

Monday 24 th February	Week A
Monday 3 rd March	Week B
Monday 10 th March	Week A
Monday 17 th March	Week B
Monday 24 th March	Week A
Monday 31st March	Week B

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 8 – Term 4

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

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

Contents

How to...Pg 2-3

Art.....Pg 4

Computing.....Pg 5

Drama.....Pg 6-7

DT.....Pg 8

English.....Pg 9-10

Food.....Pg 11

French.....Pg xxx

Geography.....Pg 12

German.....Pg 13

History.....Pg 14

Maths.....Pg 15-16

Music.....Pg 17

PE.....Pg 18

RS.....Pg 19-20

Science.....Pg 21-24

Spanish.....Pg 25-26

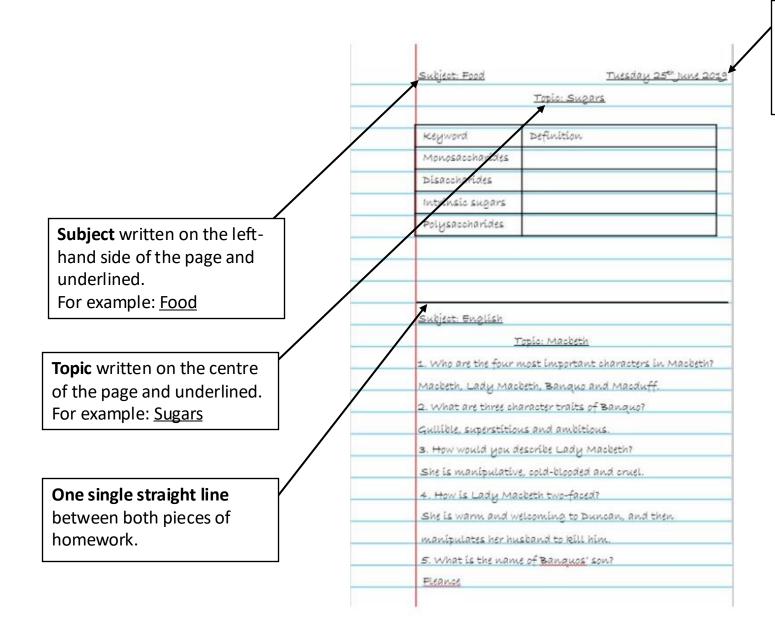
Textiles.....Pg 27

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 1 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/ DT/Computing	Same process as outlined for English above. DT and ICT/Computing have 5 questions and not 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?

Year 8 Our Environment









← Tints →

Keywords:

Climate Change

Graffiti

Extinction

Environment

Habitat

Street Art

Content: In this project you will develop knowledge of environmental issues.

Understand-what inspired artists to create their work and how to critically analyse their work.

Develop skills- in observational drawing, colour theory, painting and visual communication.

Outcomes- Art works inspired by environmental issues and the Artists you have studied.

Andy Warhol's "Endangered Species" series includes 10 silkscreen prints. The animals where listed on the endangered at the time they were made in 1983. Andy Warhol made these prints to raise awareness about the endangered species. Andy Warhol is a famous artist from the Pop Art movement. He used images found in popular culture and used an industrial printing method to make his work.



A R T Neve

S

NeverCrew are a Swiss based street artist duo; Christian Rebecchi and Pablo Togni. The mural above 'Exhausting Machine' was created for the Vancouver Mural Festival in 2016. Nevercrew's art work explores the issues of climate change and pollution and the effect it is having on nature. You can find more information about their work at their website.

https://nevercrew.com/about

In colour theory, a **tint** is a mixture of a colour with white, which reduces darkness, while a **shade** is a mixture with black, which increases darkness.









Complementary colours are pairs of colours that contrast with each other more than any other colour, and when placed side-by-side make each other look brighter.

Term 4 – Flowcharts and algorithms

Computational thinking

Algorithm

Step by step list of instructions to complete a task

Process of removing unnecessary details

Decomposition

Process of breaking down tasks into smaller sub tasks

Pseudocode

Representing algorithms using a common language

- Get name
- 2. IF name == "Mr Ahmed":
- Display "You are cool"
- 4. ELSE:
- Display "You are ok"
- ENDIF

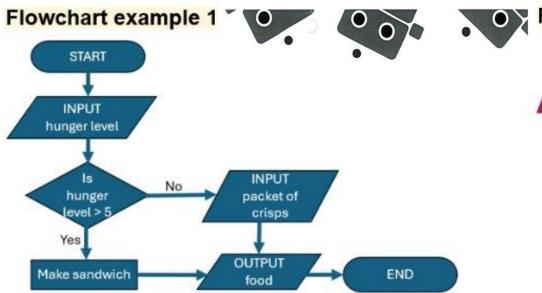
Rules for flowcharts

- Every path must have an END
- Everything must have an arrow going into it AND coming out (except START and END)
- Only decision shapes can have more than one arrow coming out
- Paths can join back up to other paths

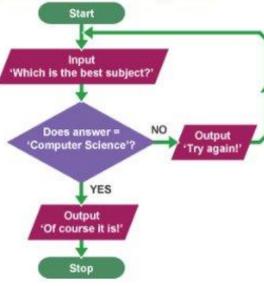
Flowchart symbols

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

Recap: Primary storage Main memory - accessed directly by the CPU RAM Volatile memory used to store data currently in use. ROM Stores the instructions to boot/load a computer. Secondary storage Stores data long term/permanently E.g. Hard drive or USB stick. Cache RAM Storage



Flowchart example 2



Pg 6

Key themes

The most obvious theme in Romeo and Juliet is that of love, but the play deals with many other important ideas too. Shakespeare invites us to examine the importance of fate, death, honour, friendship and duality. All of these themes are still relevant today, which is why the play is still popular after all these years.

The main themes in Romeo and Juliet are:

- love
- fote
- duality (or opposites)

Romeo and Juliet - Plot summary

Aomeo and Juliet is a play written by Shakespeare, it is a tragic lave story where the twa mein characters, Remeo and Juliet, are supposed to be swarn enemies but fall in love. Due to their flomilies' ongoing conflict, they cannot be together, so they kill themselves because they cannot cope with being separated from one another. Romeo and Juliet is a Shakespearean tragedy.



- Two wealthy families, the Montagues and the Capulets, have another brawl in the city of Verona. The Prince and the townspeople cannot cope with the constant fighting so the Prince declares that the next person to break the peace will be killed.
- Romeo Montague and his friends gatecrash a Capulet party and Romeo meets Juliet Capulet. He falls in love with her instantly. They are shocked to discover they are sworn enemies due to their feuding families. Friar Laurence marries Romeo and Juliet.
- Romeo goes to celebrate his marriage with his friends, Mercutio and Benvolio, but gets into a flight with Juliet's cousin, Tybalt. Tybalt kills Mercutio and Romeo avenges his death by killing Tybalt.
- The Prince banishes Romeo because he killed Tybalt. Both Romeo and Juliet are heartbroken.
- Capulet, Juliet's father, decides she should marry Paris. Juliet refuses and goes to Friar Laurence where they came up with a plan for Romeo and Juliet to be together.
- Juliet fakes her death and lies in a tomb waiting for Romeo to come so they can run away together. Romeo doesn't receive the message about the plan, so thinks Juliet has actually died. He goes to Verana and sees Juliet in her tomb, 'dead'.
- Romeo drinks poison so he can be with Juliet in death. She wakes up to discover Romeo is dead. Juliet kills herself with his dagger.
- The Capulet and Montague families vow never to argue again.

The very first word of this play is "two", and throughout the play we are presented again and again with pairs of people and concepts. In terms of people we have Capulets and Montagues, Romeo and Juliet, Tybalt and Benvolio. As you can see, sometimes the pairs are complementary and work together. Other times they are opposites. We also see duality in the main ideas the play deals with. For example, love and hate, war and peace, home and exile. Perhaps Shakespeare was trying to show us that everything is part of a whole.

The main theme of lave is introduced at the very beginning by the Chorus who tells the audience that this is a play about "starcrossed lovers". When we first meet Romeo he is love-sick for Rosaline and talks to Benvolio about how painful love can be.

During the Capulet's party, we are presented with 'love at first sight' when Romeo and Juliet fall instantly for each other. The romantic love between the couple develops throughout the play and for them love ultimately leads to death.

We also see the strength of love between friends when Mercutio stands up to take Romeo's place in a fight with Tybalt.

Parental love is also explored when Capulet suggests that his daughter is too young to marry Paris. He is protective of Juliet. Later when Tybalt dies, Capulet brings the wedding between her and Paris forward, as he thinks this celebration will ease her grief.



The prologue introduces the theme of fate when the lovers are called "star-crossed" and "death-marked". This means that the events of their lives, and their deaths, are somehow already decided.

There are lots of incidences throughout the play when the main characters refer to omens that hint at their tragic ending. For example, before the Capulet party, Romeo feels worried that something bad is "hanging in the stars". Later when Juliet looks at Romeo from the balcony she is upset that she sees him "as one dead in the bottom of a temb".

We know from the start of the play that the lovers will die, and the events all lead to this tragic end.



Imagery in Romeo and Awiet is vivid and aften poetic. It adds to the feelings that the characters express and often makes the language of the play beautiful and romantic. For example, when Romeo spots Juliet on her balcony, instead of saying "Oh, she looks nice!" he says "It is the east, and Juliet is the sun." This image of Juliet as the sun shows us how bright she appears to him. The sun is necessary for life, so perhaps Romeo is suggesting that Juliet is essential for his life.

Year 8 D&T - Night Light Project

is for Aesthetics

is for Cost

is for Customer

Analyse the **Dinosaur Night** Light by using ACCESS FM



You can use ACCESS FM to analyse existing products, write a specification, annotate designs and to evaluate the final outcome!

is for Environment

is for Size

is for Safety

is for Function

is for Material

Remember to consider the sustainability of your design - try using the 6 R's!

File

Step 5 Recycle

Step 3 Sten at Reduce

Step 1:

Burthank

Step 2:

Step 6:

Reptace

Refuse

polymethy methacrylate MMA) is available in a variety of colours. It is a hard.

CAD = Computer Aided Design CAM = Computer Aided Manufacture

Electrical Systems Involve Circuits

1) All electrical systems need to have a complete circuit to make them work. Here's a simple circuit:

The amount work complete yet - them's argain at the switch. When you proce the switch Amery you make a complete circuit. An electric III carrent flows and the large cores on

Nousan Print Balances of electrical circuits using pyretotic terrepresent the composition.

2) The materials you use in a circuit have to be conductors — they need to let electricity flow through E.g. scopper is used for the wire that joins the components because it's a good conductor and is duritle.

3) insulators (e.g. PVC) don't let electricity through, so they're used to cost the outside of wires.

4) Vultage from a power cell (a beffery) or the mains pushes the electric current around a circuit.

Manu power is used for non-portable products the freque and selectors.

But large are used in portable weakerts. There are disposed but turing and outparpublic over-

Each qualific but torses are more paperpag than disposable but torses, but can be cheaper in the lengnum an you should result to keep replacing them. They've built an to every production a a more phones.

5) Resistors are used to reclude the current in a circuit so you don't damage delicate components (e.g. the lamp in the circuit above). Resistance is My steppostow the measured in olivia (O). A larger resistance means long to

Acrylic Night Light Circuit Diagram

rigid material that weathers well





New York



Practice your tonal drawing skill here

Use modelling to improve your design

Modelling is a good way to solve problems with your design. You can make models using card as it's cheap and easy to work with.

When modelling, try out different aspects of your design. For example, you could model just one part of the product separately, to check it works, before going on to the rest.

Develop Ideas with Sketches

'Freehand' means drawing without using any reprintent (except a pencil or pen).

Line Bender

- 2) You can combine 20 and 30 sketches to explain details.
- 3) And you can unnotate your sketches (odd notes) to explain detalls further, e.g. describing the met and processes you'd use.



Pillar Drill

Practice your isometric drawing here

Test and evaluate each model

After you've made each model, do some tests to check that it's how it should be. Get some potential customers to try it out and give you feedback

- You'll probably find there are some things that don't work out quite 1. how you'd hoped. Write down what he problem is, suggest how to fix it and try out another model.
- Record how the design develops take photos of your models.
- You should evaluate each model, against the design by considering the strengths and weaknesses.

Isometric Drawing Shows Objects at 30°

- 1) formetric drawing can be used to show a 3D picture of an object,
- 2) If doesn't show perspective (things don't get smaller in the distance). but It's easy to get dimensions right.
- 3) There are three main rules when drawing in isometric:
 - Vertical edition presentation as vertical lines Horizontal robon are at serr at 30°.
 - Parollel sulpre-appear are parallel lines.

This allowing is below allowed and Secretics: ACL DARKET You could use plain paper and a 307/207 set aques moteur









STEP 4

Year 8 | Term 3 Knowledge Organiser | Gothic Literature

Character who opposes the main character. Sometimes known as a villain. Unreliable Narrator Who we cannot trust. They might be crazy or mad.	
3. Pathetic When the weather is used to reflect the mood. EG rain = sadness, fog = mystery, sun = joy/happiness	:
4. When an inanimate object is given a human quality. EG The wind howled the door screamed as it opened.	
5. The general mood or feeling of a place. Gothic tends to create eerie or mysterious atmospheres.	
6. Clues that are given to suggest something that will happen later on ng	
7. Outsiders Characters that are excluded from society EG Frankenstein's creature is treated differently because he is manmade.	5
8. Tension Feeling on edge about events that are about to happen	
9. Climax The peak of action and intensity	
10. Contrasts between two ideas. juxtaposition	

11. Gothic	A literary genre that creates a sense of fear an haunting.
12. Supernatur al	Things that are beyond the real world. Eg ghosts, vampires, demons, werewolves.
13. Ominous	The worrying impression that something bad will happen
14. Foreboding	Fearful apprehension
15. Submissive	A character being weaker than others.
16. Isolation	Being alone.
17. Dominance	A character being stronger or more powerful than others.
18. Tyrannical	Leaders that are mad with power and control

Notable Gothic texts (in chronological order)

The Castle of Otranto – Horace Walpole, 1765

Vathek – William Beckford, 1786

Frankenstein – Mary Shelley, 1818

The Hunchback of Notre Dame – Victor Hugo, 1831

The Raven – Edgar Allen Poe, 1845

Wuthering Heights – Emily Bronte, 1847

The Strange Case of Dr Jekyll and Mr Hyde – R.L.

Stevenson, 1887

The Picture of Dorian Gray, Oscar Wilde, 1890

Dracula – Bram Stoker, 1897

Rebecca – Du Maurier, 1931

The Woman in Black – Susan Hill, 1983

The Twilight Series – Stephanie Meyer, 2006



How to create the Gothic mood Features of buildings:

towers, trapdoors, gargoyles, mysterious corridors, tunnels, vaults, strange portraits **Weather:** howling wind, thunder and lightning and torrential rain.

Eerie sounds: creaking doors, approaching footsteps, clanking chains, slamming doors, distant howling, strange laughter, toiling bells. **Dark or dim spaces:** lights going on and off, flickering candles, dimmed lamps.

Supernatural: curses, hidden books and secret manuscripts, Extreme emotions (isolation and nightmares), Science used for evil purposes, Family curses and secrets

Gothic Adjectives for places:

Ancient Antique Creepy Desolated Distant Dusty Elaborate Eerie Empty Gruesome Isolated Locked Macabre Neglected Ornate Overgrown Peculiar Solitary Untouched Unusual

Gothic Adjectives for people:

Austere Determined Drawn Friendly Helpless Hideous Intimidating Looming Menacing Murderous Pallid Sinister Sleepless Surprised Taken aback Terrifying Treacherous Villainous Vulnerable

Some of the texts you will study: | Gothic Literature

The Woman in Black by Susan Hill	The Woman in Black is a ghost story by Susan Hill, in which Arthur Kipps relates his haunting experiences at Eel Marsh House. In his story, a young Arthur Kipps, a junior solicitor, is sent to settle the affairs of Alice Drablow. He sees a woman dressed in black at her funeral, though apparently no one else does.
The Tell-tale heart by Edgar Allen Poe	It is narrated by a madman who decides to kill the old man he lives with because he can't stand the gaze of the man's strange eye. However, after committing the crime, the narrator becomes convinced he can hear the old man's heart beating and gives away the location of the body.
The Red Room by H G Wells	It follows a confident young sceptic-the unnamed narrator of the story-as he attempts to spend the night in an infamously haunted room in a castle. Owing to the black and red décor of the room the narrator finds it necessary to light several candles to see his way around, but a draft keeps extinguishing the candles faster than he can keep them lit.
Frankenstein by Mary Shelley	Frankenstein tells the story of gifted scientist Victor Frankenstein who succeeds in giving life to a being of his own creation. However, this is not the perfect specimen he imagines that it will be, but rather a hideous creature who is rejected by Victor and mankind in general. The Monster seeks its revenge through murder and terror.

As well as: The Werewolf by Angela Carter

Click Clack the Rattle Bag by Neil Gaiman

Poetry: The Cold Earth Slept Below Percy Bysshe Shelley

Spellbound Emily Bronte

Gothic writing also includes a lot of poetry. Writers might use methods such as:

Meaning – the main message of the poem **Speaker** – the voice of the poem.

Imagery – the words which paint images in the reader's mind.

Simile - indirect comparison (like/as)

Metaphor - direct comparison

Personification – when a non-living object is described as looking like or behaving like a human.

Tone – the feeling/atmosphere of the poem **Structure** – the organisation of the poem, its rhyme scheme, the rhythm.

Stanza – grouped lines in a poem

Form – the type of poem – i.e. sonnet, ode.

Caesura – punctuation which occurs mid-line; slows the rhythm.

Enjambment – lack of terminal punctuation, speeding up the poem.

End-stopping – punctuation at the end of a line

Metre – number of beats per line

Plosive – sound made by stopping airflow – b,t,k, d, p; it creates a harsh sound.

Onomatopoeia – a word which sounds like the thing it is describing – i.e. bang

Alliteration – the repetition of the same sound Sibilance – the repetition of the 's' sound

The term 'gothic' comes from the Germanic tribe 'the Goths', who played a part in the fall of the Roman Empire. The Goths are sometimes called barbarians. They destroyed a lot of Roman architecture in around C3 and replaced it with buildings in the gothic style.

- Medieval Europe (C3-14) is sometimes referred to as the 'Dark Ages' (although this can be contested for a number of reasons.)
 Some believe that people lived in fear due to superstition and ignorance and that not much learning took place in this time. Castles with gargoyles were built to ward off evil spirits, this architecture is known as 'gothic' e.g.
 Notre Dame.
- Figures from The Age of Enlightenment (C18-19) believed that scientific progress was the only way to advance society, and great discoveries were made in this time. They tried to rid Europe of superstition and ignorance through promoting reason and logic.
- A group of poets, artists and thinkers called the Romantics challenged this because they believed that not everything can be explained by science, and too much reason rids the world of beauty and mystery.
- The gothic genre first emerged from the Romantic movement. It used art and ideas from the Dark Ages, wild emotion and nature to contrast modern ideas about science and logic.
- Gothic writing transformed into the format of the extremely popular Victorian ghost story.
- Today, we use the term 'gothic' widely to describe art, style, clothing (e.g. Alexander McQueen couture) music and film (e.g. Tim Burton films). The style and genre is very much still alive.

Why do we cook food?

The application of heat in the preparation of a food or mixture may:

improve digestibility; improve appearance, flavour, odour and texture; increase the availability of nutrients: prevent spoilage; increase keeping qualities.

Heat Exchange

As a food is heated, its molecules absorb energy and vibrate more vigorously. The faster they move, the more the temperature of the food rises. Ifheat is removed, the molecules become less active. reducing the foods temperature.

Heat can be exchanged in three ways:

- · conduction:
- · convection:
- radiation

Factors that affect food choice

Coeliac - cannot eat products containinggluten.

Lactose intolerance - the body can't digest the sugar lactose in dairy products.

Vegetarian: No meat in the diet Vegan: No products from animals in the diet e.g. meat, milk or honey.

Religion:

Islam: Requires Halal meat, no al cohol, no pork

Judaism: Requires Kosher food, no meat and dairy together, no

Hinduism: No beef

Micro-nutrients

Vitamins and minerals are essential nutrients that your body needs in small amounts to work properly.

Fat-soluble vitamins

Fat-soluble vitamins (vitamin A, D, E and K) are mainly found in: animal fats, vegetable oils, dairy foods, liver and oily fish While your body needs these vitamins to work properly, you don't need to eat foods containing them everyday.

Water-soluble vitamins

Water-soluble vitamins (vitamin C, the B vitamins and folic acid) are mainly found in:

fruit and vegetables, grains, milk and dairyfoods

These vitamins aren't stored in the body, so you need to have them more frequently.

If you have more than you need, your body gets rid of the extra vitamins when you urinate.

Minerals

Minerals include calcium and iron amongst many others and are found

Meat, cereals, nuts, fish, milk and dairy foods, fruit and vegetables

Minerals are necessary for 3 main reasons:

Building strong bones and teeth Controlling body fluids inside and outside cells

Turning the food you eat into energy



Food Poisoning



Lasting Energy

Macros

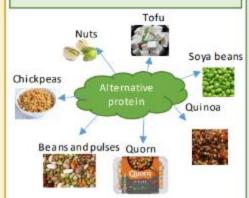


Guirbant Source of

Alternative protein

Proteins are known as the building blocks of life: In the body, they break down into amino acids that promote cell growth and repair.

(They also take longer to digest than carbohydrates, helping you feel fuller for longer and on fewer calories - a plus for anyone trying to lose weight.) You probably know that a nimal products-meat, eggs, and dairy—are a good source of protein.



Food poisoning is a disease caused by

symptoms of food poisoning: Shivers

Vegetarians and vegans don't consume meat so instead they use protein alternative products which are manufactured in order to provide protein in a diet and protein rich foods.

Protein complementation is when two LBV proteins are eaten together. Examples of protein complementation's are: hummus with pitta bread; nut roast made from a variety of nuts and seeds; vegetable curry and rice; lentils oup and wholemeal bread; baked beans on toast.

LBV proteins-. Foods that are deficient in one or more of the essential amino acids are said to have a low biological value (LBV). Foods originating from plants (cereals, nuts, seeds, lentils, beans, pulses)

Setting and thickening (coagulation): Eggs will set when cooked. This is shown when you make a quiche or an egg custard.

Enriching: Eggs add nutritional value to a dish. This is shown when you make egg fried Eggs rice.

Raising agent: When whisked, eggs can hold air and become a raising agent. They can make a mixture light in texture, e.g. Chocolate éclairs.

As a glaze and to add colour: Beaten egg can be used as a glaze which turns golden brown on heating. An example is glazing sausage rolls with egg before cooking to give a golden brown finish.

Aeration: Eggs can be whisked to hold air and form a foam. The protein in the egg white becomes stretched and holds the air bubbles. This is shown in making meringues or a whisked sponge. When the meringues or whisked sponge are cooked the protein sets and hardens.

Food Spoilage

Cross-contamination

Cross-contamination means that bacteria, toxins or food particles were transferred to a food product.

Cross-contamination can cause food poisoning and allergic reactions. Anaphylactic shock is a life-threatening reaction of the immune system to an allergen.

Food can become contaminated from:	Most commo	n allergens:
☐ Waste food and rubbish☐ Pest and rodents	☐ Fish and seaf	FOOD
☐ The cook's hand	☐ Eggs	ALLERGY
☐ Work surfaces and equipment		

Signs of Food Spoilage-Many species of microorganism and some enzymes can cause food spoilage.

	Bacteria	Yeast	Mould	Enzymes
Food Spoilage	The bacteria Clostridium botulinum produces a toxin which causes meat preserves to bulge.	Ferments sugar in juices and beverages, making them sour, fizzy and foamy.	Create green, white or black coat on food products such as bread, grapes, tomatoes and jams.	Turns bananas, apples, potatoesas other foods brown.
	Bacteria can also make meat products look slimy and green in colour.			

Key words

Microorganism- a very small living bacteria.

including high-risk foods.

Toxins-poison of plant or animal origin, especially one produced by or derived from microorganisms

Preserves - something in its original state

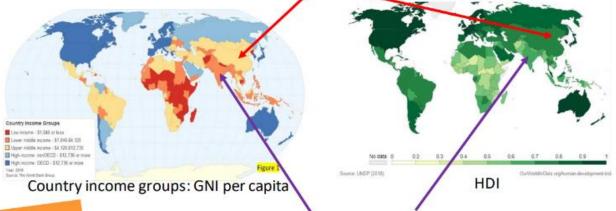
Ferments - The process in which yeast produces the gas carbon dioxide and alcohol.

	Keywords		
Development	A process of change that improves the standards of living of people in a country		
NEE	Newly emerging economy (not yet fully developed but making progress at a rapid rate)		
Global	The world		
Globalisation	The process by which the world is becoming increasingly interconnected		
Transnational Corporation (TNC)	A huge company that does business in several countries		
Urbanisation	An increase in the proportion of people living in urban areas in a country		
Human Development Index (HDI)	Combines three measures of development: life expectancy, average number of school years and GNI per capita. This produces a number between 0-1, where 1 is the highest HDI score.		
GNI per capita	The value of a country's goods and services, divided by the number of people living in that country		
BRICs	5 economies working together to develop and grow their economies - Brazil, Russia, India, China, South Africa		
Push factor	Negative things that make people want to move to a new area e.g. war		
Pull factor	Positive aspects that attract people to move to a place e.g. employment opportunities		

Year 8 Geography

How is Asia changing?

•					
•		How has China developed?	Advantages of China's growing industry	Problems with China's growing industry	
	A huge po	opulation = kforce	Factories offer lots of jobs which reduces unemployment	Factory smoke harming the rural industry	
	Has 12% of the world's mineral resources		Workers pay tax which helps the government to provide other services	People work long days and sometimes in poor conditions	



Rapid development in India has led to urbanisation. This has had positive and negative impacts:

Positive More people have access to clean water and medical care in cities	Negative: Air pollution has increased from industry and transport developments
Wages have increased and TNCs employ thousands of people	Poor working conditions and claims of exploitation



Typical holidays Year 8 German Term 4 vocab. list

reuera	LIUII
Wohin fährst du	Where do you travel?
Ich reise	I travel
Ich fahre	I go
nach Berlin/ London	To Paris / to London
nach Frankreich	To France
nach Spanien	To Spain
nach England	To England
nach Schottland	To Scotland
nach Irland	To Ireland
nach Polen	To Poland
nach Deutschland	To Germany
nach Österreich	To Austria
nach Wales	To Wales
nach Italien	To Italy
in die Schweiz	To Switzerland
in die Türkei	To Turkey
in die Karibik	To the Caribbean
nach Amerika	To the States
	<u> </u>

Hacii Allielika	10 the States	
Wie fährst/reist du?	How do you travel?	
zu Fuß	On foot	
mit dem Fahrrad	By pushbike	
mit dem Motorrad	By motorbike	
mit dem Auto/Wagen	By car	
mit dem Zug	By train	
mit dem Schiff	By boat	
mit der U-Bahn	By tube/underground	
mit dem Reisebus	By coach	
mit dem Bus	By bus	
mit dem Flugzeug	By plane	
mit der Straßenbahn = by tram		

mit der Fähre = by ferry

_Wo bleibst du?	Where do you stay?
Ich bleibe in	I stay in
einem Hotel	A hotel
einer Ferienwohnung	A holiday flat
auf einem Campingplatz	A campsite
einer Jurte	A yurt
einem Wohnwagen	A caravan
einem Zelt	A tent
einer Jugendherberge	A youth hostel
einem Mobilheim	A static caravan
bei meinen Großeltern	At my grand-parents'
In dos Ctodt	In the town

	, a say grant parama
In der Stadt	In the town
Ich besuche	I visit
Wir besuchen	We visit
der Supermarkt	The supermarket
die Brücke	The bridge
das Schwimmbad	The swimming pool
das Eisstadion	The ice rink
die Stadtmitte	The town centre
das Kino	The cinema
das Museum	The museum
das Theater	The theatre
das Verkehrsamt	The tourist information office
das Einkaufszentrum	The shopping centre
das Freizeitzentrum	The leisure centre
der Markt	The market
das Stadion	The stadium
der Freizeitpark	The theme park
das Krankenhaus	The hospital
die Monumente	The monuments
die Geschäfte	The shops
die Kirche	The church
der Bahnhof	The train station

Was machst du in den Ferien? Sich entspannen (ich entspanne mich) Spaß haben/es macht Spaß sich sonnen Denkmäler besuchen zum Strand gehen ins Restaurant gehen einkaufen gehen spazieren gehen Fotos machen Souvenirs kaufen Wassersport machen	What do you do on holidays? To relax (I relax) To have fun (it is fun) To sunbathe To visit monuments To go to the beach To go to the restaurant To go shopping To go for walks To take photos To buy souvenirs To do water sports
Wo ist? Es ist weit Es ist in der Nähe Es ist 5 Minuten von hier entfernt Es ist à 300 Meter entfernt Gehen Sie geradeaus An der Ampel Zum Kreisverkehr Gehen Sie links Gehen Sie rechts Nehmen Sie die erste/zweite Straße über die Brücke	Where is? It's far It's nearby It's 5 minutes away It's 300 metres away Go straight on At the traffic lights To the roundabout Go left Go right Take the first / second road over the bridge
Wie ist das Wetter? Es ist schön Es ist heiß Es ist sonnig Es ist kalt Es ist 25 Grad Es ist schlecht Es regnet Es schneit	What is the weather like? It is good weather It is hot It is sunny It is cold It is 25 degrees It is bad weather It is raining It is snowing

It is windy

It is cloudy

There is a rainbow

Es ist windig

Es ist wolkig

Es gibt einen Regenbogen

Why are we learning about this?

The British Empire covers over 400 years of British History. It was the largest empire in history. We are going to learn how the British Empire impacted different locations around the world and how the legacy of the empire still impacts peoples' lives today.

Key Events

1	1500s - England begins to establish itself as a naval power and looks to control more land.	
2	1612 – East India Company began a small empire of trading posts in India.	
3	1770 – Captain James Cook landed his ship in Australia	
4	1807 - Slave trade outlawed (but does not outlaw slavery itself)	
5	1833 - Slavery abolished in British Empire	
6	1842 – Britain took control of Hong Kong after the opium wars with China	
7	1857 - Rebellion in India (Indian Mutiny). British government took over India from the East India Company, start if the British Raj.	
8	1901 – Australian independence from the British Empire.	
9	1919 – The Amritsar massacre takes place in India.	
10	1947 – Indian gains independence from the British Empire.	
11	1919 - British government massacred a peaceful gathering at Amritsar, India.	
12	1947 - India and Pakistan given independence.	
13	1997 - Hong Kong was handed back to China.	



The British Empire was so large it was said: "the sun never sets on the British Empire"

History Year 8 Term 4

We need to talk about the British Empire.

Why did Britain want an Empire?

The British could make Trade (and money) huge amounts of money from trading across the Empire. They could also access resources which otherwise were not available to them. The British used Warfare soldiers from around the Empire in their The British became one **Political** power and of the most powerful influence countries in History. Even today, Britain is far more powerful than it's size suggests.

Religion



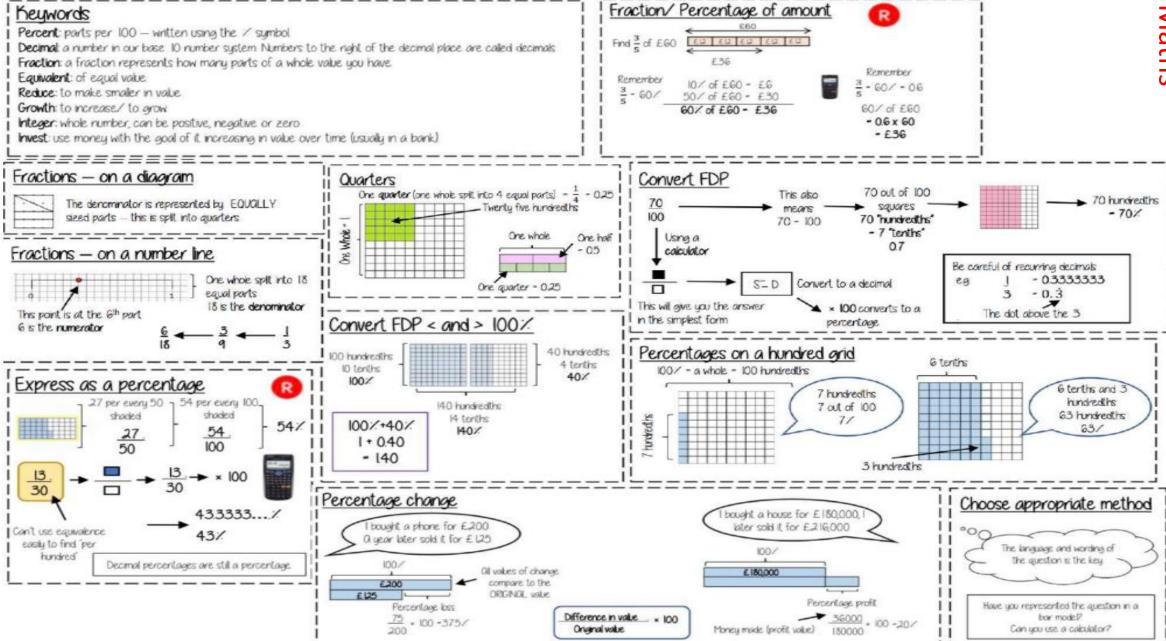
The British tried to spread Christianity across the Empire, often ignoring local religions and cultures.

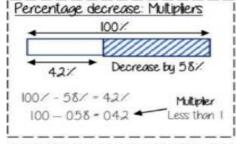
Key Terms

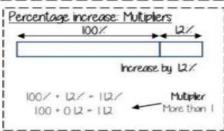
14	Aboriginals	The people native to Australia. They have lived there for over 60,000 years
15	The British Raj	Period of British rule in India after 1857. From the Hindi word for reign.
16	colony	A country that is controlled by an empire. E.g. India, South Africa, Australia, Canada.
17	Commonwealth	A group of countries that were once part of Britain's Empire that associate with each other today.
18	empire	When one country rules over other countries. E.g The British Empire.
19	mutiny	Disobeying or fighting against the leaders in charge.
20	native	Some from an area.
21	opium	An addictive illegal drug from the juice of the opium poppy.
22	partition	The action or state of dividing or being divided into parts.
23	Sepoy	An Indian soldier serving under British orders.

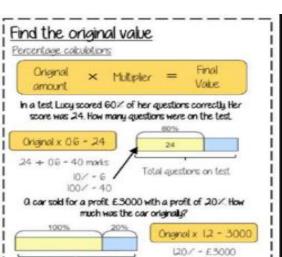
History Skills Focus

Similarities and differences	We will be explaining how similar and different the impacts of the British Empire were on different colonies.
Consequence	What were the results/impacts of the British Empire on the colonies.

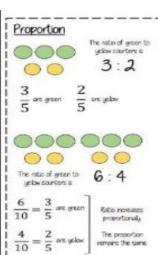


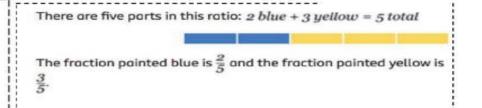






£5000





This can be used to write other fraction facts

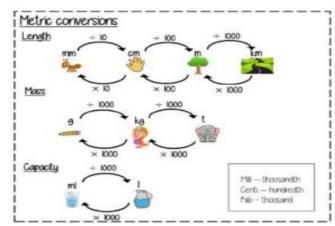
Blue is 2/3 of yellow.

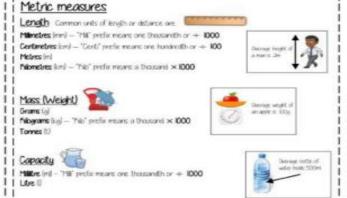
Yellow is 3/2 of blue.

We can also write this as an equivalence relationship.

3 blue are equal to 2 yellow or 3b=2y

Length: the distance from one point to another



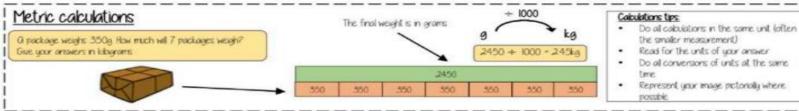


107 - £250

100/ - £2500

Mass: a measure of how much matter is in an object Capacity: the amount an object can contain (normally liquids) Volume: the amount of 3-dimensional space on object takes up (units of length cubed) Convert: to change a value or expression from one value to another Imperiat a system of weights and measures originally developed in England. Metric: a system of measuring that replaced the imperial system to fall in line with the rest of Europe. Proportion: values of two items that increase in the same ratio Time and the calendar 1 day - 24 hours 12 Months - one year - 52 weeks Thour - 60 mostes Stricks - Jan, March, May July Legaconds - 60 seconds Own Oct. Dec 50 dags - Oped June, Sept. Nov Year - the amount of time & 25 days - Feb (29 hap year) takes Earth to ap around the Use a number line for sun 365 fand a quarter) days Lweek - 7 dags





Key Words

Major
Minor
Key Signature
Chromaticism
Composer
Ground Bass
Sequence
Motif
Harpsichord
Chord
Sharp
Flat
Solo
Duet

D E G A B C C D E F G A B C

Trio

Orchestra

Year 8 Terms 3 & 4: What makes a great composer?

Shaping my musical toolkit

Musical Elements

Dynamics (volume)

Rhythm (duration of notes)

Tempo (speed)

Context (background info)

Structure (sections)

Melody (organisation of pitches)

Instrumentation (instruments & voices)

Texture (layers)

Harmony (chords & key)

Note Durations

0

Minim (2beats)



Crotchet (1 beat)



Quaver (½ beat)



Semiquaver (1/4 beat)

Composers & Pieces

Pachelbel (1653-1706) Canon in D

Bach (1685-1750) Toccata & Fugue

Mozart (1756-1791) Eine Kleine Nachtmusik

Beethoven(1770-1827) Moonlight Sonata

Chopin (1810-1849) Funeral March

Tchaikovsky (1840-1893) Dance of the Sugar Plum Fairy

Periods of musical History

- Baroque Era 1650-1725.
- Classical Era 1725-1810.
- Romantic Era 1810-1900.
- 20th Century Era 1900 onwards.

Instruments & Techniques

Strings (Violin, Viola, Cello, Double Bass)

Woodwind (Flute, oboe, clarinet, bassoon)

Brass (Trumpet, French Horn, Trombone, Tuba)

Percussion (Timpani, Bass drum, Snare drum, triangle, maracas, bells)
Harpsichord (keyboard instrument from the Baroque era, before piano)

Pizzicato (plucking strings)

PRINCIPLES OF TRAINING

Basic -

FITT

FREQUENCY

How often you train

INTENSITY

How hard you train

TIME

How long you train for

TYPE

What type of training you do









Advanced - SIVRPAR

SPECIFICITY – Training should be specific to the individual's sport, activity or fitness goal

INDIVIDUAL DIFFERENCES/NEEDS – The programme should be designed to meet the individual training goals and needs

VARIATION – It is important to do different activities in training to prevent boredom

REST & RECOVERY – A sports performer needs to rest to allow their body to recover and repair

PROGRESSIVE OVERLOAD – In order to progress training needs to be demanding enough to cause the body to adapt, improving performance

ADAPTATION – How the body reacts to training loads by increasing its ability to cope with those loads

REVERSIBILITY – When training stops, training effects are reversed



Knowledge Organiser



Key terms

Allah

God in Arabic - the one and only God in Islam.

Five Pillars of Islam

Five duties that every Muslim must follow in order to live a good and responsible life according to Islam.

Medina

The place from which Muhammad established the Muslim community

Mosque

a place where Muslims come together to pray.

Qur'an

The holy book of Islam. Believed to contain teachings from Allah.

Salah

The pillar that focuses on the five daily prayers

Worship

Within Islam, there are compulsory duties that Muslims must try to carry out. All Muslims follow the Five Pillars of Islam. For Sunni Muslims, the Five Pillars are the core duties of Islam.

Salah is the second of the Five Pillars of Islam. It is the belief that Muslims should pray five times each day. Prayer is important as it allows Muslims to communicate with Allah, listen to Allah and follow in the footsteps of the prophets.

Prayer is performed five times each day because of what the Qur'an says about prayer: Establish prayer at the decline of the sun [from its meridian] until the darkness of the night and [also] the Qur'an of dawn. Indeed, the recitation of dawn is ever witnessed. (Qur'an 17:78).

Place of prostration

There are over 2.5 million Muslims in the UK and over 1,500 mosques. The mosque is a place to gather for prayers, to study and to celebrate festivals such as Ramadan. It can also be used to house schools and community centres.

The Arabic word for mosque, "masjid", means "place of prostration". The first mosque was the Prophet Muhammad's home in Medina, Saudi Arabia, a 7th-Century house with a large courtyard surrounded by long rooms.

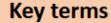
The simplest mosque would be a prayer room with a wall marked with a "mihrab" – a niche indicating the direction of Mecca, which Muslims should face when praying. A typical mosque also includes a minaret, a dome and a place to wash before prayers. Each feature has its own significance.





Knowledge Organiser





Afterlife

Life after death

Hadith

a collection of traditions containing sayings of the prophet Muhammad (pbuh)

Hajj

the fifth pillar of Islam. It is the pilgrimage to Makkah

Muslim Aid

An Islamic charity that provides help to people who are victims of natural or humanmade disasters

Pilgrimage

a journey made to some sacred place as an act of religious devotion

Zakah

The third pillar of Islam. It is the compulsory giving of a set proportion of one's wealth to charity.

Haii

Hajj is the Muslim pilgrimage, which it is compulsory for Muslims to undertake at least once in their lifetime as long as they are healthy and can afford it. In order for it to count, a Muslim's journey must take place within the month of Dhu'l-Hijja, the 12th and final month of the Islamic calendar.

Importance of Hajj

Those completing the Hajj are known as Hajji. Everyone taking part in the Hajj pilgrimage is treated as an equal and there is a great sense of unity. The pilgrimage shows self-discipline and fulfils a religious duty, bringing Muslims closer to God.

Some hadith agree that sins are cleansed by the journey: He will return as if he were born anew (Sahih al-Bukhari 26:596).

7akah

Zakah is the practice where a Muslim gives 2.5 per cent of their wealth to charity, after they have paid for what is necessary to support themselves and their families. People who are too poor will not be required to suffer hardship to give Zakah.

Muslims give to charity because they see wealth as a loan from Allah. These donations help Muslims to purify their souls by not being greedy. It is said that the giver of the money will receive a "hundred-fold" back in the afterlife.

In countries such as the UK, some Muslims perform Zakah by giving directly to a charity, such as Muslim Aid. Others contribute to collections in the mosque, which then distributes the money to those in need. In Islamic countries, often Zakah is collected as a tax.



Year 8 Block 3 Biology Knowledge Organiser Evolution

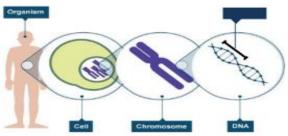
Revision guide Pgs: 26-29

https://www.bbc.com/bitesize/subjects/z4882hv

KPI 9.1: Identify variation between individuals of a species and state the differences between species, describing the differencebetween continuous and discontinuous variation.

DNA

- All the instructions to make organisms are kept in coded form on a very long molecule called DNA.
- · DNAis kept in the nucleus of everycell.
- The molecule is so long it is twisted and folded into tiny structures called chromosomes so it can fit inside the nucleus.
- · It has a ladder like structure and is a double helix.
- Ashort length of chromosome which codes for a characteristic is called a gene.
- There are four bases in DNA: A, T,C,G. Aonly pair with T,Conly pair with G.
- As the sequence of the bases differ, the protein produced differ. This
 account for many variations.



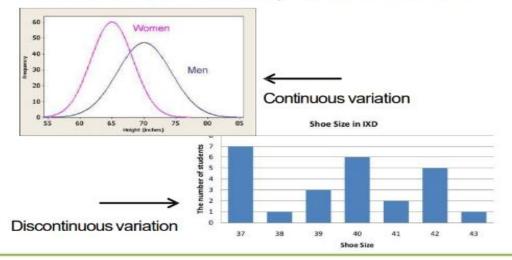
Variation

- The differences between living things of the same species is known as variation.
- Variation can be caused by differences in genes or differences in the environment.
- Some variation is caused by a mixture of both genesand environment.

Key Terms	Definition	
DNA	Molecule that carries all the instructions needed for an organism	
Gene	Ashort length of DNA that has the information for a characteristic	
Chromosome	Astructure containing DNA found inside the nucleus of a cell	
Variation	Differences between living organisms of the same species	
Continuous variation	Differences that can take any value, e.g. height	
Discontinuous variation	Differences that can only take set values, e.g. blood groups	

Measuring variation

- Continuous variation is variation that can take any value (e.g. height or weight).
- Continuous variation should always be shown on a line graph.
- Discontinuous variation is variation that can only take set values (e.g. shoe size or blood group).
- Discontinuous variation should always be shown on a bar chart.



Year 8 Block 3 Biology Knowledge Organiser Evolution

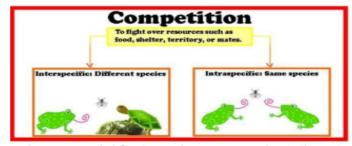
Revision guide Pgs: 26-29

https://www.bbc.com/bitesize/subjects/z4882hv

KPI 8.2: Explain how variation allow organisms to compete, and the way this drives natural selection

Organisms compete for resources like food, water, mates, space, light, and minerals.

There are 2 types of competition. Interspecific competition is between individuals of different species and Intraspecific competition is between individuals of the same species.



Organisms have special features known as adaptations to help them survive in their environment. For example polar bears are white so they are camouflaged in the snow.

Variation

Variation can be caused by genes e.g. eye colour and your blood group. It can also be caused by environment which means the food you eat, the

chemicals you're exposed to , the way you're brought up. Often variation is a combination of genes and environment e.g. intelligence and weight. Genetic variation always gives rise to discontinuous data where there is a limited set of data e.g. tongue roller or non roller. Continuous data can be of any value and is caused by genetic and environmental factors.

Natural selection

Natural selection states that there is variation within a species.

Some adaptations are better than others. Those with the best adaptations

survive, and the others die.

The survivors can reproduce and have offspring.

Their offspring inherit the genes for the best adaptations, so the organisms population changes over time. This is survival of the fittest. Charles Darwin came up with this theory in the 1800's.

Natural Selection 1) Each species shows variation: 2) There is competition within each species for food, living space, water, mates etc. 3) The "better adapted" members of these species are more likely to survive — "Survival of the Fittest" 4) These survivors will pass on their better genes to their offspring who will also show this beneficial variation.

Key Terms	Definition
Adaptation	Something which helps an organism to survive in their environment, e.g, humps for storing water
Habitat	The environment that an organism lives in

Adaptation

- Every animal has evolved gradually over millions of years to become well suited, or adapted, to its habitat.
- These adaptations are specific to the environment of the animal and are essential for survival.
- An animal must be able to find food, breed and navigate its way around its habitat if it is to survive.

Year 8 Block 3 Knowledge Organiser Chemical reactions

Revision guide Pgs: 45-48+51-54 (48-51+54-57 higher)

https://www.bbc.com/bitesize/subjects/znxtyrd

Acid & metal Reactions

When an acid and a metal react together we form a metal salt and hydrogen.

Metal + acid → metal salt + hydrogen

Magnesium + hydrochloric acid → magnesium chloride + hydrogen

Metal carbonate & acid reactions

When an acid and metal carbonate are reacted together they form metal salt, water and carbon dioxide

Metal carbonate + acid → metal salt + water + carbon dioxide Copper carbonate + hydrochloric acid → copper chloride + water + carbon dioxide

Tests for carbon dioxide and hydrogen

CO₂ - Carbon Dioxide

- 1. Lit splint is extinguished (goes out) in the presence of CO₂ gas.
- 2. ime water turns from colourless to cloudy.

H₂ - Hydrogen

Squeaky pop test - a lit splint, in the presence of hydrogen makes a squeak pop sound.

Naming compounds

When naming compounds the Periodic Table shows the different elements that are in a compound.

In metal and acid reactions the compound made is called a salt and it has 2 parts to its name: 1st

from the metal, 2nd from the acid.

Hydrochloric acid → chloride salts

Nitric acid → nitrate salts

Sodium chloride
Sodium nitrate
Sodium sulphate

Sulphuric acid → sulphate salts

Group 1 - Alkali Metals reactivity

Reactivity increases going down group 1.

Element	Observations	
Lithium, Li	Fizzes steadily, slowly becomes smaller until it disappears	
Sodium, Na	Melts to form a ball, fizzes rapidly, quickly becomes smaller until it disappears	
Potassium, K	Quickly melts to form a ball, burns violently with sparks and a lilac flame, disappears rapidly, often with a small explosion	

Thermite reaction:

Iron oxide + Aluminium --> Aluminium Oxide + Iron

Aluminium is higher than Iron in the reactivity series so it displaces iron from iron oxide.

Thermite is used to weld train rails together.



Year 8 Block 3 Knowledge Organiser Chemical reactions

Revision guide Pgs: 45-48+51-54 (48-51+54-57 higher)

https://www.bbc.com/bitesize/subjects/znxtyrd

Chemical and physical properties

Elements in different groups have their own properties. Physical properties refer to physical characteristics such as how their colour and their states. Chemical properties refer to how the elements react when they form newbonds.

Reactivity Series:

The reactivity series is the order of metals based on their reactions with water, air and acid. We can use this to predict the products in a reaction.

	Potassium	most reactive
	Sodium	+
Electrolysis	Calcium	
	Magnesium	
	Aluminium	
	Carbon	
	Zinc	
Reduction	Iron	
	Tin	
	Lead	
	Hydrogen	
	Copper	
Native	Silver	
THE PARTY C	Gold	+
	Platinum	least reactive

In displacement reactions the metal that is higher up the reactivity series will form a salt. For example:

Magnesium + copper sulphate → magnesium sulphate + copper

The magnesium is higher up the reactivity series so it displaces copper and takes its place.

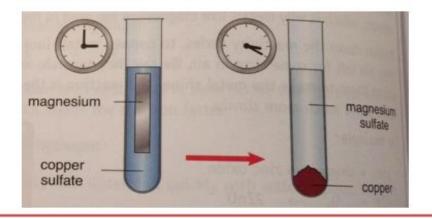
Zinc sulphate + copper → no reaction.

Copper is lower down the reactivity series so it does not displace zinc.

Key Word	Definition				
Displacement	A reaction where a more reactive metal take the place of a less reactive metal.				
Reactivity	A description of how quickly or vigorously a material reacts.				
Reactivity series	A list with metals that shows how reactive they are				

Displacement Reactions

Eg. Magnesium + copper sulphate → magnesium sulphate + copper We use displacement reactions to determine the reactivity series. The more reactive metal displaces the less reactive metal.



Metal Extraction

We use the reactivity series to help us deicde how to extract metals from their ores.

Anything below hydrogen is found on its own (native) eg gold Anything below carbon is reduced using carbon eg zinc Anything above carbon is extracted using electrolysis eg sodium

8.7 Present tense holidays

Year 8 Spanish Knowledge Organiser

There are three types of verbs in Spanish and in their infinitive form they end in:

-ar -er -ir

The present tense: Depending on the pronoun, we change the ending of the verb using the table below:

Pronouns	-ar	-er	-ir
yo (I)	-0	-0	-0
tú (you)	-as	-es	-es
él (he), ella (she)	-a	-e	-e
Nosotros/nosotras (we)	-amos	-emos	-imos
Vosotros/vosotras (you) (pl)	-áis	-éis	-ís
ellos/ellas (they)	-an	-en	-en

Example:

Descans $\underline{ar} = \underline{to}$ rest $Com\underline{er} = \underline{to}$ eat $viv\underline{ir} = \underline{to}$ live $Com\underline{er} = \underline{to}$ eat $viv\underline{en} = \underline{to}$ live

The present and future tenses



The Near Future:

The near future **tense** is used to express something that will be happening in the very near future. It is formed by conjugating the verb **ir** (to go) in the present tense + a + an infinitive.

Example: I'm going to travel by plane > Voy a viajar en avión.

English	To go (present)	"a"	Infinitive		
I am going to go	Voy	а	ir		
You are going to play	Vas	а	jugar		
He/she is going to visit	Va	а	visitar		
We are going to swim	Vamos	а	nadar		
You (pl.) are going to read	Vaís	а	leer		
They are going to do	Van	а	hacer		

<u>Time markers</u> tell us when something happens and help us work out which tense is being used. The following can be used with the future tense.

Mañana - tomorrow

La semana próxima- next week

El fin de semana que viene - next weekend

El próximo mes - next month

El año que viene – next year

En dos años – In two years

8.7 Present Holidays - Spanish Vocab List

iiii.	Voy	l go
	a París / a Londres	to Paris / to London
	a Francia	to France
6	a España	to Spain
4	a Inglaterra	to England
$>\!\!<$	a Escocia	to Scotland
	a Irlanda	to Ireland
154	a Gales	to Wales
100	a Portugal	to Portugal
10	a Pakistán	to Pakistan
	a Polonia	to Poland
*	a Somalia	to Somalia
	al Caribe	to the Caribbean
	al Reino Unido	to the UK
	a los Estados-Unidos	to the States
	a los Países Bajos	to the Netherlands

	¿Qué visitas?	Where do you visit?
_	Visto / Visitamos	I visit /We visit
9	la playa	The beach
	la piscina	The swimming pool
ф	el centro	The town centre
	el museo	The museum
	el mercado	The market
	el estadio (de	The (football/rugby)
	fútbol/rugby)	stadium
N :∰	el parque de	The theme park
	atracciones	
	los monumentos	The monuments
	las tiendas	The shops
	los cafés	The cafés
	los restaurantes	The restaurants
	la oficina de turism □	The tourist office

		¿Dónde te alojas?	Where do you stay?
		Me alojo en / Me quedo en	I stay in
		un hotel (de cinco estrellas)	A (five star) hotel
<i>₩</i>	<u>\$</u>	un camping	A campsite
0000	000	un apartamento	An appartment
•		una caravana	A caravan
	X	una tienda	A tent
I		un albergue juvenil	A youth hostel
0		una caravana estática	A static caravan
		en casa de mis abuelos	At my grand-parents'
		un parador	A state-owned luxury hotel
		una pensión	A B&B
		¿Cómo viajas?	How do you travel?
		Viajo / Viajamos	I travel / We travel
	Ť	a pie	by foot
(₹	en bici	by bike/pushbike
	FÅ,	en moto	by motorbike
(—	en coche	by car
	,	en tren	by train
\triangle	, 🗟	en barco / en crucero	by boat / by cruiseship
		en metro	by tube
- 1		en autocar	by coach
		en autobús	by bus
(en avión	by plane
0_		¿Qúe tiempo hace?	What is the weather like?
844	0.4	Hace buen / mal tiempo	It is good /bad weather
*	` `	Hace calor/frío	It is hot/cold
-,C	<u>)</u> -	Hace sol	It is sunny
(Hace 25 grados	It is 25 degrees
4		Llueve	It is raining
<u>ب</u>		Nieva	It is snowing
Č	ؠٛ	Hay viento	It is windy
	ුර්	Hay nubes	There are clouds

		Federation				
	¿Qué haces?	What do you do?				
₩	Descansar	To rest				
(4)	*Divertirse (me divierto)	To have fun (I have fun)				
	Tomar el sol	To sunbathe				
	Visitar monumentos	To visit monuments				
9	*Ir a la playa	To go to the beach				
19	*Ir al restaurante	To go to the restaurant				
#	*Ir de compras	To go shopping				
<u>*</u>	*Dar un paseo	To go for walks				
Õ	Sacar/tomar fotos	To take photos				
₩	Comprar recuerdos	To buy souvenirs				
₩	*Hacer deporte	To do (play) sports				
	*Hacer deportes	To do water sports				
₩ <u>₩</u>	acaaticos					
T	Bailar en la discoteca	To dance in the club				
	¿Dónde está?	Where is it?				
Žů.	Está lejos	It's far				
\$\frac{1}{2} \text{\$\frac{1}{2}} \$\frac	Está lejos Está cerca	It's far It's nearby				
	•					
\triangleleft	Está cerca	It's nearby				
	Está cerca Está a <u>cinco</u> minutos	It's nearby It's <u>5</u> minutes away				
	Está cerca Está a <u>cinco</u> minutos Está a <u>300</u> metros	It's nearby It's <u>5</u> minutes away It's <u>300</u> metres away Go straight on At the traffic lights go				
	Está cerca Está a <u>cinco</u> minutos Está a <u>300</u> metros Siga todo recto	It's nearby It's <u>5</u> minutes away It's <u>300</u> metres away Go straight on				
	Está cerca Está a <u>cinco</u> minutos Está a <u>300</u> metros Siga todo recto En el semáforo siga todo	It's nearby It's <u>5</u> minutes away It's <u>300</u> metres away Go straight on At the traffic lights go				
	Está cerca Está a <u>cinco</u> minutos Está a <u>300</u> metros Siga todo recto En el semáforo siga todo recto	It's nearby It's <u>5</u> minutes away It's <u>300</u> metres away Go straight on At the traffic lights go straight on				
	Está cerca Está a <u>cinco</u> minutos Está a <u>300</u> metros Siga todo recto En el semáforo siga todo recto En la rotonda gira a la	It's nearby It's <u>5</u> minutes away It's <u>300</u> metres away Go straight on At the traffic lights go straight on At the roundabout turn				
	Está cerca Está a <u>cinco</u> minutos Está a <u>300</u> metros Siga todo recto En el semáforo siga todo recto En la rotonda gira a la derecha	It's nearby It's <u>5</u> minutes away It's <u>300</u> metres away Go straight on At the traffic lights go straight on At the roundabout turn right				
	Está cerca Está a <u>cinco</u> minutos Está a <u>300</u> metros Siga todo recto En el semáforo siga todo recto En la rotonda gira a la derecha Gira a la izquierda	It's nearby It's <u>5</u> minutes away It's <u>300</u> metres away Go straight on At the traffic lights go straight on At the roundabout turn right Turn left				
	Está cerca Está a cinco minutos Está a 300 metros Siga todo recto En el semáforo siga todo recto En la rotonda gira a la derecha Gira a la izquierda Gira a la derecha Tome la primera	It's nearby It's 5 minutes away It's 300 metres away Go straight on At the traffic lights go straight on At the roundabout turn right Turn left Turn right				
	Está cerca Está a cinco minutos Está a 300 metros Siga todo recto En el semáforo siga todo recto En la rotonda gira a la derecha Gira a la izquierda Gira a la derecha	It's nearby It's 5 minutes away It's 300 metres away Go straight on At the traffic lights go straight on At the roundabout turn right Turn left Turn right Take the first				

REMEMBER!

Any practical work you do at home, take photos and this can be classed as homework if there is evidence in your homework book!

Applique is the method of sewing pieces of fabric onto other fabric bases in beautiful designs. You can stitch the applique pieces by hand as well as by sewing machine.





Spray dying creates a speckled, graffiti effect on fabric. Try not to spray too close as it will not have the same effect on the fabric.



Dyeing involves adding colour to the fabric by way of soaking it in a solution of dye. You can dye a fabric fully or partially; Batik, tie and dye, shibori dyeing are all variations of dyeing fabric to bring about beautiful patterns on fabric surface.



Rubbings use natural textures to create interesting designs on to fabric, layer different colours to make your design more original.

Shaving foam marbling is a method of creating a marble effect, using shaving foam and acrylic paints. You can mix colours together to create a colourful design. Be careful not to overmix as this could result in to getting an all over brown colour.



Decorative stitches

are created by selecting different stitch settings on a sewing machine, these are good to use in different colours to match your creative work. They can be sewn in a curved line as well as just sewing straight.



Year 8 Textiles Knowledge Organiser



The 4 Rs of sustainability

The UK wastes around £1 billion of clothing each year, which effects the environment we live in. A way to support the environment is to follow the four Rs of sustainability at home.

Recycle – Making unwanted clothing in to something new i.e. Jeans in to shorts.

Reduce – Buy high quality clothing which

will last for longer. **Repair** – If there is a rip or hole in your clothing, fix it by hand sewing it or adding

clothing, fix it by hand sewing it or a patch.

Reuse – If you no long want your clothing, donate it to a sibling or local charity shop.

Textiles Hierarchy of Key words

Plain seam
analyse
sustainable
embellishment
Woven/ bonded/ knitted
Free machine
embroidery develop

Academic' keywords

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

Use these in your writing and speaking

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

DESCRIBE



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...

Sentence starter phrases

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...

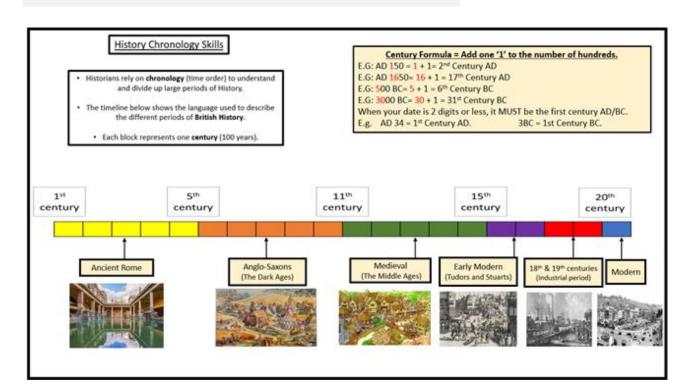
Without a doubt...

I am certain that...

Some people might argue...

However...

Also...



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
Deficiency	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 Smell	User Prototype	thread Fabric 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

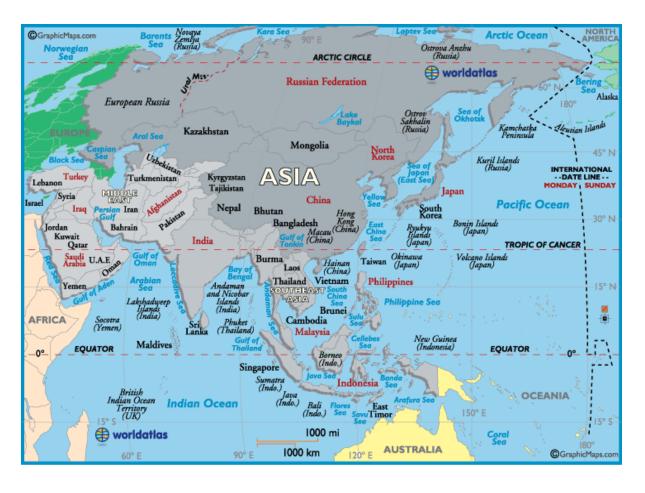
1	2			Key			1 H hydrogen 1					3	4	5	6	7	0 4 He helium 2
7 Li lithum 3	9 Be beryllium 4		ato	ve atomic omic symi name (proton) r	bol							11 B boron 5	12 C carbon 6	14 N nitrogen 7	16 O oxygen 8	19 F fluorine 9	20 Ne neon 10
23 Na sodum 11	24 Mg magnesium 12											27 Al atumintum 13	28 Si silcon 14	31 P phosphorus 15	32 S ****** 16	35.5 CI chlorine 17	40 Ar arpon 18
39 K potassium 19	40 Ca caldum 20	45 Sc scardum 21	48 Ti stantum 22	51 V venadum 23	52 Cr chromium 24	55 Mn manganese 25	56 Fe iron 26	59 Co cotalt 27	59 Ni nickel 28	63.5 Cu copper 29	65 Zn ±nc 30	70 Ga gallum 31	73 Ge germanium 32	75 As arsenic 33	79 Se selenium 34	80 Br bromine 35	84 Kr krypton 36
85 Rb nbidum 37	88 Sr strontum 38	89 Y yerium 39	91 Zr zirconium 40	93 Nb nkblum 41	96 Mo molybdanum 42	[98] Tc technetium 43	101 Ru nutherium 44	103 Rh modum 45	106 Pd polisdium 46	108 Ag sever 47	112 Cd cadmium 48	115 In indum 49	119 Sn sn 50	122 Sb artimony 51	128 Te telurium 52	127 iodine 53	131 Xe xxnon 54
133 Cs commum 55	137 Ba barium 56	139 La* lanthanum 57	178 Hf hafrium 72	181 Ta tentelum 73	184 W tungsten 74	186 Re menium 75	190 Os osmium 76	192 Ir iridum 77	195 Pt platrum 78	197 Au gold 79	201 Hg mercury 80	204 TI thallium 81	207 Pb lead 82	209 Bi bismuth 83	[209] Po polorium 84	[210] At avatine 85	[222] Rn radon 86

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/

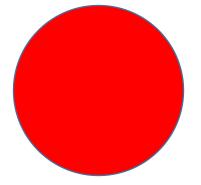
PE

https://www.bbc.com/bitesize/examspecs/ztrcg82 https://sites.google.com/view/ocrgcseperevision/home

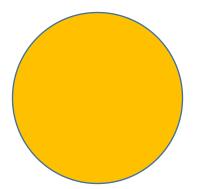
RS

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

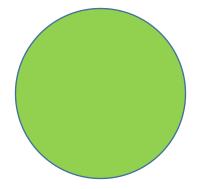




I don't understand the learning in this lesson and would like some help



I am not confident with the learning in this lesson so might need some extra help.



I am confident with the learning in this lesson and can work independently

<u>Timetable</u>

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