the idea you were just reading about?

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Look at your class materials and find visuals. Look over the visuals and compare to the words.

Look at visuals, and explain in your own words what they mean.

Take information that you are trying to learn, and draw visuals to go along with it.

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Now that you have read a bit, close the book and draw a visual that incorporates the main ideas.

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## 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			<u>-</u>
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	<del></del>		
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			
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	Fri	Sat	Sun	Book(s) read (title and author)	Total time spent reading	Parent/Guardian /Staff signature

## **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)	Total time spent reading	Parent/Guardian /Staff signature
80										
6										
10										
11										
12										
13										
14										

# Year 7 Spring Term Knowledge Organiser

# 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.

Watercolour	Art Specific Language and Terms  Watercolour is a painting method in which the paints are made of pigments suspended in a water-based solution.  The process of layering while painting makes it easier to add surface texture, subtle colour changes and depth in a piece of art.	age and Tern Plein Air Realism	Plein air painting is about leaving the four walls of a studio behind and experiencing painting and drawing in the landscape.  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
	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	artworks painted in a realistic almost photographic way.  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 relates to the surface quality of a work of art.	Post - Impressionism	Post-Impressionism is an art movement that developed in the late 19th 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

## 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.

ms	Post-Impressionism was an art movement that developed in the late 19th century from Impressionism. It is a subjective approach to painting and artists painted emotions rather than realism in their work.	Plein air painting is about leaving the four walls of a studio behind and experiencing painting and drawing in the landscape.
fic Language and Terms	Post - Impressionism	Plein Air
Art Specific Langu	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.	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.
	Realism	Impressionism

## 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

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





John Singer Sargent Claude Monet Painting by the Edge of a Wood ?1885



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 he brushstrokes at all.

## Y7 CITIZENSHIP

## Media

story or information to a delivering a message, Different methods of arge audience

## Mass Media

story or information to a delivering a message, Different methods of arge audience

## Broadsheets

Have smaller headlines, They are considered to be a more educational contain much celebrity inancial, national and with detailed articles. newspaper with key focuses on political, international news. **Broadsheets rarely** gossip.

Fake News - Inaccurate, fake and fictional stories created

by authors to trick the public into believing they are true.

HOW TO SPOT FAKE NEWS

MEAD BEYOND

## [abloids

news. Most tabloids tend usually with short articles. Also tend to include lots news as well as national some other newspapers. to be less 'serious' than of gossip and celebrity Have large headlines

CHECK YOUR BIASES

SITALORE

CHECK THE DATE

## Making connections

How can you link different topics together?

Accountability + TV + newspapers Educate + inform + check + entertain Broadsheet +tabloid + newspaper New media + E-media Ofcom + TV

Politicians + Media

**Broadshee** 

purpose of the

media?

What is the

Spring Term

## Educate Inform

Tend to be less 'serious' than some other newspapers. Check

arely contain much

end to include lots of gossip and celebrity news as well as

ocuses on political, financial More educational, with key

mostly national news.

lave smaller headlines, with

Have large headlines usually

with short articles.

Entertain

Ofcom are an independent organisation who make sure suitable for the programme is that each TV

the information with

another source.

Check the date...

reporting stories can be misleading because it doesn't mean they're relevant today.

Check the author..

are they credible

and reliable?

Read beyond... check

audience.

media related All forms of internet; to the

e stands for electronic

importante Why is the media so

Types of Media

**Fraditional** 

Newsprint, and radio television

media New

E-media traditional forms of All-non media

## Y7 CITIZENSHIP

**Active Citizen** 

others to bring about citizenship skills to try Irying alone or with understanding of knowledge and change. Using and make a difference.

Direct action

Action taken where the egarded as too slow or ineffective, often some normal channels are activity, to arouse public awareness. sort of disruptive

Plastic Pollution

Campaign

to persuade people to candidates and their supporters undertake vote for them. Activities that

Community

A group of people who ive near each other in common beliefs or way a local area; a group of people who share of life.

Active

Citizenship & Sustainability

within the first 3-6

months.

is earned back

Raise

money

Vote in elections

What does an active

(lobbying) your MP Write to

Citizenship Skills

Useful

Spring Term

on behalf of a particular

canse.

Campaign

Representing or acting

Advocacy

citizen do?

others Help

Volunteer

Convince others to change

awareness

Raise

Petition

behalf of others to try

Doing something on

Responsible action

make a difference or achieve certain aims.

and raise awareness,

The biggest problem with unwanted plastic is the pollution and damage it blown around by the wind and the rain. It ends up in our streams, rivers causes the environment. Plastic breaks into finy pieces, which then get and the ocean.



Wind Turbines

Nayi Can take up a lot of land.

production - Only a turbines can mass produce energy. large number of Low energy

Never ending fuel

source.

No pollution.

**Environmentally** 

friendly.

Quite expensive to maintain. to other renewable

supplement (help)

Excellent

fuel sources.

Can be quite noisy Offen the locals will complain. creating wind farms The energy used in

Wind power alone cannot serve all of our needs, This will be done in order

to have a positive

impact on others or

particular cause.

Solar Power

heat, and other forms buildings and to can be collected and used to heat Solar energy is light, of energy given off by the Sun. Solar energy

Taking part by becoming

Active Participation

make electricity.

information in order to try Giving other people opinions and views. Informing opinions and change their

Making Columbary together?

How can you link different topics together?

Responsible action + advocacy

Informing opinions + responsible action Carbon Footprint + advocacy + MPs + Parliament



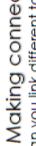
make a change or make

a difference.

something to try and

something or saying

involved; doing





# Computing – Spreadsheet Key Knowledge Key Vocabulary

ice acapaigi		Ļ
Cell Reference	The name of an individual cell (The coordinates to a cell)	Ħ
Row	A range of cells that go across (horizontal) the spreadsheet. Rows have a number.	7
Column	A vertical range of cells. Columns have a letter.	
Cell	A rectangular box that can contain any value	
Sheet	A single page in a spreadsheet document	
Workbook	A collection of sheets	0 f.
Formula	A mathematical operation performed on values in the spreadsheet	
Tab	The button that changes which sheet you are looking at	
Formatting	The appearance of the cell (Colour, font size, type and colour. Borders	
Conditional Formatting	This changes the format of a cell based on what condition you enter.	8
If Statement	A function that sees if a condition is met. If it is met a true value is returned if not a false.	
Cell Replication	Copying of data in a cell to another cell	×
Validation	Where the computer checks your data entry to see if it is allowed.	
Absolute Cell Reference	Makes the cell static (Will not change when copying a formula)	
Colon :	Defines a range of cells. Colon in effect means to e.g A2:D5	
Static Cell	A cells value that has to be changed manually	
Dynamic Cell	A cell value changes automatically based on contents from another cell.	QK Coord
	=Sum Adds the values of a cell range	

## Key Formulas

Finds the maximum value in a range

Finds the average value of a range

=Average

=Max

=Min

쁚

Finds the minimum value in a range

Used to create an IF statement

# Computing – Flowol and Cryptology Keywords

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.

## Drama - Genre

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

- Genre can be defined as a style or category of drama, art, music, or literature.
- always creating new work and coming up with new thoughts and methodologies for theatre and performance. 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

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

The **genre** of a performance refers to the type of story being told, and the **style** refers to how the work is presented on stage. Popular theatrical genres and styles include (but are not limited to).

- Theatre in education (TiE)
- Physical theatre
  - Epic theatre
- Political theatre
- Comedy
- Tragedy
- Melodrama
- · Gothic

Commedia Dell'arte

- Surrealism
- Realism
- Absurdism

Practitioners usually stick to a genre or style and this is often linked with their work

## Theatre roles:

Cast: All of the performers including the leads and chorus

Director: 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 <u>practitioner's</u> ideas or the genre they are using.

Stage production team: Stage production workers handle the behind-the-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

Theatre techniques 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 example of this might be to explore when the performers show characters relationships through their use of space

associated with their use of specific techniques within their work. Some of these techniques can become recognisable features within all their work.

# Drama - Physical Theatre

Devising from a Stimuli....

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

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

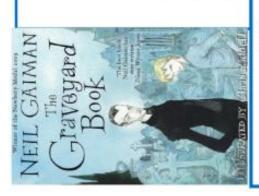
Things to consider when devising from a stimulus:

- 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?
- Create a piece of movement and see what the audience thinks it means/communicates
- It's ok to make the audience think not everything needs to make sense

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

The techniques we used are known as building blocks:

Round, by Through Hymns Hands Chair Duets



# Year 7, Spring Term: Characterisation Core Text: The Graveyard Book (Neil Gaiman)

clude—amongst other things—choices regarding appearance, nature, background, per-Characterisation is the deliberate and conscious construction of a character; this will inspective, behaviour, and relationships with others. Characterisation choices are also closely linked to plot, genre and setting.

## Vocabulary

- characterisation gothic
- character
- protagonist

structure

verb

setting

- antagonist
- bildungsroman
  - character arc
- plot

development

develop/

- conflict
- genre

## What is a 'bildungsroman'?

A bildungsroman is a text that tracks the development of a character across their formative years and into adulthood.

## Protagonist and Antagonists

A protagonist is the 'lead' character in a text. Protagonists are often presented positively. An antagonist is a character who is in opposition to the protagonist. Antagonists are presented negatively.

Stories centre around a key conflict: this is often a conflict between the protagonist and the antagonist. In The Graveyard Book, this conflict is between Bod and the man Jack.



	Writing Assessment:	Verbs:
	Write about a character who is looking for something	Identify the verbs in this sentence from the opening page of The Graveyard Book.
	of value.	The street door was still open, just a little, where the knife and
		the man who held it had slipped in, and wisps of night time mist
	Reading Assessment:	slithered and twined into the house through the open door.'
	How does Gaiman use language to characterise the	STRETCH: Write a short explanation about the impact of these verb choices: for example, why would Gaiman have chosen the
		verb 'slipped' rather than 'walked'?
		Adjectives:
		Identify the adjectives in this sentence from the opening page
23	How to write an analytical paragraph	of The Graveyard Book.
	<ul> <li>identification of a method;</li> </ul>	'The knife had a handle of polished black bone, and a blade finer
	embedded quotations;	and snarper than any razor.
	<ul> <li>explanation and impact of method;</li> </ul>	STRETCH: Write a short explanation about what the adjectives
	<ul> <li>link to thesis (shaped by the question).</li> </ul>	
	Gaiman uses animalistic language. He describes how the man Jack 'sniffed the air', as a predatory animal	Writing Practice: Write about your character who is looking for something of value; your character should be holding some-
	might in an attempt to detect its prey. This character-ises the man Jack as driven and dangerous: he is de-	thing. Think carefully about the verb choices to describe your character's movements and actions, and the adjectives you as-
		sociate with the object your character is nothing.
	successfully places him in the role of the antagonist.	

## 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.

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
- 6. 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.

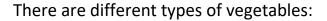
Some fruits, for example apples, will spoil if you cut them and their cells are exposed to oxygen in the air. This is called enzymic browning and it can be prevented by covering the fruit with fruit juice or syrup.



## 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.



- 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.

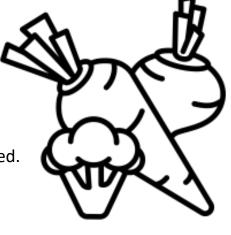
Eating a rainbow of colours provides different vitamins and minerals and can make a meal look more appetising.

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
- 2. **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.

## Describing a classroom

un tableau (noir/blanc) a (black/white) board

un poster a poster un/une prof a teacher un écran а эсгеел a computer un ordinateur 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. sympa/ génial/ modern/ triste/ nul/ démodé nice/ great/ modern/ sad/ rubbish/ old-fashioned

School subjects

Qu'est-ce que tu penses de tes matières?

What do you think of your subjects?

French le français le théâtre drama la géographie geography la musique music la technologie technology l'anglais English l'EPS P.E. l'histoire history l'allemand German l'informatique I.C.T. les arts plastiques art le dessin art les maths maths les sciences science religious studies la religion

cookery la cuisine P.S.H.E. l'éducation civique

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 I have too much homework j'ai trop de devoirs

Opinions

Do you like? Tu aimes...? l'adore... I love ... j'aime... I like I quite like... 'aime assez I don't like ... je n'aime pas... e déteste... I hate because parce que/ car

C'est... if's .... je pense que c'est ...

I think that it is ...

facille à mon avis c'est... easy difficile difficult in my opinion it is...

intéressant interesting ennuyeux/barbant boring amusant fun useful

un gaspillage de temps a waste of time Telling the time

Quelle heure est-ii? What time is it? il est... 11/15

cing heures five o'clock cing heures dix/ vingt ten/twenty past five cing heures et quart quarter past five cinq heures et demie half past five

cinq heures moins dix/vingt ten/twenty to five cinq heures moins le quart 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 to the right à droite 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 fais mes devoirs I do homework ie me lève I get up e me lave I wash je mange le dîner I eat dinner e me brosse les dents I brush my teeth je me couche I go to bed

I eat breakfast e mange le petit-déjeuner je guitte la maison I leave home I arrive at school 'arrive au collège

e retrouve mes copains I meet my friends on commence les cours we start lessons

je mange à la cantine I eat in the canteen e chante dans la chorale I sing in the choir e joue dehors I play outside

on recommence les cours we begin lessons again

je rentre à la maison I get home

School uniform

Qu'est-ce que tu portes? What do you wear?

ie porte... I wear... on porte... we wear... l'uniforme scolaire school uniform

des chaussettes (f) socks un pantalon trousers des chaussures (f) un polo polo shirt shoes jumper un pull des baskets (f) trainers

un sweat sweatshirt

un tee-shirt tee-shirt à mon avis c'est... in my opinion it is... une chemise shirt smart/ stylish une cravate tie confortable comfy/ comfortable old-fashioned une jupe skirt démodé jacket practical une veste pratique

un costume moche STAFF

AIMER to like

aime I like tu aimes you like il aime he likes elle aime she likes nous aimons we like vous aimez you like (plural)

ils aiment they like elles aiment they 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)

ugly

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

## Sports

Je joue... I play...
au basket

au basket basketball
au billard pool
au football(foot) football
au rugby rugby
au hockey hockey
au tennis
au volleyball volleyball

à la pétanque/ aux boules

boules cards chess

Je suis I am
Je ne suis pas I am not
assez quite
très very
sportif/sportive sporty

aux cartes

aux échecs

## Free time activities

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 ski. I go skiing. Je fais du judo. 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 gymnastique. I do gymnastics.

Je fais de la natation. I go swimming.

Je fais de l'athlétisme. I do athletics. 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.).

## Likes and dislikes

j'aime... | like... je n'aime pas | l don't like... j'adore... | love... je déteste | l hate...

l'aime louer au foot

I like to play football

je n'aime pas faire du judo

I don't like to do judo

## The weather

Quel temps fait-il?

What's the weather like?

il fait beau The weather is fine. il fait mauvais The weather is bad.

il fait chaud It's hot. il fait froid It's cold. il fait nuageux It's cloudy. il y a du soleil It's sunny. il y a du vent It's windy. il y a de l'orage It's stormy il pleut It's raining. il neige It's snowing. il gèle It's freezing. au printemps in spring en été in summer en automne in autumn en hiver in winter

Quand (il pleut/ il fait chaud)

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/drôle 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... I think that it is...

## Connectives

parce que because mais but et and cependant however car because donc therefore aussi also

## Technology

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

vvnat

What do you like doing on your phone?

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

What do you like doing on your tablet?

j'aime.../je n'aime pas... I like/ I don't like... blogger blogging

écouter de la musique listening to music envoyer des SMS sending texts prendre des selfies taking selfies partager des photos/ des videos sharing photos/ videos

regarder des films situations watching films

tchatter avec mes copains/ copines

télécharger des chansons faires des achats chatting (online) with my friends downloading songs shopping online

## JOUER to play

je joue I play
tu joues you play
il joue he play
elle joue she play
nous jouons we play
vous jouez you play (plural)

ils jouent they play elles jouent they play

je joue au hockey

I play hockey

nous jouons au basket

we play basketball

## FAIRE to do

je fais I do
tu fais you do
il fait he does
elle fait she does
nous faisons we do
yous faisez you do (o)

vous faisez you do (plural) ils font they do elles font they do

il fait de la cuisine

he does cookery

elles font de la natation

they go swimming

# ear 7 Geography: The Geography of the UK

		-
Key Term	Definition	
United Kingdom	An island nation in <b>north-western Europe</b> made up of England, Scotland, Wales and Northern Ireland.	•
Migration	The movement of people <b>from one place to another</b> with the intentions of settling, permanently or temporarily at a new location	ION IN
Commonwealth	A collection of 54 independent and equal countries, nearly all were once part of the <b>British Empire</b> .	ا السيادي
Densely populated	A location that contains a <b>higher</b> number of people per km <sup>2</sup> .	IRELAND
Sparsely populated	A location that contains a <b>lower</b> number of people per km <sup>2</sup> .	
Census	A <b>survey</b> of the entire population, to find out about people's characteristics, completed once every 10 years.	
Import	Bringing goods into a country from abroad for sale.	UNITED KINGDOM MAP
Export	Sending goods to another country for sale.	by www.freeworldmaps.net

## Key ideas

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.

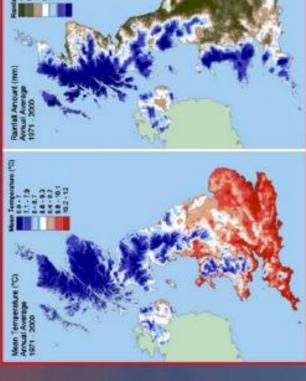
FRANCE

ENGLAND

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

## ear 7 Geography: Weather Llimate



Familia America (ren)  Amual America  Amual America  1971 - 2000  1971 - 2000  1971 - 2000  1971 - 2000  1971 - 2000  1971 - 2000  1971 - 2000  1971 - 2000  1971 - 2000  1971 - 2000  1971 - 2000	
Company (C) Man Jampson (C)	

1000	The state of the s
Key Term	Definition
Describe	Give a detailed account of the feat of something without interpreting information.
Explain	Give reasons for.
Identify	Name or otherwise characterise.
State	Express in clear terms.
Compare	Identify similarities and/ or differen

## Key ideas

The weather is made up of a number of components: pressure, sunlight. Each of these components are what make up the temperature, wind, drought, precipitation, humidity and daily weather condition experienced in an area.

our weather at a local scale, these are: Distance from the sea, nationally, and globally. There are several factors which affect Weather is experienced at different scales, locally, regionally, altitude, latitude and prevailing winds.

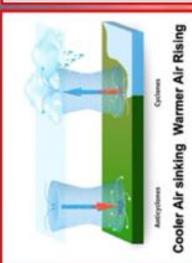
bands and the amount of solar insulation an area receives. At a global scale the weather is affected by global pressure

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

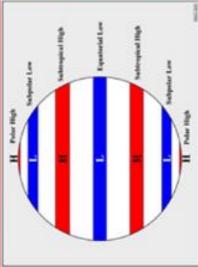
## Anticyclones and Cyclones

the ures

Global Air Pressure bands



ces.



## Y7 German - Spring Term 1

1. Was spielst du?

Ich spiele ...

Badminton / Basketball / Fußball Wasserball / Eishockey / Tennis Volleyball / Tischtennis / Handball

Bist du sportlich?

Ich bin (sehr/ziemlich/nicht sehr) sportlich.

What do you play?

I play...

badminton / basketball / football water polo / ice hockey / tennis volleyball / table tennis / handball

Are you sporty?

I am (very/quite/not very) sporty.

2. Was machst du gern? What do you like to do?

I ride my bike. Ich spiele Gitarre. Ich fahre Rad. I play guitar. Ich lese. I read. Ich schwimme. I swim. Ich sehe fern. Ich mache Judo. I do judo. I watch TV.

Ich tanze. I dance. Ich reite. I go horse riding.

Wie findest du das? What do you think of it?

I find it... Ich finde es ... Es ist ... It is...

amazing/super/great/cool irre/super/toll/cool

nicht schlecht not bad

boring/annoying langweilig/nervig

3. Was machst du in deiner Freizeit? What do you do in your free time?

Ich gehe ins Kino. Ich höre Musik. I listen to music. Ich gehe einkaufen. I go shopping. Ich spiele Xbox oder Wii. Ich gehe in den Park. I go to the park. Ich gehe in die Stadt. I go to town.

Ich esse Hamburger oder Pizza. I eat hamburgers or pizza.

Ich chille.

Ich mache Sport. Wann machst du das? Wie oft machst du das? am Abend/am Wochenende (sehr/ziemlich/nicht so) oft

jeden Tag

einmal/zweimal pro Woche

dreimal pro Monat

I go to the cinema. I play Xbox or Wii.

I chill out. I do sports.

When do you do that? How often do you do that? in the evening/at the weekend

(very/quite/not so) often

every day

once/ twice per week Three times a month

4. Was machst du am Computer oder auf deinem Handy?

Ich chatte mit Freunden auf Facebook

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 What do you do on the computer or on your mobile phone?

I chat with friends on facebook

I text.

I download music. I surf the internet.

I play computer games.

always sometimes never

every morning on Monday next week in 2 weeks

## Y7 German - Spring Term 2

1. Welches Fach magst du?

Ich mag ... (nicht/sehr).

Deutsch / Mathe

Naturwissenschaften

Informatik / Erdkunde Geschichte / Werken

Englisch / Französisch Sport / Theater

Was ist dein Lieblingsfach?

Mein Lieblingsfach ist ... Warum magst du das (nicht)? Ich mag (Mathe), weil es ... ist. einfach / schwierig / faszinierend

interessant / nützlich

Which subject do you like?

I like... (not/very). German / Maths

Scinece

IT / geography history / DT English / French PE / Drama

What is your favourite subject?

My favourite subject is... Why do you (not) like that? I like (Maths), because it is... easy / difficult / fascinating

interesting / useful

2. Was für ein Wochentag ist heute?

Heute ist...

Montag/ Dienstag/ Mittwoch/ Donnerstag/ Freitag / Samstag

Sonntag

Was hast du am Montag?

Am Montag ...

... habe ich/ haben wir ...

... Deutsch/ Sport/ keine Schule.

Wie viel Uhr ist es?

Es ist acht Uhr.

What day of the week is it today?

Todav is...

Monday/ Tuesday/ Wednesday/ Thursday/ Friday/ Saturday

Sunday

What do you have on Monday?

On Monday... I have / we have... German/ PE/ no school

What time is it?

Wann/Um wie viel Uhr hast du/haben wir (Englisch)?

When/ at what time do you have/ do we have (English)?

Um (8) Uhr (15).

in der ersten / zweiten / dritten Stunde in the first / second / third lesson

before / after break vor / nach der Pause

Wie heißt dein(e) Lehrer(in)?

Mein Lehrer/Englischlehrer heißt ...

Meine Lehrerin/Deutschlehrerin heißt ...

Wie ist er/sie?

Er / Sie ist ...

zu/ sehr/ ziemlich/ ein bisschen/ nicht ...

freundlich / streng / fair

unpünktlich / arrogant / lustig

What is your teacher called?

My teacher / English teacher (masc.) is called... My teacher / German teacher (fem.) is called...

What is he/she like?

He / Sie is...

too/very/quite/a bit/ not... friendly / strict / fair

unpunctual / arrogant / funny

4. Beschreib das Klassenzimmer.

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

Describe the classroom.

the table / the chair / the computer

the whiteboard / the poster / the window

the wall / the door / the corridor

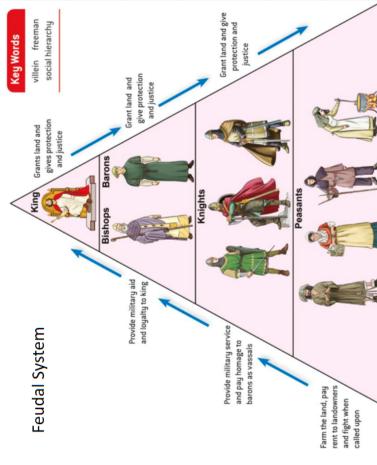
in / at school

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

	Chronology	Key Words	Definition	Important image
1066	Norman Conquest	The Church	Capital C = the whole organisation / institution of the	1 The transfer of in the case
1085	Domesday Book		Camolic Church based in Rome.	
1087	William II	The church	Small c = the church (building) in the village	The Manor The
1095- 1492	The Crusades	The Pope	The leader of the Catholic Church, lives in Rome and all Catholics must obey him	
1100	Henry I	Archbishop	Lower rank than The Pope but usually in charge of the Catholic Church within individual countries	200
1135	Stephen & Matilda		Religious wars called by The Pope of Catholics vs	
1154	Henry II	The Crusades	Muslims (mostly fought in the Middle East)	
11/0	Inomas becker murdered		A survey done by William the Conqueror to assess the	
1189	Kichard I (Lionneart)	Domesday Book	land and wealth in England so he could tax them	
1199	Magna Carta		T- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
1216	Henry III	Feudal System	The structure (nierarchy) of England following the Norman Conquest	
1373	Edward		The act of swearing an oath of lovalty to vour lord	THE PARTY OF THE P
1265-	Welsh & Scottish wars	Homage	(Knight, Baron, Noble or King)	
1314			An important member of The Church (Priest, Archbishop,	STATE OF THE STATE
1307	Edward II	Clergy	The Pope who is the top ranking clergy)	
1327	Edward III		i i	10
1348	Black Death	Monarch	The king of queen is the monarch of their country	
1377	Richard II	Tithe	A tax, 10% of your earnings was paid to The Church at volir church service on a Sunday	
1381	Peasant's Revolt		The Menor was an error of land grounded by the king to a	2 12 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1399	Henry IV		line mailor was an area or land granted by the king to a lord. He was the Lord of the Manor and lived in the	
1413	Henry V	Manor (House)	Manor House. The Peasants worked the land of the	の一川はいいできませんが
1422	Henry VI (Lancaster) 1		Manor	
1455-	Wars of the Roses	Doasant	A poor person at the bottom of the feudal system	
1485		reasain	(bottom of society) who works the land	1) Manor House 7) Mill 2) Church 8) Blacksmith
1461	Edward IV (York) 1	Villein	Peasants with land to farm, unable to leave their manor	Peasants' houses
1470	Henry VI (Lancaster) 2			
1471	Edward IV (York) 2	Serf	Peasant with land to farm, was able to leave their manor	Бакету
1483	Edward V		A musichment by The Deep housing you from attending	
1483	Princes die in the tower		A punishment by The Pope banning you from attending church and church services meaning you will go be	
1483	Richard III	Excommunication	going to hell. Usually a threat of excommunication first	
1485	Battle of Bosworth			
1485	Henry VII (Tudors)	Miasma	A theory that bad air causes illness (Black Death)	
	Events Key	Epidemic	When a disease spreads across a large area	
	Evelles hely	Pandemic	A disease that has spread across the whole world	
New Monarch	narch	1	A form of self punishment where you whip yourself in the	
War or Battle	Sattle	Flagellant	to do the contract of the cont	
Significant Event	nt Event	Taxation	A payment made from your earnings to the government / Lord of the manor	



# Common misconceptions

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

Whilst the Middle Ages was a period of relative filth and squalor, the people were cleaner than we think. They believed cleanliness was next to Godliness so washed their hands and faces before all meal times

to Godliness so washed their hands and faces before all meal times
People in the Middle Ages were not 'stupid', they were as creative and
economical as we are today. Their attitudes were a little less
adventurous but their beliefs made sense to them.

### Key Themes

Government, Protest, Democracy, Military

# Books / Articles / Films / websites

Measly Middle Ages (Horrible Histories)

Life in the Middle Ages BBC Bitesize

## Core Knowledge

Generally speaking historians refer to the Middle Ages as the period following the Norman Conquest to the Tudor Period (1066-1485)

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.

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)

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.

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.

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 flagellants, whipping themselves to punish themselves so God wouldn't have to.

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. The Peasant's marched on London, killing the Archbishop and demanded to speak with King Richard II. Richard agreed to deal with the taxes, but killed Tyler and other key rebels.

## Key discoveries / ideas

Magna Carta in 1215 was the beginnings of challenging the monarch and their unlimited power.

Doom Paintings were designed to illustrate Heaven and Hell to war people what would happen if they sinned

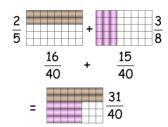
Being excommunicated by The Pope was possibly the worst thing that could happen, meaning you would be going to hell when you died.

Over-lordship was the idea the king of England had the right to rule over Scotland, Wales and Ireland as well

### Year 7 Knowledge Organiser ADD AND SUBTRACT FRACTIONS

### **Key Concept**

Find equivalent fractions with same denominators and add the numerators.



### **Key Words**

Fraction: A fraction is made up of a numerator (top) and a denominator (bottom).

Add: sum, total, plus.

Subtract: difference, fewer, minus, take away.

### **Equivalent fractions:**

fractions that represent the same amount.

### **Examples**

$$\frac{2}{7} + \frac{3}{7} = \frac{2+3}{7} = \frac{5}{7}$$
  $\frac{5}{7} - \frac{2}{7} = \frac{5-2}{7} = \frac{3}{7}$ 

$$\frac{5}{7} - \frac{2}{7} = \frac{5-2}{7} = \frac{3}{7}$$

$$\frac{2}{5} + \frac{3}{11} = \frac{22}{55} + \frac{15}{55} = \frac{37}{55}$$

$$\frac{2}{5} + \frac{3}{11} = \frac{22}{55} + \frac{15}{55} = \frac{37}{55}$$

$$1\frac{2}{5} + 2\frac{3}{11} = 1\frac{22}{55} + 2\frac{15}{55}$$

$$= 3\frac{37}{55}$$

$$\frac{2}{5} + \frac{3}{5} = \frac{2+3}{5} = \frac{5}{5} = 1$$

$$\frac{2}{5} + \frac{3}{5} = \frac{2+3}{5} = \frac{5}{5} = 1$$
  $1 - \frac{1}{3} = \frac{3}{3} - \frac{1}{3} = \frac{3-1}{3} = \frac{2}{3}$ 

### & hegartymaths **Clip Numbers** 61 - 66

### qiT

- A larger denominator does not mean a larger
- To find equivalent fractions multiply/divide the numerator and denominator by the same number.

1) 
$$\frac{3}{5} + \frac{4}{15}$$
 2)  $\frac{2}{7} + \frac{5}{8}$  3)  $\frac{7}{9} - \frac{2}{5}$ 

3) 
$$\frac{7}{9} - \frac{2}{5}$$

 $\forall NSMERS: 1) \frac{12}{13} = 5) \frac{26}{31} = 3) \frac{42}{13}$ 

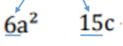
### Year 7 Knowledge Organiser Algebraic Expressions

### **Key Concept**

### **Expressions**

$$3a + 2b + 4a + b$$

$$f^2 + f^2 + f^2$$
Coefficients



(number in front of the variable)

A hegartymaths **Clip Numbers** 154-169, 548-550

### **Key Words**

### Variable: A

letter/symbol used to represent an unknown number or quantity.

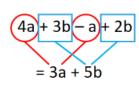
Expression: Shows a mathematical relationship whereby there is no solution.

Substitution means putting numbers in place of letters/symbols to calculate the value of an expression

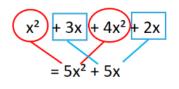
### **Examples**

- 1) axb = ab
- 3) 0.5w = ½w
- 2)  $y + y + y = 3 \times y = 3y$
- 4)  $\frac{1}{4}d + \frac{1}{4}d + \frac{3}{4}d = \frac{3}{4}d$

### Simplify:



### Simplify:



### Tip

When simplifying expressions be careful with negatives.

### Questions

- 2)  $2 \times p \times q$  3) 5x + 3y 2x + 4ya+a+a+a+a
- 2p 6q + 2q + 4p

 $b_{1/2} - d_{9}$  (7  $\lambda = x \in (\epsilon$ 5) 7bd 1) Sa **YUSWERS:** 

### Year 7 Knowledge Organiser **GEOMETRY** (Labelling)

Key Concept	Number of Sides	Polygon Name
	3	Triangle
Dalusana	4	Quadrilateral
Polygons	5	Pentagon
	6	Hexagon
	7	Heptagon
	8	Octagon
	9	Nonagon
	10	Decagon
	11	Hendecagon
	12	Dodecagon
,	Ø	135%

Labelling

### **Key Words**

Lines of symmetry:

imaginary line and divides a shape into identical halves.

Rotational symmetry: a

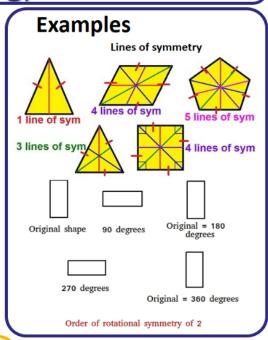
shape has rotational symmetry when it still looks the same after some rotation.

Scalene triangle: a triangle with 3 different sides

Isosceles triangle: a

triangle with 2 equal sides and angles

Equilateral triangle: a triangle with 3 equal sides and all angles 60°



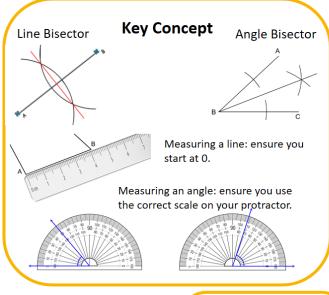
Question Describe this shape:

### Tip

Using accurate labelling will ensure you do not miss out any properties.

& hegartymaths Clip Numbers 455, 822, 824, 827, 828

### Year 7 Knowledge Organiser GEOMETRY (Construction/Measure)



### **Key Words**

Construction: To draw a shape, line or angle accurately using a compass and ruler.

Parallel: Two lines which never intersect. **Perpendicular:** Two

lines that intersect at 90°.

Bisect: Divide into two

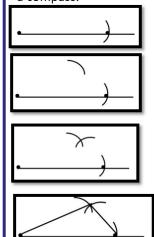
parts.

**Equidistant:** Equal

distance.

### **Examples**

Constructing an isosceles triangle using a compass.



& hegartymaths **Clip Numbers** 458-461, 660-669

### Tip

Make sure you can use a ruler, compass and protractor properly in order to measure and draw accurately.

Always use ruler and pencil.

### Questions

- 1) Draw these angles then bisect them using constructions: c) 124°
  - a) 46° b) 18°
- 2) Draw these lines and bisect them: a) 6cm
- b) 12cm

# Music Performing Skills 2

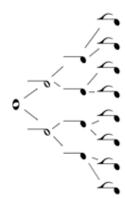
Graphic Score  Graphic Score  Symbols, dis A notated Score  Notated Score  Notated Score  Notated Score  Notation.  Key ter  Rey ter  How a musinative signature signature signature  Fulse  Pulse  How a bar is the time signature signature  How a musinative signature  How a musinative signature  How a par is the time signature signature  How a par is the time signature signature  How a par is the time signature signature  Key Ter  Key term – R  How notes of the time signature in a signature si	
ic Score ad Score ture	A score is a way that music can be written down
d Score ture	A graphic score can use anything to help
ture ture	convey the composers intentions – pictures,
ture ture	symbols, diagrams etc.
E F	A notated score uses traditional musical notation.
E F	Key term – Metre
E Transfer of the second of th	A regular pattern of beats indicated by a time signature
E tree	How a musical score is divided up with a set
e tu	number of beats in each bar as defined by
ture	the time signature
Figure 15 Figure	
도 12 오 오 12	How many beats in a bar
도 12 오 오 오 오 오 오 오 오 오 오 오 오 오 오 오 오 오 오 오	How a bar is sub-divided
/thm /thm	The steady beat felt throughout the music
ythm K	3 beats in a bar
오 ~	4 beats in a bar
오 그	Key Term - Tempo
<b>X</b>	How fast or slow music is played
	Key term – Rhythm Notation
	How notes of varying lengths can be used to make interesting patterns
	2 beat duration
	1 beat duration
<b>Quaver</b> 1/2 beat dur	1/2 beat duration
Rests A silent dura	A silent duration
<b>Ostinato</b> A repeated	A repeated pattern of notes

	Key term – Pitch Notation
How differen	How different pitches are notated on a traditional score
Stave	
Treble Clef	EGBDF/FACE
	Key term - Chords
How notes	How notes can be played together to create chords
Triads	3 notes played together at the same time
Basic Chords	Chords I and V

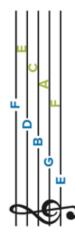
	Identification and application of vocabulary
Listening	relating to rhythm
	Identification of time signatures
	Performing music from Graphic and Notated
Performing	scores
	Singing in a class environment
Composing	Compose a short rhythm based piece
edilipodilig	demonstrating knowledge of key words
Contextual	Short research project based upon a
Knowledge	historical period of music

## Practical Skills

	Developing keyboard skills including layout of
Keyboard	the keyboard and using the correct fingers
	when playing.



## TREBLE CLEF



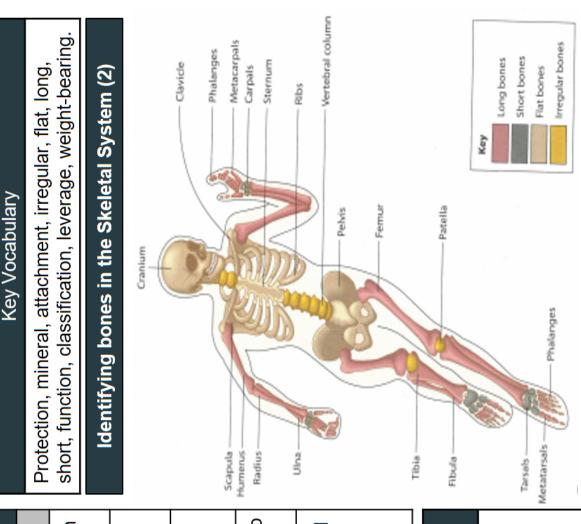
# 7.3 KS3 Core PE Knowledge Organiser: The Skeletal System

		Function of the Skeleton (1)	
	Function	Example	
1	Protection	The cranium and ribs <b>protect</b> the brain and <b>vital organs</b> in the chest.	
2	Joints for movement	Joints allow the skeleton to move (e.g. the knee allows the leg to bend)	
3	Muscle attachment	The skeleton provides a surface for muscles to attach to via tendons	
4	Mineral storage	Bones store calcium and phosphorus to make sure they are strong.	ž "
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.	

# Worked example – **Explain** how a <u>function of the skeleton</u> aids performance in *rugby union* (3 marks)

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).

Explain - Requires a justification/exemplification of a point. The answer must contain some linked reasoning



# 7.4 KS3 Core PE Knowledge Organiser: The Skeletal System

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

### <u>Year 7 Spring Religious Studies – Rites of Passage</u>

Key Term	Definition
Baptise	To make someone officially a member of the Christian Church 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 <sup>th</sup> 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.

The name ending of the third element Naming **3 element** compound changes to **-ate**. Sodium + sulfur + oxygen → Sodium sulfate

Reduction – removing oxygen in a reaction.

Iron oxide → Iron + oxygen Examples: extracting meals

Copper + Oxygen → Copper oxide

Oxidation – adding oxygen in a

reaction.

Examples: combustion; rusting

The name ending of the second element Naming 2 element compound changes to **–ide**.

Sodium + Chlorine → Sodium chloride

**Decomposition** – Breaking down a

<u>Formula</u>

LiNo

5 atoms (1 x Li + capital letters) 3 elements (3  $1 \times N + 3 \times 0$ 2 elements (2 capital letters) 3 atoms  $(1 \times Mg + 2 \times CI)$ MgCl

Tier 2 Vocabulary Carbon dioxide Rusting Tier 3 Vocabulary

Reduction Oxidation

Equation

Decomposition

Conservation of Mass

Formula

Acids

Neutralisation Alkalis

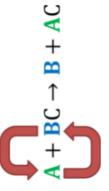
Antacid Oxides

**Polymers** 

Composites Ceramic

element pushes a less reactive element out **Displacement** – When a more reactive of its compound. compound. (One compound breaks down





S

Heat → ZnO

ZnCO3

000000 Limewater CO<sub>2</sub> gas Squeaky pop **Turns cloudy** Relights

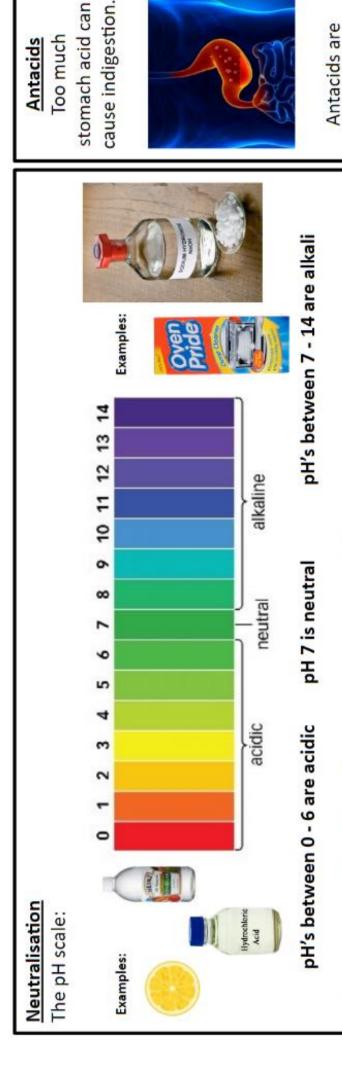
Observation **Bubble into** limewater Lit splint Glowing splint **Test** Hydrogen Carbon Oxygen dioxide Gas **Gas Tests** 

Year 7 Topic 2 Knowledge Chemistry Organiser

into two parts)

Copper carbonate → Copper oxide +

Carbon dioxide



Too much acid in your stomach can cause indigestion. Antacids are used to neutralise the acid.

When an acid reacts with an alkali they form a neutral solution containing a salt and water.

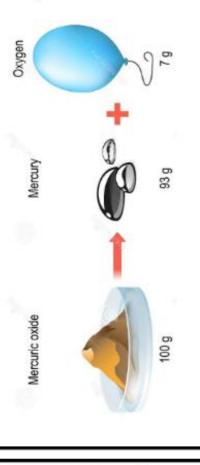
# Conservation of mass

can neutralise the

stomach acid.

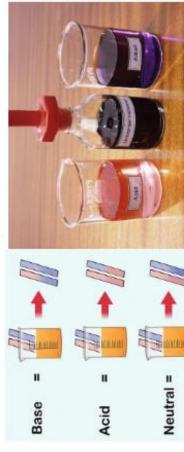
medication that

During a chemical reaction, the total mass and number of atoms of the reactants equals the total mass and number of atoms of the products



# Universal Indicator

Universal indicator shows the colours of the pH scale. This tells you what the pH of something is.



### Litmus Paper

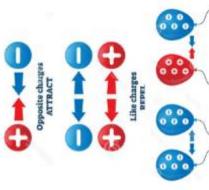
Litmus paper can also be used to tell you the pH of a substance.

## Static charge

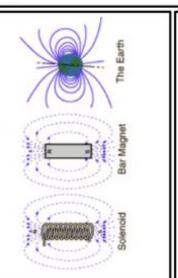
Insulators (not conductors) can become charged when rubbed.

They become either positively or negatively charged. Two objects that have the same charge repel each other.

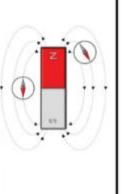
Two objects that are oppositely charged attract each other.



nickel and cobalt) feel a force. materials (like iron, steel, magnetic field which is a region where magnetic A magnet produces a



A plotting compass can help us map the magnetic field.



What is Electromagnet

A solenoid is a loop of wire with a current passing through it which creates a magnetic field.

electron

Negative (-)

Electron

Positive (+)

Proton

Charge

Particle

6 protons

+ proton

neutron

Positive (+)

Nucleus

Neutral

Neutron

nsulator

Field

Electron

More loops of wire or a larger current Electromagnets (solenoids with soft iron cores) and produce magnetic make a stronger magnetic field. fields.

**Thermistor** 

Solenoid

Resistor

Proton

Voltmeter

Potential Difference

Veutron

LDR

### Bar magnets

Tier 2 Vocabulary

Bar magnets have a north (N) and south (S) magnetic pole.

attract (N v S), but like poles Opposite poles of magnets repel (N v N or S v S).

Compass

Current

Fuse ED

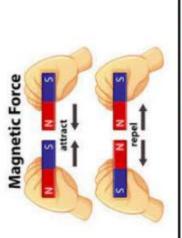
Charged

Battery

Circuit

Magnetic

Vegative



Positive

Series

Repel

Parallel

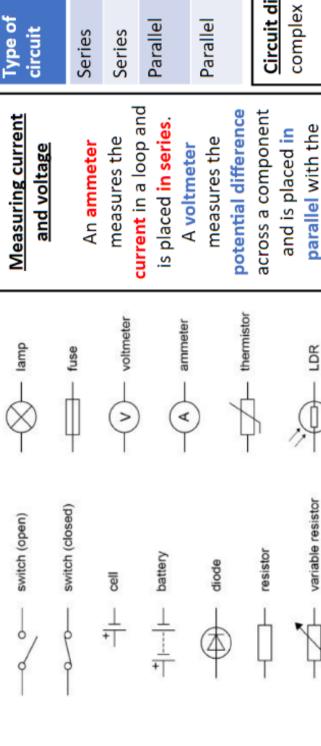
Pole

Veutral

Tier 3 Vocabulary Electromagnet Conductor Ammeter Diode Cell

> Year 7 Knowledge Organiser Physics – Electricity

48



### parallel with the component.

# Resistance and Ohm's Law

which it opposes the flow of component is the degree to measured in ohms,  $\Omega$ ) of a The resistance (symbol R, current.

to charges around the circuit (or across

a component).

It measures the size of the push given

proportional to the potential The current passing through current around the circuit difference pushing the a circuit is directly

ampères, A) is the rate of flow of charge

Current (symbol I, measured in

Current

(symbol Q, measured in coulombs, C)

I = V/R

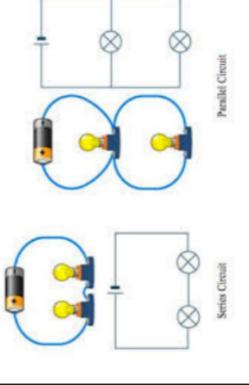
For current to flow the circuit must be

complete (no gaps).

|-|-

lype of circuit	Property	The same /shared
Series	Current	The same
series	Pot. Diff.	Shared
arallel	Current	Shared
arallel	Pot. Diff.	The same

Circuit diagrams help us to simply display complex circuits.



A series circuit has one loop.

As you add more bulbs into the same loop they will become dimmer.

A parallel circuit has more than one loop.

Two bulbs in different loops will stay the same brightness.

LED

Potential Difference (P.D.) or voltage

(symbol V, measured in volts, V) is

provided by a cell or battery.

# Unit 3: El tiempo libre – Free time Spanish Y7 Spring Term Knowledge Organiser

Key spellings	lings	?
li fasii yllear ad lliw yadt sprillans asadt mea l	will be really useful	
for this unit and vou will be tested on them.	tested on them.	bai
1. hado	l do	car
2. juego	I play	hak
3. me gusta	l like	m 0
4. no me gusta	I don't like	sac
5. porque	because	ţ

Key snellings	lings	¿Qué haces en tu	What do you do in	Los días de la	Davs of
d liw yett spalleds esett and	will be really useful	tiempo libre?	your free time?	semana	wee
this unit and vou will be tested	<u>5</u>	bailo	I dance	lunes	Monday
nado		canto karaoke	I sing karaoke	martes	Tuesday
IIEUO	I play	hablo con mis amigos	I talk with my friends	miércoles	Wednesd
ne diista	like	monto en bici	I ride my bike	jueves	Thursday
no me dileta	I don't like	saco fotos	I take photos	viernes	Friday
DOLUITE STORE	herause	toco la guitarra	I play the guitar	sábado	Saturday
200		What do you think escucho música and	cucho música and	domingo	Sunday
Key vocabulary and questions	nd auestions	mando SMS mean?	ı	Remember - no capital let	capital let
function for	and descent				

What do you do in	Los días de la	Days of the	Time p	Time phrases
your free time?	semana	week	a veces	sometimes
dance	lunes	Monday	de vez en	from time
sing karaoke	martes	Tuesday	cuando	to time
talk with my friends	miércoles	Wednesday	nunca	never
ride my bike	jueves	Thursday		
take photos	viernes	Friday	a menudo	опеп
play the guitar	sábado	Saturday	todos los	every day
ch <u>o</u> música and	domingo	Sunday	días	
	Pemember - no canital letterel	canital latterel		
		capital letters:	Tho york UACED	
			וופ אפו מ	2122

ohra	SOI	Ę.	ᅌ	ne	+	Ď	e			Ā	(To do)
Time phras	a veces	de vez en	cuando	nunca		a menudo	todos los	días	F	I ne verb HA	(To
Days of the	week	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	capital letters!		What's the weather
Los días de la	semana	lunes	martes	miércoles	jueves	viernes	sábado	domingo	Remember – no capital letters!		¿Qué tiempo What'
do you do in	r free time?	0	araoke	ith my friends	ny bike	photos	he guitar	núsica and			¿Qué

emember - no capital letters!	mpo What's the weather
mando SMS mean?	Key grammar ¿Qué tiempo
	\$

¿Qué te gusta hacer?	What do you like to	F
	do?	
Me gusta	l like	Use
Me gusta mucho	I really like	thing
No me gusta	I don't like	are
No me gusta nada	I really don't like	amo
chatear	to chat online	+
escribir correos	to write emails	
escuchar música	to listen to music	¥-
jugar a los videojuegos	to play video games	
leer	to read	
mandar SMS	to send texts	
navegar por <u>I</u> nternet	to surf the internet	
salir con mis amigos	to go out with friends	9
ver la televisión	to watch TV	Chat
¿Por qué?	Why?	Man
porque es	because it's	Bail
porque no es	because it's not	1
interesante	interesting	pallo
guay	cool	baila
divertido	fun/funny	baila
estúpido	stupid	baila

משום וופוווסיים	rbs hace?	En primavera	that En verano	e/l En otoño	En invierno	hace buen tiempo
	The present tense -AR verbs	se the present tense to talk about	ings you normally do, or things that	e happening right now (I dance/I	n dancing).	1

orm the present tense for regular verbs:

you (pl) do

hacéis

hacemos we do

they do

hacen

the weather is good

In winter

the weather is bad

nace mal tiempo

hace calor hace frío nace sol llueve nieva

he/she/it

hace

In summer In autumn

In spring

does

you do

haces

hago

The verb JUGAR

(To play)

- Remove the -AR ending from the infinitive.
  - Add the correct ending from the table below

dar - Mand - Mandas = you send tear - Chate - Chateo = I chat

you (pl) play

ingáis

we play

ugamos

he/she/it you play

j<mark>ue</mark>ga

it snows/it's snowing

it rains/it's raining

it's sunny it's cold it's hot

plavs

l play

uego

uegas

they play

uegan

When it's raining...

Cuando Ilueve...

cuando Ilueve?

¿Qué haces

when it's raining?

What do you do

	Bailar bailo bailas baila baila	To dance I dance You dance He/She/It dances We dance
9	bail <mark>áis</mark>	Yon (pl.) dance
Φ	bail <mark>an</mark>	They dance

	¿Qué deportes haces? What sports do you do?	es haces? do you do?	
Hago	I do	Juego al	I play
artes marciales	martial arts	baloncesto	basketball
atletismo	athletics	fútbol	football
equitación	horse riding	tenis	tennis
gimnasia	gymnastics	voleibol	volleyball
natación	swimming	rugby	rugby
ciclismo	cycling	hockey	hockey
esdní	skiing	golf	golf
Can you use a di	Can you use a dictionary to look up more sports to add to the	p more sports to	add to the
list?			

### In Spanish, there are 3 types of infinitive verb. They each have a different ending: -IR (salir, escribir) In English, infinitive verbs translate as 'to do', 'to eat', 'to go' etc. -ER (leer, ver) -AR (escuchar, mandar)

Infinitve verbs

Always remember to justify your opinion

with porque and a reason.

boring

aburrido

# Y7 Spring Term Knowledge Organiser Spanish

Unit 4: El instituto – School

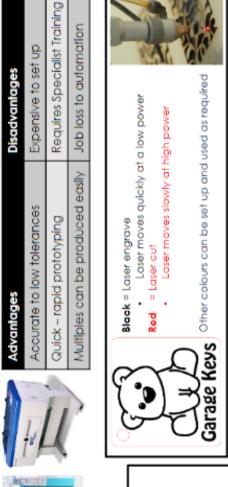
What are your toochard like?	your teachers like?	I ne teacher (remaie) is	The teacher (male) ISn't				What other personality adjectives can you remember from unit 1?			R verbs	erbs:		initive	elow		crib - Escribes = vou write	Towrite	S. C.	i mile	You write	He/She/It writes	s We write	You (pl.) write	They write	What do you do at	break?	At break time	leat	a sandwich	fruit	some sweets	a chocolate bar	some crisps/chips	I chew gum	I drink	Water	a fizzy drink	a lizzy dillin	a juice	I read my texts	write texts	I don't do nomework
	F	I ne teacner	I he teacher	DDO	strict	patient	diectives can vou		Key grammar	The present tense -ER/IR verbs	for regular -ER/-IR \		Remove the -FR/IR ending from the infinitive	Add the correct ending from the table below		nk Escribir - Escrib -		ocoribo	Cascillo		ats escribe	escripimos	t escribís	escriben	Out bacca duranto	el recreo?	Durante el recreo	Como	un bocadillo	а	unos caramelos	una chocolatina	unas patatas fritas	Como chicle	Bebo	a	un refresco	di circoco	Zuillo :	Leo mis Sims	ESCRIBO SIMS	No nago los deberes
وممؤميم مينا مدم مسفي.	saioid smi lios ollios?	La proresora es	El protesor no es	raro/a	severo/a	paciente	hat other personality a			The pres	To form the present tense for regular -ER/-IR verbs:			2 Add the correct end	i	Beber – Beb – Beb <b>o</b> = I drink				,	come He/She/It eats	comemos We eat	coméis You (pl.) eat	comen They eat	0:					las ciencias fruta		, IO			Bel	adna	1			Lec Lec		
Why?	<u>v</u>				<u></u>		<u></u>	difficult	easy	useful	important		What's voice	Wildt s your	SCHOOL LINE:	io/ion't	-			good						When using opinions in Spanish, remember to use the	article (el/la/los/las) and add <b>n</b> for plurals:	ujo? Me encanta la religion.		idiomas? No me gustan las ciencias	⊩	) IISL	In my school there is/are			a dining hall	a gym	a playground	a library	a pool		
¿Por qué?	Porgue es			(a)0/0/printing			a(s)	difícil(es)	fácil(es)	útil(es)	importante(s)		1	ni sa ciliono?					0	pneno	feo	nde	0			When using opin	article (el/la/los/la	¿Te gusta el dibujo?		¿Te gustan los i		¿Que nay en tu instil?	En mi insti nay	NO nay	un campo de Tutbol	un comedor	un gimnasio	un patio	una biblioteca	una piscina	unos laboratorios	unas clases/aulas
Kovepellings	6611112	ney will be really userul	De tested on them.	Spallisti	l study	boring	there is/are	fin		Key vocabulary and questions	•	What do you study?	I study	I don't study	We study	English	art	Spanish	Franch		German	drama	IT/Computing	design technology	deography	history	RE	PE	00000	moths	IIIdilis	languages	What do you like?	I (really) like	I (really) don't like	I (really) doint like	. love	I prefer	I hate	l like (plural)	I don't like (plural)	I love (plural)
Kover	de (a)	Learn these spellings, they will be really userul	10 this unit and you will be tested on them	I. espanol		3. aburrido	4. hav	5 divertido		Kev vocabulary		¿Qué estudias?	Estudio	No estudio	Estudiamos	inglés	dibujo	español	francés		aleman	teatro	informática	tecnología	dendrafía	historia	religión	educación física		motemáticos	maternations	idiomas	Oné te dusta?	Me dista (micho)	No me dileta (nada)	Me encepts	ווום פווכמוומ	Prefiero	Odio	Me gusta <b>n</b>	No me gusta <b>n</b>	Me encanta <b>n</b>

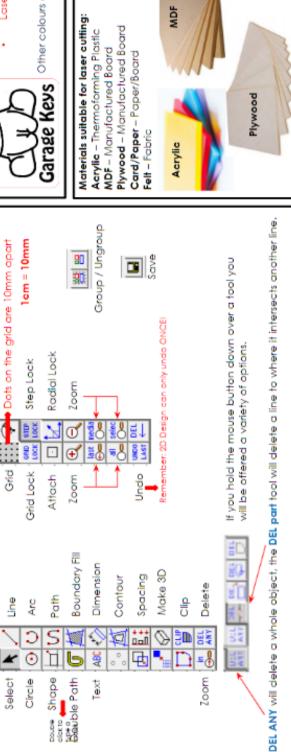
# KS3 Knowledge Organiser – **Year 7 CAD/CAM**

# Computer Aided Design

# Computer Aided Manufacture

		Section to the section of the sectio		
Advantages	Disadvantages	Mary and the second		Advan
Highly accurate	Expensive set up			Accur
Can communicate with CAM	Requires Training	252	1	Quick
Files can be saved/shared via email	Files can corrupt/be deleted		>	Multipl
Can use features like copy and paste Requires access to a computer	Requires access to a computer			
			(	





ē

Card/Paper

Radial Lock Step Lock

Grid

Drawing Aides and Tools:

Grid Lock Attach Zoom

<u></u>

Select Circle Zoom

**Boundary Fill** Dimension

Path

Sicro Shape Shape

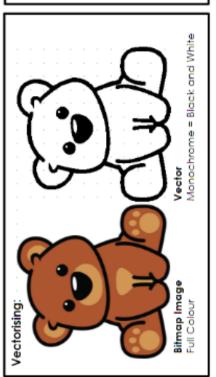
How to ensure a closed boundary:

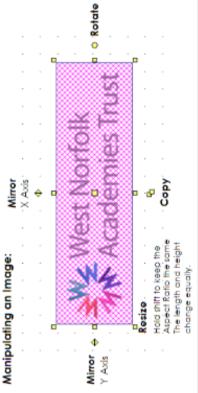
and 'Delete Part'

Use the Attach' tool

Overlap lines

will be offered a variety of options.





'Edit' the lines and join the nodes

Join Node Del Node

O

Make 3D Spacing Contour

0

Delete

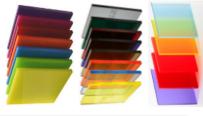
Z00m

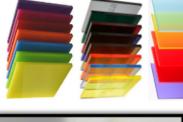
# KS3 Knowledge Organiser – Year 7 Plastics, Health & Safety, Simple Electronics

Health & Safety





















▼ A light emitting diode (LED)

Electronics – LED's

ights up when electrons are

Wear Protecti Gloves
ar ors

Wear rotective Clothing
<b>4</b> <sub>4</sub>

Wear Protective Clothing
4 ¥

	\$ p
١	the car
,	> 5 5 5
	•
	_
	a









### ▼ The cathode (negative) has ►If the legs have been cut to the same length you can tell a shorter leg Anything to do with a persons computer for long periods to

wellbeing in any given situation. From sitting at a

Health and



▶ The anode (positive) has a

► LEDs have a positive leg

flowing through it

and a negative leg



# the negative leg as it has a flat edge to the plastic casing.

A document that considers all

operating machinery.

minimize or remove risk to

Assessment

Oil based (bad for the Scratches easily

environment)

Disadvantages:

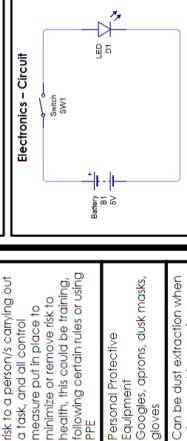
Brittle

Available in many colours and

Recyclable

Advantages:

measure put in place to a task, and all control



Personal Protective

Equipment

PE

gloves

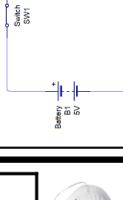
Can only be heated and shaped once

Epoxy resin, polyester

Not recyclable

formaldehyde

resin, urea



E E





Can be heated and shaped repeatedly

Thermoplastic (Thermo-forming Plastic)

Can be recycled

polythene, nylon,

Acrylic, PVC,

polypropylene

extraction when gluing or using machinery or fume

Extraction

painting.





A simple circuit has been created to run

a colour change LED. It consists of







Health and safety rules MUST be followed at all times.









This can then be bent to shape and held in place until cooled

thermoforming plastic (acrylic)

Strip Heater

Process is called Line Bending A heating element softens a

Thermo-Forming: Bending Plastic







entrapment in machinery back and Long hair

Switch

in to prevent must be tied fies tucked

Types of Plastic

**Thermosetting** 

# KS3 Knowledge Organiser – Year 7 Timbers and Boards

### Natural Wood (Cut from a Tree) or fibres to create a box Man Made Boc (Manufactured from no and Chipboard,) Offen used as a general ferm) Wood

### ypes of Wood

The properties shown below are generally true Natural wood can be divided into two groups,

Hardwood	Softwood
From trees with broad leaves	From trees with needles
Slow growing	Fast growing
More Expensive	Cheaper
Close grain	Wide grain
Considered more attractive	Less attractive
More moisture resistants (less	Less moisture resistan
likely to rot)	(More likely to rot)
Denser	Less dense
Heavier	Lighter
Harder to cut	Easier to cut
An example would be	An example would
Oak	be Pine

ards atract wood sheets, pieces and such as MDF, Plywood	Hardwood and Softwood. for each group Softwood
ards	Hardw
atural w	for eac

### Generally harder to cut and shape Slow growth rate More expensive Disadvantages Good Aesthetics (looks good) Extremely durable Easy to maintain High strength Advantages Hardwood

Coping Saw

Tennon

Saw

Hook

Bench

HAND TOOLS USED

### Softwood

	Advantages	Disadvantages
	More sustainable (frees grown quicker)	Can be knotty
	Easier to cut and shape	Weaker, less durable
	Cheaper	
_		

# MDF – Medium Density Fibreboard

Woodwork

Vice V

Clamp

Glass Paper

Hand

G Clamp

Advantages	Disadvantages
It is easy to cut and shape	Not as attractive
Takes paint well	Quickly damaged by water
Available in large sheets	MDF dust is harmful
Cheaper than other options	Weaker than plywood

### Plywood

Thin layers of wood glued together

with grain at 90° angles.

Plywood – Manufactured Board

Manufactured Board or Man Made Boards

Wood fibres glued together and rolled flat MDF - Medium Density Fibreboard

to form a sheet.

Advantages Available in large sheets Available in various thicknesses Good strength and durability Better than MDF with water contact
---



Aesthetics of Timber

The rings on a tree stump indicate

Age of a Tree

annual growth so you can

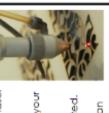
age a tree by counting

the number of rings.

Lines in wood are called the grain These marks are















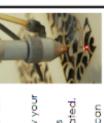
show where a branch grew

> the tree did not grow as much. rings show dryer years when

grew more and narrower

Wide rings show wetter weather when the tree

called knots and







Pillar Drill

Sander

Disc

Scroll

**MACHINERY USED** 

Saw

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.

### Introduction to food safety Knowledge organiser

### everywhere, but only a few will make us ill Bacteria are

# Before cooking you must....

- Wash your hands and dry them on paper towel
- Put on an apron
- Tie back long hair
- Clean the work surface with an antibacterial cleaner 1





# Where can you store food:

COLOUR CODED CUTTING BOARDS

Reducing health risks

Areas most commonly missed

Areas least frequently missed

**RAW MEAT** 

**RAW FISH** 

- In the fridge (for foods with a use by date)
- The cupboard (for foods with a best before date)
- The freezer

SALAD & FRUIT

VEGETABLES



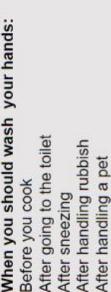
BAKERY & DAIRY



Cut down on saturated fat and sugar

The claw grip and bridge hold

When you should wash your hands: After going to the toilet After handling rubbish Before you cook After sneezing



Get active and try to be a healthy weight

Drink plenty of water

Don't skip breakfast



# Year 7 Knowledge Organiser 2022 Design and Technology Textiles

# Batik Specific Language and Terms

**Tjanting** 

A method (originally used in Java) of
producing coloured designs on textiles by
dyeing them, having first applied wax to the
parts to be left undyed.

Batik

wax in batik work usually consisting of a capillary spouts and a handle of reed or a Javanese instrument for applying hot small thin copper cut with one or more bamboo Primary, secondary, tertiary colours. Also complementary colours and how to mix looking at harmonious and

Colour theory a style or movement in painting originating in concern with depicting the visual impression of the moment, especially in terms of the France in the 1860s, characterized by a shifting effect of light and colour.

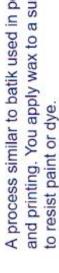
Impressionism

A process similar to batik used in pottery and printing. You apply wax to a surface

# Mark making

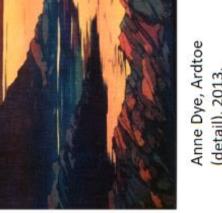
dots, marks, patterns, and textures we create in an artwork. It can be loose and gestural or Mark making describes the different lines, controlled and neat.

Wax resist



# Examples of Batik designers:





(detail), 2013.

Lily Avanessian, Ararat.



Trini Kenny. Traharta, West Cork, 2021

# Specific Language and Terms

### Specification

A design specification provides information about the requirements of a product and how the product is to be manufactured.

## Embellishment

A decorative detail or feature added to something to make it more attractive. This could be using beads, buttons or embroidery.

### Sewing

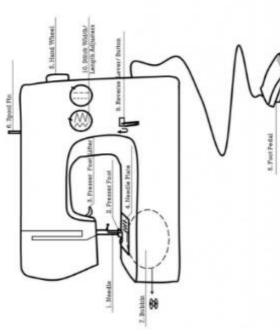
Using a needle and thread to sew or stitch fabric together. Can be done by hand or by sewing machine.

## Annotation

A note by way of explanation or comment added to a text or diagram.

# Where did batik come from?

Batik is an ancient art that has been carried forward for thousands of years. It is practiced in countries like Indonesia, Middle East, Thailand, Africa, Malaysia, India, China, Philippines, and other countries. The exact origin of batik is not known, but it is widely common on the island of Java, Indonesia.



## What is batik?

Batik is a process of using melted wax as a resist on fabric. The wax may be painted on a white or coloured fabric using a canting or brush or it may be stamped onto the fabric using a copper stamp dipped in melted wax. The fabric is then dyed, and the areas that have been waxed will not be penetrable by the dye.



### **Notes Page**

### **Notes Page**