

Monday 21st April	Week A
Monday 28th April	Week B
Monday 5 th May	Week A
Monday 12 th May	Week B
Monday 19 th May	Week A

Please note: Maths homework will be on an online platform for this term. It will be set and checked weekly separately from the timetable.

Knowledge Organisers 2024-25 Year 7 – Term 5

Complete your homework on the night stated e.g. if it is a Monday Week A you will complete ICT/DT

Week A V		Week B
Monday	ICT/DT	MFL
Tuesday	English	English
Wednesday	Science	Science
Thursday	History	Geography
Friday	RS	Music/Art

Contents

How to...

Art - Pg 4

Computing - Pg 5

Drama - Pg 6-7

DT - Pg 8

English – Pg 9

Food – **Pg 10**

French XX

Geography - Pg 11

German – Pg 12-13

History – Pg 14

Maths - Pg 15-17

Music – Pg xx

PE - Pg 18

RS - Pg 19-21

Science - Pg 22-25

Spanish – Pg 26-27

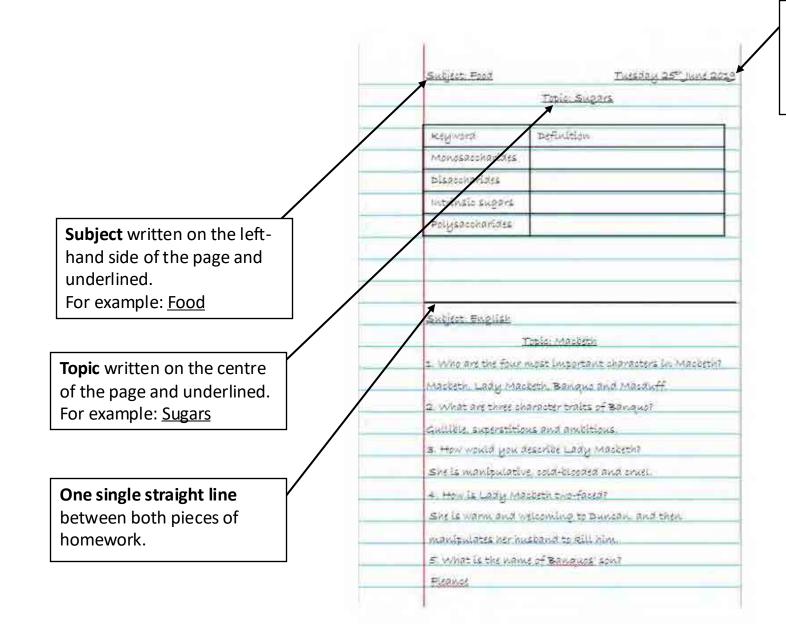
Textiles – Pg 28

This Knowledge Organiser is to help you see the key information for each subject for this term. You can use this to help you both with homework and with revision, supporting your learning at home. In the table below you will find the instructions for each subject to be completed on the correct day.

Subject	Tasks		
Maths	Homework question tasks/sets will be set weekly on an online platform. You will have one		
	week to complete this online, before it is checked for competition and the next set is		
	published.		
Science	For term 2 this will be directed by your classroom teacher. It could involve an online platform		
	too.		
English	Using the separate question booklet, divide your homework book page in half length ways,		
	write the questions out on the left hand side. First, attempt to answer the questions from		
	memory/your own knowledge. Then use your knowledge organiser booklets to check your		
	answers and fill in the missing ones.		
MFL	Find the correct date in the KO and the question booklet. With the list of 10 key words for that		
	week, complete the look – say - cover – write – check method in your homework		
	book. Complete this process for each word/phrase 4 times each.		
Geog/Hist/RS/	Same process as outlined for English above. DT and ICT/Computing have 5 questions and not		
DT/Computing	10.		
Music/Art	For music and art, you will have two practical tasks to complete each term for each		
	subject. These will be found in the question booklets and will be checked by you classroom		
	teacher.		

At the back of this booklet, you will find: Sentence starters, a history chronology, DT sentence starters, a periodic table, maps of the world, subject websites, a RAG sheet and a timetable.

How to present your homework:



Date written fully on the righthand side of the page and underlined. This should be the day you complete the homework.

Home Learning Strategies to help you revise

Brain Dump



Write down everything you know about o certain topic on a page. Use your KO to add extra notes in a different colour.

Mind Map



Condense a topic showing the important links and connectors between key parts. Use your KO to add in extra notes.

Diagram



Draw a clear diagram for a subject including labels and key features. Make sure you use correct vocabulary and spellings.

Vocabulary



Learn the key words associated with a topic and commit the word and spelling to memory. Test yourself or ask someone else to test you.

Retrieval Quiz



Write key questions about a topic as well as the answers. Use the content of the KO to help you. Check to see if you can remember the answers without looking.

Compare



Complete a comparison table showing two different sides of a topic. Can you use it to create an argument for one viewpoint?

Ethnology - Mandala Art

Content: In this project you will develop an understanding of Ethnology within art. You will learn about Mandala art within Hindu and Buddhist culture

Knowledge-of artists who create Mandala art

Understand—What inspired artists to create their work and how to write about the work

Skills-drawing, pattern design, wax resist, collage and clay

Outcome— an A3 wax resist mandala with multimedia collage background

Mandala Art

The word Mandala means 'sacred circle'. This circle is said to represent wholeness, health, connection, unity, harmony and the cycle of life. Mandala's are sacred pieces of artwork which are used to evoke healing, spiritual development and meditation.







Prasun Balasubramaniam is a self-taught Mandala artist and illustrator from Salem, Tamil Nadu, India. She is known to create intricate, vibrant, and vivid artworks, and believes that Mandalas require intense focus and attention to the present moment, which induces mindfulness.



Keywords

Ethnology—the study of the characteristics of different peoples and the differences and relationships between them

Pattern—a repeated decorative design

Complementary Colours opposite each other on the colour wheel

Analysis

All artist research pages should be annotated

Artwork-

- Artist name
- Describe the work-what does it look like?
- Use the formal elements i.e. colour, line etc.
- What techniques/materials were used?
- What is your opinion of the work?
- How is it relevant to your own idea?

Sentence starters

I like/dislike the way the artist has used.. because
I think the colour scheme used is effective because...

I think the artist has been inspired by...because

Evaluation of Your Artwork-

- What inspired you to create the piece?
- What techniques did you use and why?
- What does it mean to you?
- How is it relevant to your idea?

Consider

Hindu & buddhist art, geometric pattern, mandala art

Assessment

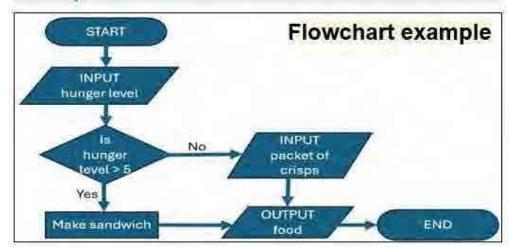
D Demonstrate a deepening knowledge, understanding and skill
O On Track—demonstrate some knowledge, understanding and skills
Y Yet to be on track—developing some knowledge, understanding and skills
A At an earlier stage—starting to develop some knowledge, understanding and skills

Term

Vector Graphics & Flowcharts

Flowchart symbols

Symbol	Name	Description
Own	Terminator	START of END
Parallelogram	Input / output	Something goes into or comes out of the system.
Rectungle	Process	Something is changed / something happens
Diamone No.	Decision	When a question needs to be answered



Computational thinking

Techniques for solving complex problems in computer science Algorithm

An algorithm is a set of step-by-step instructions to complete a task.

Abstraction

The process of removing unnecessary details to simplify a problem.

Decomposition

The process of breaking down a task into smaller sub tasks.

Vector graphics

Images created using lines and curves, so they can be infinitely scaled without loss of quality.

Advantages:

When you zoom in, vector graphics still have sharp edges and neatly defined lines.

Disadvantages:

Vector images can be more difficult to create. They cannot be used in every situation

Uses:

Best used for icons and logos. E.g.:





EIT MAP VECTOR VS.

Bitmap images

Made up of individual pixels

Images taken from a camera are "bitmap" images. They are stored as individual pixels, where the colour of each pixel is represented by 1s and 0s.

Uses:

Photos, magazines, newspaper images

Inkscape

An application for creating vector graphics Shapes:

Squares, lines, circles, polygons, stars

Tools:

Draw shape, select, add text, erase, fill, rotate



INKSCAPE

Drama Year 7 Term 5 & 6 Knowledge organiser

Characterisation

Every person is a unique individual. Your role may have similarities to you but may also be vastly different. The way a person feels, thinks and the experiences they have had affect the way they move and speak.

Think about the role you are playing in detail. Consider where the person is from, what sort of accent they have and how old and how confident they are. Ask yourself how this affects their pace, weight on the ground and posture. No two characters are ever completely alike. A skilled actor is versatile and able to change vocal and physical characteristics to communicate a role effectively.

Mime

Mime could mean:

- working in silence, or with few sounds or words, to show activities, eg painting a wall ar opening a door.
- working with dialogue but while mining any props or set, eg using the audience as a mirror to apply make-up while addressing another character anstage.
- Physical theatre, which often incorporates mime techniques and where actors can also mime items of set or props

Role play

This is the act of pretending to be somebody else, of taking an a rate. The rate may be from a script or a character you have created. Thinking, acting and even feeling differently to your ordinary self can help you empathise with that person and better understand an issue or theme.

This explarative strategy would be effective if you were using the work of Konstantin Stanislavski as your chosen style. He took the approach that the actor should inhabit the role that they're playing. The actor shouldn't only know what lines they need to say and the mativation for those lines, but should also know every detail of that character's life offstage as well as anstage.

You could use a rate on the wall diagram to help you. Divide an outline of a person in two from top to bottom. Write down what the character thinks and feels on one side and what other characters think and feel about your character on the other side. You can also include factual information about the rate you are playing around the outside of the figure. This will help you understand your shoracter better.

Still image

This is a frazen picture which communicates meaning it's sometimes called a freeze frame or tableau. It can provide insight into character relationships with a clear focus upon use of space, levels, ondy longuage and facial expression.

Still images can be used in a variety of ways. During a long speech they might be used to purcturite the words with clear imagery, making the dramp anatoge more interesting by adding a visual dimension to the work. They can also be used for marking the moment to explore a key markent in time

you could use still images to create a photo album as an insight into a character's past life and relationations. It would be possible to use them to break down a complicated plot into clear snapshots of its key moments in development. Still image is also a useful way to storyboard early devised work.

Still images can be **naturalistic**, a photograph of an important moment or **obstract**, more representational of feelings or an ment.

A picture points a thousand words. Condensing emotions, events or relationships into an image is an excellent way of ensuring these are communicated in a detailed and effective way.

Hot-seating

This is an exercise to deepen understanding of character. An actor sits in the hot-seat, and is questioned in rate, spontaneously asswering questions they may not have considered before.

Hat-seating helps on actor became more familiar with their rule. The questioners should also set as observers as feesiback can be very useful.

Ask questions that force the actual to consider the life of their character in depth and beyond the world of the play. You could ask them about home life, childhood, family relationships, hopes, fears, habbles and how they feel about other characters.

Make a note of any mannerisms that energe which can be incorporated into performance, such as twisting hands out of nervousness or speaking slowly with a serious tone of voice and fixed eye contact. If something works for the character you are playing, keep it.

Thought-tracking and hot-seating

A thought-trock is when a character steps out of a scene to address the audience about how they're feeling. Sharing thoughts in this way provides deeper insight into the character for an audience.

In rehearsal it's an effective way of exploring characters and scenes in greater depth. Stopping the action and sharing throughts enables the octor to fully understand how their character thinks or feels at any given moment. Sometimes the character might feel something different to the words they're speaking. This is called **subtext** and thought-tracking is a useful way of exploring it to realise the many layers within a scene.

Using mime and gesture on stage

Mime is the art of demonstrating an action with an object that doesn't exist. It's a very disciplined and precise act. The actor must pay real attention to detail for it to be effective. If you want the audience to 'believe' you're using an object, make sure that it doesn't just simply 'vanish' after you've finished with it. If you're miming drinking at a party and then need your hands for samething else, put the imaginary glass down first.

The set can also be mimed and again, the same principles apply. If a table is mimed the actors need to be fully aware of where that 'table' is anstage. They mustn't move through it or the illusion is broken. They should all be able to place things on it so we see that it is a consistent size and height.

Messy mime can look amateurish. If you do use mime in a piece of theatre, ensure that you practise making your movements: precise so that the audience can clearly see what it is you are doing.

Narrating

Marrating is adding a spaken conscienting for the audience about the action arrating. A narrator is like a staryteller informing the audience about the plat.

Naturation is useful in making a stary more understandable for the addience. It also makes the drama **stylised**. This means that it becames non-naturalistic occause the audience are aware throughout that a story is being told and the **fourth wall** is broken.

Nationally can make a drame more understandable or styllsed in a number of ways:

- no actor can speak the commentary over the action happening in the drama
- a character on may out loud what they think the radience needs to know about the characters or the situation of which they're a part, which is known as self-normating.
- as actor can just tell the audience what they need to know in between scenes.
- a character can read or write a diary or letter that informs the dudlence What is important for them to know about what is happening or gains to happen

This explorative strategy would be effective if you were using Brecht. Then the in education, Musical theatre or Artaud in your chosen style. Try it out in rehearsal to see if it works in your performance.

Cross-cutting

Crass-cutting is a device to move between two or more scenes staged in the space at the same time. It's important that the audience know which part of the action they should follow so one part of the action remains in still image while another scene is played out, directing the audience's focus. Using this technique you can move backwards and forwards between separate locations and time frames.

For example, a theatre company is creating a piece of work exploring Christmas. The production team want to show the differences between a rich and poor family on this day. Two separate scenes are developed and placed onstage. Instead of playing simultaneously the rich family scene plays first with children opening many presents. This freezes in a still image and the poor family come to life with their simple gifts providing a contrast. This scene ends in a still image and the group cross-cut to the rich family once again who are having a lavish Christmas dinner. They freeze and the poorer family's dinner is enacted.

Cross-cutting is an excellent way to explore the contrast between situations by making differences clear for the audience. It can also be used to give them additional information. It enables performers to move quickly between locations and scenes without interrupting the flow of the drama they're creating. Whilst it's a performance technique it can also be used within a workshop to place characters within different time frames for explanative purposes.

Year 7 D&T - Gumball Machine Project



We berter to me materials from repossible readingues - ones that are replaced committee as fact as we use them up. For anample, give from wall-managed plantations is quite a materiable sholor. (But if the finder has to lie transported a long way that If probably over up a lot of focul finals.) Natural Stress usual for textilies (s.g. cotton) are all renowable.

Hatching

Using encuched automaly means that leave new resources are needed, and often less energy is used. For example, recycling old fond cans takes much less energy than mining and processing new metal.





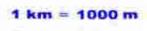
Blending

Crosshatching Stippling

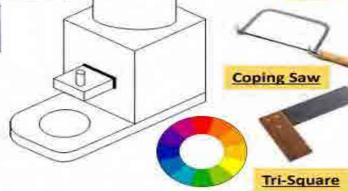


1 m = 100 cm

1 cm = 10 mm







Analyse the above Gumball Machines using ACCESS FM.

We use ACCESS FM to help us write a specification - a list of requ a design - and to help us analyse and describe an already existi



is for Aesthetics



is for Cost



is for Customer



is for Environment



is for Size



is for Safety



is for Function



is for Material



What does it look like? What is the shape/colours/style/theme?



How much does it cost to make? How much do I need to sell it for?



Who is the product made for? Why will it appeal to them?



Is this product environmentally friendly? How could it be better?



What are the dimensions of the product? Is this a suitable size? Why?



How has this product been made safe to use? Can the safety be improved?



What does the product do? Does it do it well?



What is this material made from? Is this a good material to use? Why?

grained and lacks figure. It resists shimking and

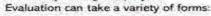
FINE Pine is a softwood which grows in most areas of the Northern Hemisphere. There are more than 100.

pals yellow wood which is light weight, straight

species worldwide. Properties. Pine is a soft, white or

Designers evaluate their finished products or prototypes in order to test whether they work well and if the design can be corrected or improved. Whatever you have designed it is important to evaluate your work constantly during the project.

Evaluation



- General discussion with other pupils, staff and others.
- Questionnaires / surveys carried out at any time during the project.
- · Your personal views, what you think of existing designs.
- Most important of all what do you think of your designs, prototypes and finished products?
- . Can you think of any other ways of evaluating your work?

Remember to always suggest improvements when evaluating!

Emergency

Target Market

Who is the customer? A target market is the set of customers sharing common needs, wants & expectations that a business tries design a product for.



- Always listen carefully to the teacher and follow instructions.
- Do not run in the workshop, you could 'bump' into another pupil and cause an accident.

Health and safety rules

- Know where the emergency stop buttons are positioned in the workshop.
- Always wear an apron as it will protect your clothes and hold loose clothing such as ties in place.
- When attempting practical work all stools should be put away.
- Bags need to be left in the cubicles and not under desks
- Do not use a machine if you have not been shown how to operate it safely by the teacher.





Tenon Saw





	Plot Summary - The Tempest by William Shakespeare			Con	ntext
2. Pro:	Prospero tells Miranda that he caused the storm. Ariel fetches Ferdinand, who falls in love with Miranda.		Famous storm	probably comes from repor	the catastrophic storm that opens the play rts of a real shipwreck which occurred in Bermuda ctly references Bermuda in Act I, scene ii, when him to make a storm.
6. Cali 7. Pro:			Collonialism/ period of discovery	Gonzalo's speech in Act II	by Michel de Montaigne's "Of the Cannibals". envisions how he would rule the island- by f a civilized society, and instead copying a
	Chara	acters	Shakespeare's final play		throwing down his staff has been interpreted as craft at the end of his career.
Prospero	was the duke of Milan. His brother, Antonio	da. Twelve years before the events of the play, Prospero , with Alonso, king of Naples, usurped him, forcing him to lest lord Gonzalo aided Prospero in his escape. He uses			
	magic to punish his enemies.		Vocabulary and Terminology		
Miranda	Airanda The daughter of Prospero, Miranda was brought to the island at an early age and has never seen any men other than her father and Caliban. Because she has been away from the world for so long, Miranda's ideas of other people tend to be childishly positive. She is compassionate, generous, and loyal to her father.		Colorest Property and Colorest	(a position of power or gally or by force.	Ambiguous - open to more than one interpretation; not having one obvious meaning.
Ariel	Prospero's spirit helper. Often called "he", his gender and physical form are ambiguous. Rescued by Prospero from a long imprisonment by the witch Sycorax, Ariel is Prospero's servant until Prospero decides to release him. He is mischievous and everywhere, able to travel the length of the island in an instant and to change shapes at will. He carries out virtually every task that Prospero needs accomplished in the play.		Colonialism - taking control over another country, occupying it with settlers, and exploiting it economically. Enchantment - the state of under a spell; magic.		Enchantment - the state of being under a spell; magic.
Caliban -	Another of Prospero's servants. Caliban, the son of the witch Sycorax, welcomed Prospero to the island. Caliban believes that the island rightfully belongs to him and has been stolen by Prospero. His speech and behaviour is sometimes coarse and brutal, as in his drunken scenes with Stephano and Trinculo.		its ordinary form, without metrical metrical rhythm, typically hav		Verse - writing arranged with a metrical rhythm, typically having a
	The	emes	structure.		rhyme.
Forgiveness + repentance - Antonio, his brother, wronged him by dethroning and banishing some twelve years ago. Antonio was supported by Alonso and Sebastian. These three characters get punished. The difficulty of distinguishing "Man" from "Monster" - The identity of Caliban remains ambiguous in this play. Sometime he is addressed as monster and in some places he is called man.		PROTESTED AND TOUR	humorous content in a o offset more serious	Betrayal - the action of betraying one's country, a group, or a person; treachery.	

Year 7 Food Knowledge Organiser

Nutrients

Nutrients are chemical found in food which our bodies need for daily functions.

Macronutrients are nutrients our bodies need in large amounts.







Fats

Functions: Insulation (keeps you warm), secondary source of energy, dissolves vitamins.

Food sources: oil, meat, fish, coconut oil, butter, margarine, avocados.

Excess (too much): weight gain, coronary heart disease, type 2 diabetes.

Deficiencies (too little): feel the cold, weight loss, vitamin deficiency.

Where does our food come from?

All food must be grown, reared or caught

In the past food was grown, prepared and cooked at home or sold by small-scale producers or merchants.

Some people still grow food at home or on allotments. Food can also be bought from a wide range of sources, including:

- cafes/coffee shops;
- · convenience stores:
- farmers markets;
- farm shops;
- markets;

- on-line retailers;
- restaurants;
- supermarkets;
- takeaway outlets.

Carbohydrates

Functions:

Main source of energy, stores energy for later, builds DNA.

Food sources:

Bread, rice, pasta, flour, bananas, sugar.

Excess (too much):

Weight gain, obesity, type 2 diabetes, tooth decay.

Deficiencies (too little):

Weight loss, lack of energy, severe weakness.

Proteins

Functions:

Growth, repair of cells and wounds, defends the body (antibodies), secondary source of energy.

Food sources:

Meat, chicken, eggs, dairy, beans, legumes, chickpeas, soya beans.

Excess (too much):

Kidney and liver diseases, weight gain.

Deficiencies (too little):

Slow growth rate, swelling.

Where should food be stored in the fridge?

Cheese, dairy and egg-based products

The temperature is usually coolest and most constant at the top of the fridge, allowing these foods to keep best here.

Cooked meats

Cooked meats should always be stored above raw meats to prevent contamination from raw meat.

Raw meats and fish

Raw meats and fish should be below cooked meats and sealed in containers to prevent contamination of salad and vegetables.

Salad and vegetables

These should be stored in the drawer(s) at the bottom of the fridge. The lidded drawers hold more moisture, preventing the leaves from drying out.

Storing foods the correct way will prevent food from being spoilt.

The Eatwell Guide

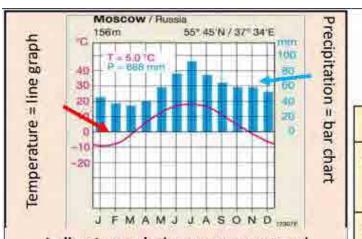


The Eatwell Guide

Makes up 5 main food groups. Is suitable for most people over 2 years of age.

Shows the proportions in which different groups of foods are needed in order to have a well-balanced and healthy diet.

Shows proportions representative of food eaten over a day or more.



A climate graph shows average annual precipitation (rainfall) and temperature throughout the year for a particular area.

Russia has a continental climate with two main seasons:

Long, dark, cold winters Brief, often warm, summers.

Year 7 Geography

Term 5

Why is Russia a vast wilderness?

	Biomes of Russia		
Steppe	An area of grassland, too dry for forests but with really fertile, good for farming soils called chernozems		
Taiga	An area of coniferous trees (evergreen) that covers 60% of Russia.		
Temperate An area containing deciduous trees, so oak and ask, can be found in the west			
Tundra	An area found in the north, where temperatures drop to -50°C in the winter. Trees cannot grow because the ground is frozen all year, this is called permafrost .		

Large, hard

break ice to

find water

hooves to

- Russia shares borders with many countries including: China, Ukraine, North Korea and Norway.
 - Russia is the largest country in the world, in terms of land area and covers 17 million km²

Physical landscapes of Russia

Russia's longest river is the Volga. at 3692km long (Europe's longest river).

Lake Baikal was formed by a rift valley. Caucasus It is the oldest and deepest lake in the Mountains where the world highest Ural Kamchatka peninsula peak is Mountains has 70 volcanoes and is Mount form a spine a wilderness of rivers Elbrus in westand hot springs. central Russia

Adaptations - how do plants and animals survive in the tundra?

Grow close to ground to protect them from the wind and cold

Darker leaves help absorb energy from sun



Shallow root system because soil is often frozen

Two
layers of
fur to
trap heat

Musk ox

Huddle together in winter to retain heat



Was ist dein Lieblingstach?

Englisch Informatik Geschichte Spanisch Französisch Deutsch

Theater

Kunst Sport Musik

Technologie Erdkunde

Religion

Mathe/Mathematik Naturwissenschaften

Beschreib deine

eine Jacke / einen Blazer

Schuluniform

einen Pullover

Ich trage...

Chemie Biologie Physik die Pause

Describ

I wear...

eine Krawatte/einen Schlips

einen Rock eine Hose

ein Hemd

ein T-Shirt

Socken Schuhe

eine Strumpfhose

Physics Breaktime

What is your

English

History

Spanish

French

Drama

Music

Technology

Geography

Art

PE

RS

Maths

Science

Biology

Chemistry

German

favourite subject?

Computer Science



uniform

Blazer Jumper Shirt T-shirt Tie Skirt Trousers Socks Shoes Tights

German Year 7.3 My Life at School

Was denkst du? What do you think? Esist It is Llike Ich mag Ich liebe Llove I don't like lch mag...nicht Ich hasse I hate Ich finde I find Interesting interessant praktisch Practical nützlich Useful Uncomfortable (un)bequem Fashionable/ugly modisch/hasslich altmodisch Old fashioned teuer/billig Expensive/cheap modern modern schmutzig/sauber Dirty/clean musikalisch Musical pünktlich Punctual kreativ creative richtig correct / right

Verben in der Schule	
studieren	
hören	

plaudern arbeiten verbringen spielen lesen

sich entspannen

Verbs in School

To study To hear To chat To work To spend (time) To play To read To relax



Lehrer nett angenehm langweilig froh/glücklich lustig streng stark schwach iung alt klein/groß laut klug intelligent ernst schüchtern fleißig faul

gemein/böse

Teachers Nice Pleasant Boring Happy Funny Strict Strong Weak Young Old Small/tall Loud Clever Intelligent Serious Shy Hardworking Lazy mean/nasty

Meinungen. Opinions Bad schlecht einfach Easy Great. toll Difficult schwierig Good gut furchtbar awful

Wie spät ist es? What is the time?

Es istUhr = ...o'clock Es ist Viertel nach vier = 4.15 Es ist Viertel vor drei = 2.45 Es ist halb acht = 7.30 Es ist zehn nach neun = 9.10

Es ist zwanzig vor elf = 10.40

Es ist fünf vor vier = 3.55



Free time - 7.4 German vocab list

When?
Normally
Usually
Every day
Twice a week
From time to time
Rarely
Often
Sometimes
never

Beschreibungen Descriptions aktiv active beliebt popular classical klassisch sportlich sporty gesund healthy kreativ creative schnell quick

Wie ist das Wetter	What is the weather
?	like?
Es ist schön	It is good weather
Es ist heiß	It is hot
Es ist kalt	It is cold
Es ist 25 Grad	It is 25 degrees
Es ist schlecht	It is bad weathe
Es regnet	It is raining
Es schneit	It is snowing
Es ist wolkig	There are clouds
Es gibt Stürme	There are storms
Es ist sonnig	It is sunny
Es ist windig	It is windy
Es ist neblig	It is foggy
Es donnert und blitzt	Thunder and lightenin

Welche Sportarten magst d Ich spiele gern Fußball Ich spiele Rugby Ich spiele nicht gern Tennis Ich spiele gern Golf Ich spiele Volleyball Ich spiele Basketball Ich spiele Tischtennis Ich fahre Rad Ich gehe Skifahren Ich gehe Eislaufen Ich schwimme Ich laufe Ich jogge Ich mache Gymnastik Ich gehe reiten Ich mache Leichtathletik

Was:	siehst du gern im
Ferns	ehen?
ich se	he gern
Die N	achrichten
Die K	omödie
Der Z	eighentrickfilm
Die D	okumentation
Die S	endung
Die S	eifenoper
Der K	omödienfilm
Der Li	ebesfilm
Der A	ktionfilm
Der H	orrorfilm
Der K	rimi
Die S	pielshow
Die S	erie

Ich mache Training

What sport do y like? I like playing football I play rugby I don't like playing tennis I like playing golf play volleyball play basketball I play table tennis I cycle I go skiing I go ice skating swim Irun liog I do gymnastics I go horse-riding I do athletics I do training

	What do you like to watch?
ŀ	Like to watch
1	The news
1	The comedy
ŀ	The cartoon
	The documentary
	The programme
	The soap opera
	The comedy film
	The romantic film
	The action film
	The horror film
	The detective film
	The game show
	The series

Was machst du gern? What do you like to do? Ich sehe fern I watch TV Ich höre Musik Listen to music Ich gehe ins Kino I go to the cinema Ich lese ein Buch I read a book Ich gehe einkaufen l go shopping Ich gehe zum Park go to the park Ich gehe ins Fitness-Studio go to the gym Ich gehe spazieren go for a walk Ich gehe wandern I go hiking Ich treffe meine Freunde meet friends Ich spiele Klavier I play the piano Ich besuche Familie I visit family Ich gehe in die Stadt go to town Ich koche cook Ich singe Ising Ich tanze dance swim Ich schwimme Ich tauche I dive Ich sammle... Lcollect ... Ich mache meine Hausaufgaben I do my homework Ich lade Musik herunter I download music Ich surfe im Internet I surf the Internet Ich spiele Computerspiele I play computer games Ich chatte mit meinen Freunden I chat online with my friends Ich mache Fotos I take photos I watch funny videos Ich sehe mir lustige Videos an Ich schicke SMS I send texts Ich kaufe online I buy online



Ich schreibe eine E-Mail

Ich benutze mein Handy

Ich treibe... (Sport)



I write an email

I use my mobile phone

I do.... (a type of sport)

Enquiry: What changed in the reformation?

Summary

1	The reformation	Attempts to reform the Catholic Church and the development of Protestant Churches in western
		Europe are known as the Reformation.

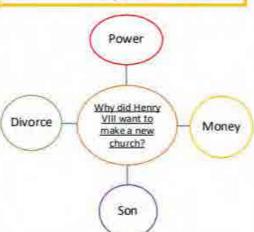
Key Events

2	1509 - Henry VIII becomes King of England
3	1517 - Martin Luther nailed 95 problems with the Catholic church to a church door sparking the Protestant Reformation.
4	25th January 1533 – Henry VIII secretly married Anne Boleyn.
5	23 May 1533 – Henry VIII marriage to Catherine of Aragon was annulled, they were divorced.
6	1536-1540 – The closure of English Monasteries by Henry VIII.

Key People

7	Martin Luther	A German monk that thought that the Catholic Church had too much power and was corrupt he set up the new Protestant church.
8	Pope Clement II	The head of the Catholic Church that refused to give Henry VIII a divorce.
9	Henry VIII	King of England from 1509-1547. Head of the Church of England.
10	Thomas Cromwell	Henry VIII put him in charge of getting rid of the monasteries.

History – Year 7 Knowledge Organiser Topic 5



PEE Paragraphs

To write a paragraph you explain your points in history we use PEE.

Point: Make your point to answer the question.

One reason Henry VIII made a new church was because he needed money. Evidence: Give facts that support your

point.

He didn't have any money because...

Explain: Give reasons why this evidence backs up your point.

By making a new church Henry VIII knew he would be able to gain money as...

Key Terms

11	heir	Next in line to the throne.
12	Roman Catholic	The Christian church of which the Pope, or bishop of Rome, is the supreme head.
13	Protestant	Someone who follows the principle of Christianity using beliefs developed from the Reformation.
14	Break with Rome	Henry VIII decided to do this when the Pope would not authorise his divorce from Catherine of Aragon. He decided to break away from the Catholic Church and become head of the Church of England.
15	Dissolution of the Monasteries	The monasteries that were run by the Catholic Church and were homes for Monks and Nuns were closed down. They also provided hospital care and charity to the local people.

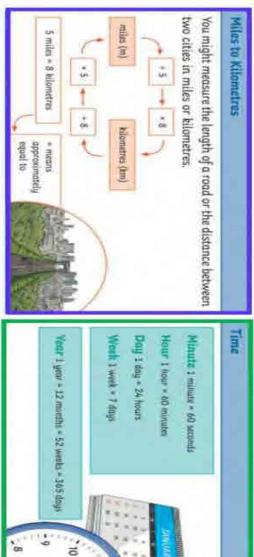
Six Wives of Henry VIII

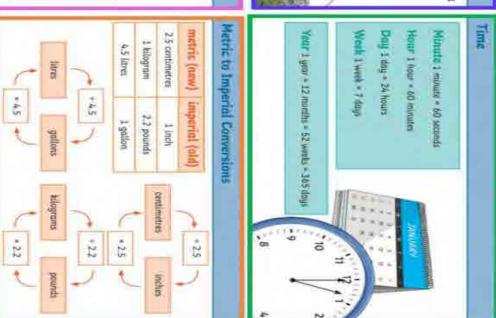


Maths

YEAR 7 TERM 5 MATHEMATICS







Things that could be measured using imperial units:

Someone's height in feet and inches

Imperial Measures

YEAR 7 TERM 5 MATHEMATICS

A person's mass in stones A carton of milk in pints

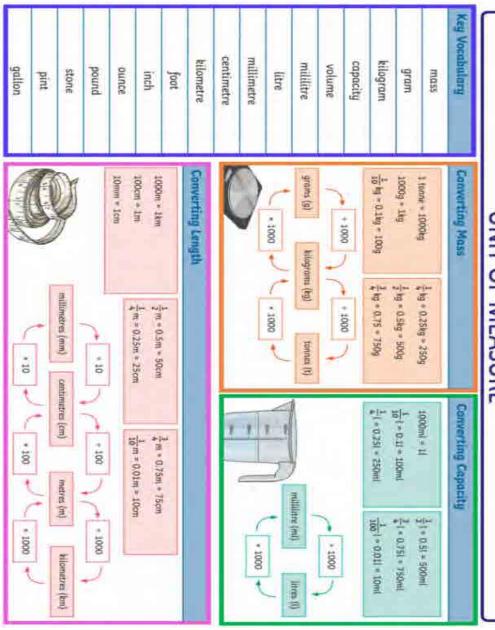
> 1 pound = 16 ounce 1 foot = 12 inches

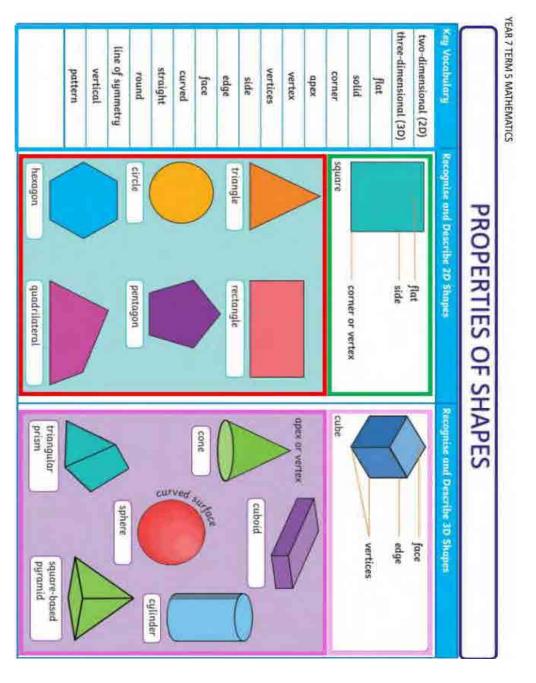
The mass of a sack of potatoes in pounds The mass of a bag of sugar in ounces

The amount of water in a bath in gations

1 gallion = 8 pints I stone = 14 pounds

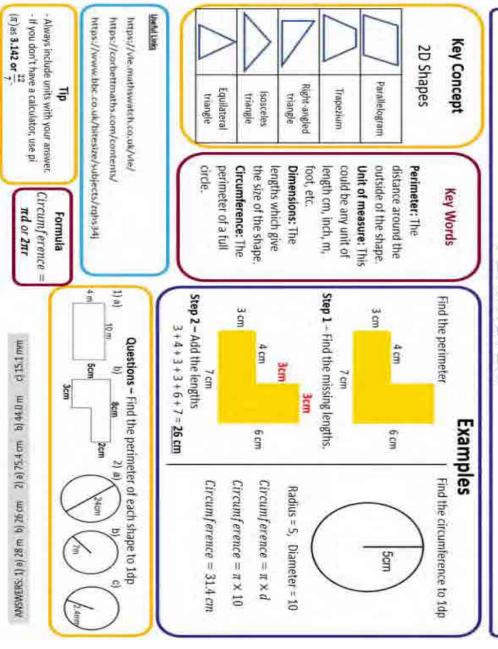
UNIT S MEASURE



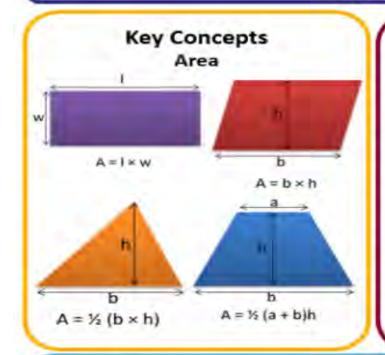


YEAR 7 TERM 5 MATHEMATICS

PERIMETER



AREA AND PERIMETER



Key Words

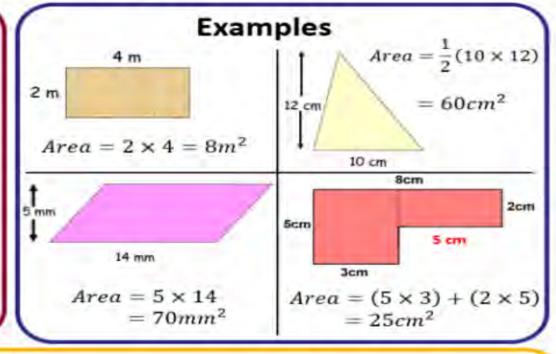
Area: The amount of square units that fit inside the shape.

Perimeter: The distance around the outside of the shape.

Dimensions: The lengths which give the size of the shape.

Shapes:

Rectangle, Triangle, Parallelogram, Trapezium, Kite.



Useful Links

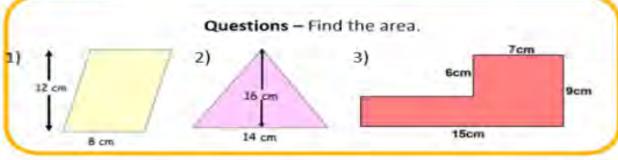
https://vle.mathswatch.co.uk/vle/

https://corbettmaths.com/contents/

https://www.bbc.co.uk/bitesize/subjects/zqhs34j

Tip

Always remember units. These units are squared for area. mm², cm², m², etc



*m> 78 | 5 cm² 2) 112 cm² 2) 87 cm²

Knowledge Organiser – PE Term 5: Anatomy & Physiology





	Benefits of exercise
Physical health and well-being	Improves fitness levels, heart function and efficiency of the body systems e.g. cardio-vascular system. Reduced risk of some illness e.g. diabetes, helps to prevent obesity, enables you to carry out everyday tasks without getting tired.
Mental health (emotional) and well-being	Reduces stress, release feel-good hormones in the body such as serotonin, increases confidence, helps us to control our emotions and increase resilience.
Social health and well-being	Provides opportunities to socialise/make friends, encourages cooperation and teamwork.



Muscle	Static Stretch
Triceps	
Hamstring	>
Pectorals	
Quadriceps	
Gluteals	
Biceps	
Deltoids	
Abdominals	3
Gastrocnemius	
Latissimus dorsi	



What do the Dharmic faiths believe?





Buddha It means 'the One who

knows'.

NEED TO KNOW WORDS

Teachings. The things that Dhamma

Buddha and Buddhism teach

about life:

Community. The community Sangha

of Buddhists across

the world. Made up of lay people and monks and nuns.

Enlightenment Waking up to what life is

really like. This is what happened to Siddhartha

Gautama.

Anicca The idea that everything

changes & decays. Nothing

remains the same.

Dukkha Suffering. Much of life is pain

& suffering. It is just how life

15.

No self or soul. Anatta

> If everything changes, then there is nothing permanent

in a human, like a soul.

Overview

Buddhism is one of the world's major religions. It is the world's 4th largest religion, with about 520 million followers

Buddhists are the people who follow Buddhism. They follow the teachings of a man named Siddhartha Gautama, who became known as the Buddha.

The religion began when Gautama, a prince who had lived a life of luxury, realised that there was suffering in the world, and committed himself to understanding why.

This happened in India around 2,500 years ago.

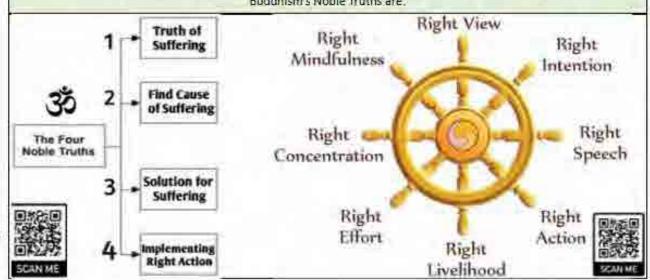
The holy book in Buddhism is called Tipitaka. Buddhist Temples are buildings designed for Buddhist worship.

Image of the Buddha. known in life as Siddhartha Gautama. whose teachings founded Buddhism.



Buddhist beliefs:

The Buddhist teachings are known as Dharma. They include the Four Noble Truths and the Eightfold-Path. Buddhism's Noble Truths are:



Top 10 Facts!

- Buddhists don't believe in a God who made the world and everything in it.
- 2. Siddhartha's family was Hindu.
- The lotus flower is an important symbol in Buddhism, It is a symbol of enlightenment.
- The name 'Buddha' means 'the enlightened one' or 'the one who knows.'
- Some Buddhists have shrines at home where they are able to worship.
- 6. The teachings of Siddhartha Gautama were not written down until about 400 years after his death.
- 7. Siddhartha Gautama died around age 80.
- 'Puja' is the name for worship in Buddhism. People often light candles as they worship.
- 9. In images of Buddha, faces are always made to look calm and serene, to show that he has a peaceful mind.
- 10. Wesak is an important festival in Buddhism.



hat do the Dharmic faiths believe?

1	NEED TO KNOW WORDS
Caste System	A class structure that is determined by birth
Guru	Teacher
Guru Granth Sahib	Holy book of sikhism
Guru Nanak	The founder of sikhism
Hukam	Meaning the will or command of god
Kirat Karni:	Meaning to work honestly, live honestly, and practice honestly
Naam Japna	Meditating on god's name
Sikhism	A religion based on belief in a single god and on the teachings of guru nanak
Three foundations of Sikhism	Duties which all sikhs must carry out
Vand Chakna	Means to share the fruits of one's labour with others
Waheguru	Used in sikhism to refer to god

Sikh nature of God.

Sikhs have many words to describe God. The name most widely used for God by Sikhs is Waheguru, which means 'wondrous enlightener', Sikhs believe that there is only one God, who created everything.

Sikhs believe that Waheguru is:

The creator - The act of creating everything was God's will (Hukam). Ineffable - Waheguru's essence cannot be adequately described in words.

Genderless - Waheguru is neither male nor female.

Eternal - Waheguru is outside time and space and beyond the cycle of birth and death.

Who was Guru Nanak?

Guru Nanak founded Sikhism. He was born to a Hindu family over 500 years ago in the Punjab (an area that is now in Pakistan, but at the time, it was part of India).

Throughout his life, Guru Nanak experienced key events that led him

- reject the caste system within Hinduism
- teach that everybody is equal through the belief in the oneness of humanity
- teach the three foundations of Sikhism.

Sikhism Knowledge **Organiser**



	THE HITCE IOUHUUHOHS OF SIMILISM					
Meditate on God	Sikhs must keep God in their mind at all times. As well as prayer and meditation, Sikhs will also practise chanting and singing of God's name – Waheguru.					
2						

The three foundations of Sikhism

Kirat Karni: Live honourably

Naam Japna:

All Sikhs must seek to live honestly and to have high moral values. This doesn't just mean avoiding crime. Sikhs also avoid gambling or working in immoral industries.

Vand Chakna: Share and give

Sikhs must commit to giving to charity and caring for others.

Guru Granth Sahib

The Guru Granth Sahib is a holy book of Sikhism. It's a collection of songs, poems, and prayers written by different Sikh gurus and other holy people. The book was edited by the fifth Sikh guru, Guru Arjan Dev. Skihs believe that the book is the eternal living guru of the Sikhs. The Guru Granth Sahib has writings in different languages, such as Punjabi, Sanskrit, and Persian. The book teaches that there is only one God, and it's important to live a good life by doing good things.



35 What do the Dharmic faiths believe? Hinduism Knowledge Organiser 3

NEED TO KNOW WORDS

Polytheist Belief in many gods

Belief in one god Monotheist

Deities Gods

Brahman Supreme god in Hinduism

duty - fulfilling these duties are Dharma

the first step towards breaking the

samsara cycle.

Reincarnation being 'reborn

The spiritual aim for Hindus is to Moksha

achieve freedom from the

samsara cycle

Mandir Community temple

The belief that actions have Karma

consequences

The cycle of birth and rebirth. Samsara

- 3 main aspects of Brahman Trimurti (Brahma / Vishnu / Shiva)

Hinduism overview:

Hinduism is over 4,000 years old, making it one of the world's oldest religions. It is made up of a variety of different religious beliefs and practices. It originated near the Indus River in India. The name 'Hindu' comes from the word Indus

Hindu nature of God.

Hindus believe in one God (Brahman) and they believe he comes in many forms. Hindus believe that there are three gods called the Trimurti who display the 3 aspects of the universal supreme God, Brahman.

Where do Hindus worship?

Hindus worship in a temple called a Mandir. Mandirs vary in size from small village shrines to large buildings, surrounded by walls.

People can also visit the Mandir at any time to pray and participate in the bhajans (religious songs).

Hindus also worship at home and often have a special room with a shrine to particular gods.

Hindu belief in The Trimurti: Brahman takes many forms. Especially three forms called the Trimurti:

Brahma	is the creator of the world and all creatures. He is usually shown with four heads.
Vishnu	is the preserver of the world. His role is to return to the earth in troubled times and restore the balance of good and evil. He has blue skin and four arms.
Shiva	is the destroyer of the universe. Shiva destroys the universe in order to re-create it. Shiva has blue skin, a third eye and carries a trident.

What are Hinduism's holy books?

Hinduism does not have a single holy book, but many ancient texts and scriptures.

The Vedas - a collection of hymns praising the Vedic gods. Veda means 'knowledge'.

The Ramayana - long epic poems about Rama and Sita.

The Mahabharata - which includes the Bhagavad Gita.

The Puranas - a collection of stories about the different incarnations and the lives of saints...



1. Safety



Irritant



- When handling acids and alkalis in the lab we need to take safety precautions, for example wearing goggles.
- Concentrated Acid is corrosive, and will destroy skin cells.
- Dilute acids have lots of water added, they are an irritant and cause redness or blistering of the skin.

4. pH Scale

- The pH scale measures the strength of acids and alkalis, it runs from 0-14
- neutral solutions are pH7 exactly
- acidic solutions have pH values less than 7
- alkaline solutions have pH values more than 7
- the closer to pH 0 you go, the more strongly acidic a solution is
- the closer to pH 14 you go, the more strongly alkaline a solution is

-					-		-	-	_				
		в	18	2	di.	2 2 1		4	+6)	10.00	12	#19	14
Domestic Co.	100-41-01	1033	ASMININ	\$400 COMP.	pandan	Terfin	aday0as	Dates Willy	Management	Nimonia	Septime.	No.	Per No.

2. Acids (pH 1-6)



- Acids are a family of chemicals, examples are lemon juice, vinegar and Coca Cola. There is also acid in our stomach.
- Acids contain Hydrogen (H+) ions...
- Strong acids like hydrochloric acid are very corrosive this means they destroy skin cells and cause burns.
- Weak acids likevinegar are safe to eat but are still irritant to sensitive parts of the body.

KS3 Science

Acids & Alkalis

5. pH Indicators

- Indicators are chemicals that show whether a substance is an acid or an alkali
- There are many different indicators, for example litmus paper and universal indicator
- There are also natural indicators such as red cabbage



3. Alkalis (pH 8-14)



- Alkalis, are a family of chemicals that have a soapy feel, they are also corrosive, examples of these are toothpaste, soap and oven cleaner.
- Alkalis contain Hydroxide (OH-) ions.
- Alkalis are bases that dissolve in water. Therefore not all bases are alkalis.

6. Neutralisation

- A chemical reaction happens if you mix together an acid and a base. The reaction is called neutralisation. A
 neutral solution is made if you add just the right amount of acid and base together.
- . Neutralisation reactions form salts the name of the salt depends on the name of the acid, and the metal in the base
- Hydrochloric acid makes "chlorides", Ni tric acid make "nitrates", Sulphuric acid makes "sulphates"

General equations for neutralisation reactions:

Acid + Metal Hydroxide → Salt + Water

Acid + Metal Oxide → Saft + Water

Acid + Metal Carbonate → Sait + Water + Carbon dioxide

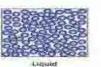
Farmers use lime (calcium oxide) to neutralise acid soils. Your stomach contains hydrochloric acid, too much of this causes indigestion. Antacid tablets contain bases to neutralise the extra acid.

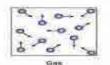
Wasp stings are alkaline, they can be neutralised using vinegar.

1. Particle Theory

All matter is made up of particles.







 Solids - arranged in a regular pattern and can only vibrate in a fixed position.

- Liquids arranged randomly but are still touching each other, can move.
- Gases, particles are far apart and are arranged randomly.

4. Conservation of Mass

The Law of Conservation of Mass states that mass cannot be created or destroyed.

Therefore, mass stays the same before and after a change of state. For example, 10g of ice melts into 10g of water and 10g of water evaporates into 10g of water vapour. The same applies to other substances.



6. Diffusion

Diffusion is the movement of particles from a higher concentration to a lower concentration.

Diffusion will stop when particles spread themselves evenly. Diffusion occurs in liquids and gases but not in solids, because particles in a solid are not free to move.



Diffusion

2. Physical Changes

In a physical change, the matter's physical appearance is changed, but no chemical bonds are broken or formed. For example, when water is heated from liquid water to gaseous steam, only the appearance of water is changed—both steam and liquid water have the chemical formula H₂O.





KS3 Science

Physical and Chemical Changes

7. Factors affecting Diffusion

There are 2 factors affecting the rate of diffusion:

- Temperature: When temperature increases, particles gain more energy. They can then move and spread out at a higher rate.
- Concentration: When concentration increases, the rate of diffusion increases because there is a steeper concentration gradient.



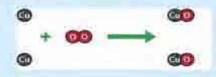
3. Chemical Changes

- Chemical reactions create new substances.
- Chemical reactions can also be used to transfer energy by burning fuels.
- In a chemical reaction the atoms rearrange themselves and then join back together in a different way.



5. Conservation of mass in chemical change

No atoms are created or destroyed in a chemical reaction. Instead, they just join together in a different way than they were before the reaction, and form products. This means that the total mass of the products in a chemical reaction will be the same as the total mass of the reactants.



8. Brownian Motion



Particles in fluids (liquids and gases) mover and omly. This is called Brownian motion. They do this because they are bombarded by the other moving particles in the fluid. Larger particles can be moved by light, fast-moving molecules.

Brownian motion is named after the **botanist Robert Brown**, who first observed this in 1827. He used a
microscope to look at pollen grains moving randomly
in water. At this point, he could not explain why this
occurred.

1. Magnetic Materials

Most materials are not magnetic, but some are. A magnetic material can be magnetised or will be attracted to a magnet. These metals are magnetic:

- · Iron
- Cobalt
- nickel

Steel is mostly iron, so steel is magnetic too.







4. Magnetic fields

A magnet creates a magnetic field around it. You cannot see a magnetic field, but you can observe its effects. A force is exerted on a magnetic material brought into a magnetic field. The force is a non-contact force because the magnet and the material do not have to touch each other.

6. The Earth's Magnetic Field

The Earth behaves as if it contains a giant magnet. It produces a magnetic field in which the field lines are most concentrated at the poles. This magnetic field can be detected using magnetic materials or magnets.



2. Permanent magnets

A bar magnet is a permanent magnet. This means that its magnetism is there all the time and cannot be turned on or off. A bar magnet has two magnetic poles:

- north pole (or north-seeking pole)
- · south pole (or south-seeking pole)

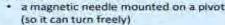


KS3 Science

Magnetism

7. Navigating with a compass

A compass comprises:







The north pole (north-seeking pole) of the compass needle points towards the Earth's north pole. If the needle points to the N on the dial, you know that the compass is pointing north. This lets you navigate outdoors using a map.

3. Attract or repel?

Magnets have two poles, a North pole (N) and a South pole (S).

- opposite poles attract (N and S)
- like poles repel (N and N, OR S and S)

How can you test if a piece of metal is actually a magnet? Seeing if it sticks to a magnet is not a good test, because unmagnetised iron, steel, cobalt and nickel objects will also do this. So you can only show that an object is a magnet if it repels a known magnet.

5. More Magnetic Fields

Although we cannot see magnetic fields, we can detect them using iron filings and plot them with a plotting

- field lines point from north to south pole
- field lines are more concentrated at the poles.
- The magnetic field is strongest at the poles, where the field lines are most concentrated.

8. Electromagnets - extra content

When an electric current flows in a wire, it creates a magnetic field around the wire. This effect can be used to make an electromagnet. A simple electromagnet comprises a length of wire turned into a coil and connected to a battery or power supply.





1. Electric current

An electric current is a flow of charge, and in a wire this will be a flow of electrons. We need two things for an electric current to flow:

- something to transfer energy to the electrons, such as a battery or power pack
- · a complete path for the electrons to flow

To do something useful with the electric current, you need to put an electrical component into the circuit (such as a lamp), that can use the current in a useful way



4. Potential difference

Potential difference is a measure of the difference in energy between two parts of a circuit. The bigger the difference in energy, the bigger the potential difference. Potential difference is measured in volts, the symbol is V. Potential difference is measured using a device called a voltmeter, unlike an ammeter, you must connect the voltmeter in parallel to measure the potential difference across a component in a circuit.



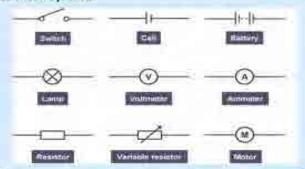
Components in parallel circuits are connected on different branches of the circuit.

If one component connected in parallel falls, the other components are not affected. Current is shared between the components in a parallel circuit.

Parallel circuits are useful if you want to switch components on and off independently, our homes are wired this way.



2. Circuit symbols

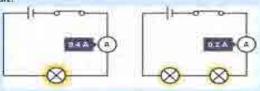


KS3 Science

Electricity and Circuits

7. Resistance

The wires and the other components in a circuit reduces the flow of charge through them. This is called resistance. The unit of resistance is the ohm, and it has the symbol Ω Resistance increases if you add more components to a circuit.

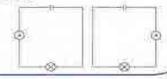


3. Current

Current is a measure of how much electric charge flows through a circuit. The more charge that flows, the bigger the current.

Current is measured in amperes (amps), the symbol is A.

To measure the current flowing through a component in a circuit, you must connect the ammeter in series with it. Current is not used up in a circuit



5. Series circuits

A series circuit contains components connected one after the other, like the episodes of a series on TV. In series circuits, if one component fails, all the components stop working.

Current is the same everywhere in a series circuit.

Current is shared between the Components in a series circuit. Series circuits use less wire than parallel circuits.



8. Calculating resistance

The equation for calculating resistance is: Resistance = current x potential difference

If you plot a graph of current against potential difference for a wire, you get a straight line.



7.4 Spanish Free Time Knowledge Organiser

Sports and other hobbies with opinions + inf. including. jugar and hacer Weather.



Llevar, vivir & comer are a regular verbs which follow the pattern below. The verbs "jugar" and "hacer" are irregular but important verbs, especially for this topic on sports.

Pronouns	Estudiar – to study	vivir- to live	comer- to eat
Yo (I)	Estudi <mark>o</mark> – I study	Vivo- I live	Como – I eat
tú (you)	Estudi <mark>as</mark> – you study	Vives – you live	Com <mark>es</mark> – you eat
el (he), ella (she),	Estudia - He/she studies	Vive - He/she lives	Come – he/she eats
nosotros (we)	Estudi <mark>amos</mark> – we study	Vivimos – we live	Comemos – we eat
vosotros (you) (pl. or formal)	Estudi <mark>áis</mark> – you study (pl. or formal)	Vivis – you live (pl. or formal)	Coméis – you eat (pl. or formal)
Ellos/ellas (they)	Estudian – they study	Viven – they live	Comen – they eat

How to improve your writing?

When writing in Spanish, you can make your sentences better by adding the following:

- Range of opinions and reasons
 Rather than just using 'yo', write verbs using other pronouns
- Connectives to extend your sentences
- · Qualifiers e.g. muy, bastante
- Comparisons

Hacer- to do

Yo hago - I do
Tu haces - you do
Él/ella hace - he/she does
Nosotros hacemos -we do
Vosotros hacéis - you (pl) do
Ellos hacen - they do

Jugar- to play

Yo juego- I play
Tu juegas – you play
Él/ella juega – he/she plays
Nosotros jugamos –we play
Vosotros jugáis – you (pl) play
Ellos/ellas juegan – they play

Now you should be able to create some of your own questions using the question words below. Don't forget the upside down question mark at the beginning of a question.

¿Cuándo? – When? ¿Quién? – Who? ¿Dónde? – Where? ¿Cuántos? – How many? ¿Qué? What? ¿Cómo? – How? ¿Por qué? – Why?



7.4 Free time SPANISH





¿ Qué deporte te gusta?	What sport do you like?
Jugar al fútbol	To play football
Jugar al rugby	To play rugby
Jugar al tenis	To play tennis
Jugar al golf	To play golf
Jugar al voleibol	To play volleyball
Jugar al baloncesto	To play basketball
Hacer ciclismo	To do some cycling
Hacer esquí	To do some skiing
Hacer patinaje	To do some ice skating
Hacer natación	To do some swimming
Hacer gimnasia	To do some gymnastics
Hacer equitación	To do some horse-riding
Hacer atletismo	To do some athletics

¿ Qué te gusta ver?	What do you like to watch?
Me gusta ver	I like to watch
Las noticias	The news
Comedias	Comedies
 Dibujos animados 	Cartoons
Documentales	Documentaries
Programas	Programmes
Telenovelas	Soap operas
Películas románticas	Romantic films
Películas de acción	Action films
Películas de terror	Horror films
Películas policiacas	Detective films
Concursos	Game shows
Series	Series

(Cuando?	Witen?
Normalmente	Normally
Generalmente	Generally
Todos los dias	Every day
Dos veces a la	Twice a week
semana	
De vez en cuando	From time to time
Rara vez	Rarely
Cuando puedo	When I can
Jamás/nunca	Never
A veces	Sometimes

	¿Que tiempo hace?	What is the weather like?
-01	Hace buen tiempo	It is good weather
-	Hace calor	It is hot
*	Hace sol	It is sunny
17	Hace frio	It is cold
F	Hace 25 grados	It is 25 degrees
-	Hace mal tiempo	It is bad weather
TO V	Llueve	It is raining
	Nieva	It is snowing
183	Hay viento	It is windy
63	Hay nubes	There are clouds
0	Hay tormenta	There are storms
	NAME OF TAXABLE PARTY.	

The Six R's











REPAIR



REDUCE

shown how to





REUSE RECYCLE

Natural Fibres- These come from plants or animals. Examples include Wool, Cotton.

Synthetic Fibres-

These come from chemical substances. Examples include Polyester, Lycra

Year 7 Textiles Knowledge Organiser



Textiles Hierarchy of Key words

Plain seam analyse sustainable embellishment

Woven/bonded/knitted

Tier 3 'Academic' keywords.

Free machine function develop

Health & Safety rules

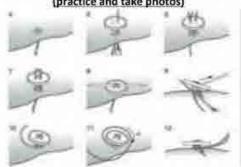
16	bags must be kept in the cubes
2.	Do not run
3.	Hair must be tied back
4.	Only one person to use a sewing machine at a time
5.	Chairs must be tucked in and sat on correctly
6.	Always listen to the teacher and follow instructions

Door most he best in the suker

Pictorial Instructions- how to sew on a button (practice and take photos)

Use all equipment respectfully and as you have been

No food or drink in the textiles room





Valuabl most le	Complementary colours contrast environment fastening
Tier 2 Valuable keywords used in most lessons every lesson.	compare embroidery equipment iron
used in lesson.	context appliqué effect improve
Basic in alm	colour design shape machine
Tier 1 Basic keywords used in almost every lesson	pattern line Texture tone
used	thread Fabric sew

Use these in your writing and speaking

Use connectives to link each paragraph!	Explain an idea: Although Except Unless However Therefore	Sequencing: Firstly Secondly Next Finally Since			
Adding to: Furthermore Also As well as Moreover	Cause and effect: Thus So Therefore Consequently	Contrasting: Whereas Instead of Alternatively Otherwise			
To empathise: Above all Ultimately Especially Significantly	To compare: Likewise Equally In the same way Similarly	Then again Give examples: Such as For example In the case of As revealed by For instance			





I believe that... I think that...

The main idea is...

EXPLAIN



This means that...

Therefore...

This maybe because...

JUSTIFY



This is positive because... This is negative because...

It is useful/not useful because...

ANALYSE



One strength is... One weakness is...

One argument is...

EVALUATE



One advantage is... One disadvantage is...

The best option is...

COMPARE AND CONTRAST



One similarity is...

One difference is... On the other hand...

Most people would agree...

Only a fool would think...

We all know...

A sensible idea would be...

The fact is that...

Surely you would agree that...

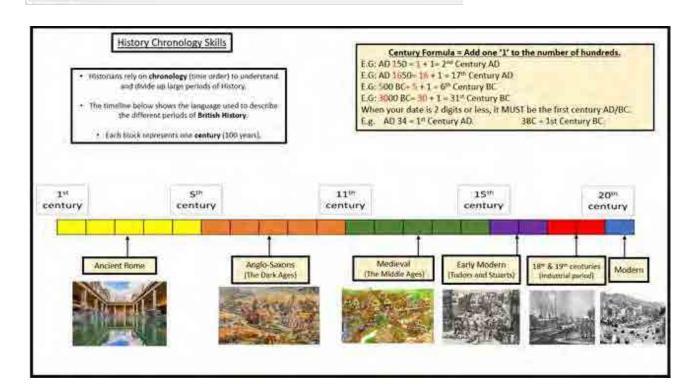
Without a doubt...

I am certain that...

Some people might argue...

However...

Also...



Sentence starter phrases

Use these in your writing and speaking in DT

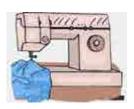


Design and Technology Keywords

Food and Nutrition	Design and Technology	Textiles			
Caramelisation	Carbon footprint	Plain seam			
Aeration Amino acids	Planned Obsolescence	analyse sustainable			
Plasticity Shortening	Iterative Design Tolerance	embellishment			
Denaturation Coagulation	Technology Push Anthropometrics	Woven/ bonded/ knitted			
Gelatinisation	Consumer Social Footprint	Free machine function			
Emulsification Pasteurisation	Ergonomics Forming Processes	embroidery develop			
Unsaturated Protein Radiation Saturated	Aesthetics Target Market	Complementary colours contrast environment			
Carbohydrates	Properties Deciduous	fastening			
Conduction	Coniferous	compare embroidery			
Digest	Automation Functionality	equipment			
Convection Cross-contamination	Primary Source Sustainability	context appliqué			
Micro-organisms	Continuous Improvement	effect improve			
Flavour Claw grip	Cost Customer	colour design shape			
Texture Aroma	Materials Annotation	machine			
Nutrients Energy	Product Safety	pattern line Texture			
Appearance Bridge hold	Design Environment	theme tone			
Mix	User Prototype	thread sew			







Sentence Starters - DT

I have designed...because

My project was about...

I found... during my research

My design is suitable for...

I have learnt how to...

The most enjoyable part of my project was....

The area I found the most challenging was...

Equipment I have used include...

I would improve my work by...

I am pleased with my finished product because...

Sentence Starters- Food and Nutrition

In order to work hygienically/safely I made sure I

I worked safely when in the kitchen by...

If I could improve any skill, I would improve...because...

Overall, I am happy/unhappy with my progress/dish because....

The texture of my dish is... this is because...

Sentence starters- Textiles

I have designed....

The context of my design is...

My research is useful because...

By researching, I am able to.....

By researching I have found out....

I researched into....

My design is suitable for.....

My design is based upon...

I have planned to..

The order I will work in is...

The most enjoyable part of m project was...

The area I found most challenging was...

I am most pleased with...

I am pleased with my finished project

because...

Equipment I used was...



The periodic table of the elements

1	2			Key			H Hydrogen					3	4	.5	6	7	4 He
7 Li mum 3	9 Be teryllum 4		ato	ve atomic omic sym	bol							11 B toron 5	12 C anton	14 N ntrogen 7	16 0 0 0 0 0 0 8	19 F	20 Ne neon 10
23 Na modum 11	24 Mg magnestum 12											27 Al minimum 13	28 Si #20 14	31 P phosphoros 15	32 \$ **** 16	35.5 CI chierem 17	40 Ar ***********************************
39 K pozmetum 19	40 Ca caldium 20	45 Sc scandum 21	48 Ti 99mim 22	51 V stredum 23	52 Cr cr cromum 24	55 Mn 25	56 Fe	59 Co	59 Ni nicial 28	63.5 Cu 29	65 Zn arc 30	70 Ga onlian 31	73 Ge germanium 32	75 As meric 33	79 Se selstan 34	80 Br browne 35	84 Kr krypton 36
85 Rb	88 Sr stordam 38	89 Y yanum 39	91 Zr zronium 40	93 Nb nichum 41	96 Mo rodybarum 42	[98] Tc technetism 43	101 Ru ozoram 44	103 Rh modum 45	106 Pd paladum 46	108 Ag 47	112 Cd connum 48	115 In In Indum 49	119 Sn 50	122 Sb artimory 51	128 Te telurum 52	127 1 lodne 53	131 Xe 2010 54
133 Cs 55	137 Ba benum 56	139 La* letharum 57	178 Hf Instrum 72	181 Ta sensium 73	184 W targaten 74	186 Re mesum 75	190 Os 50076	192 Ir Indum 77	195 Pt putnum 78	197 Au gai 79	201 Hg 1180 80	204 TI haller 81	207 Pb	209 Bi 83	[209] Po potentian 84	[210] At 85	[222] Rn ***********************************

The relative atomic masses of copper and chlorine have not been rounded to the nearest whole number.

^{*} The elements with atomic numbers from 58 to 71 are omitted from this part of the periodic table.







Subject websites

These websites will help you with homework, reading around the subject and revision

English

https://www.sparknotes.com/ - Macbeth, A Christmas Carol, An Inspector Calls
https://app.senecalearning.com/ - Macbeth, A Christmas Carol, An Inspector Calls,
Power and Conflict Poetry

https://www.bbc.com/bitesize - Macbeth, A Christmas Carol, An Inspector Calls

Maths

https://corbettmaths.com/

https://vle.mathswatch.co.uk/vle/

https://www.mathspad.co.uk/

Science:

https://www.bbc.com/bitesize

https://www.senecalearning.com/

https://www.memrise.com/

Geography

Time for Geography - videos (mainly focused on physical processes)

Bitesize

Cool Geography

History

Seneca Learning

BBC bitesize - use Edexcel resources for GCSE.

Art Websites

https://www.tate.org.uk/

https://www.bbc.co.uk/bitesize/subjects/z6f3cdm

https://www.incredibleart.org/

Computer Science and IT.

www.mrahmedcomputing.co.uk

Drama

https://youtu.be/VeTpob9LBM8

https://youtu.be/wISEU13mRBE

https://www.bbc.co.uk/bitesize/guides/zsf8wmn/revision/1

DT:

http://www.mr-dt.com/

http://technologystudent.com/

https://www.senecalearning.com/

PE

https://www.bbc.com/bitesize/examspecs/ztrcg82

https://sites.google.com/view/ocrgcseperevision/home

<u>RS</u>

KS3 https://www.bbc.co.uk/bitesize/subjects/zh3rkqt

<u>Timetable</u>

	Monday	Tuesday	Wednesday	Thursday	Friday
Tutor time					
Lesson 1					
Lesson 2					
Break					
Lesson 3					
Lesson 4					
Lunch					
Lesson 5					
Lesson 6					