

Summer 1 - Year 8 Name:

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Idea

Plant Cell

Make some flash cards or PowerPoint slides. Make top trumps.

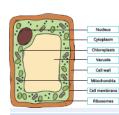


Explanation

test yourself.

last!

Make a poster.



Draw spider diagrams, or for the adventurous mind maps.

Write a song or a



Write the topic/keyword in the centre of your page. Add everything you know in subtopics. Then explore each subtopic in turn adding more ideas. Colour/pictures help you recall.

Write down key words, auotation,

definition or answer. Use them to

Turn your notes into posters with lots of colour and illustrations.

Summarising the key information in a

different way is an effective way of

learning and your brain will remember

the colours more easily. Do the title

questions or equations on one side of a card. On the other side, write the

Are there songs that stick your head. Change the lyrics to the information you want to learn. If you record and listen back it will be a more fun way of revising.

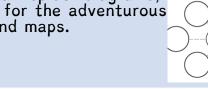
If you teach something to someone else the chance of recalling it is really high. This has been found to be the most effective way of learning something for the long term.

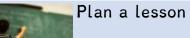
Take the keywords or facts that you need to learn and turn them into a story or a cartoon. The sillier the story the more likely you are to remémber it.

Playing is how we learn as young children and it is a very powerful way of learning throughout life. If we enjoy the game it helps us remember.

Just reading through your books or a knowledge organiser is not always an effective way to revise. Instead, you should do something with the information. Choose an example of the revision methods on the pages or see if you can come up with another method.

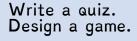
Subject	Page Number	Subject	Page Number
Food	3	German	28
DT	10	History	31
PE	11	English	33
Science	13	Maths	37
Computer Science	23	RE	43
Art	24	Music	45
Geography	26	Drama	47





Write a story or comic strip.











Seasonal Produce and Air Miles

Seasonal produce

Seasonality of food refers to the times of year when the harvest or the flavour of a given type food is at its peak. This is usually the time when the item is the cheapest and the freshest on the market.

The **food's** peak harvest time usually coincides with when its flavour is at its best.

Advantages of local, seasonal foods foods

- Often cheaper as it is not imported and there is a larger quantity of the food available
- Fresher as it has taken less time to travel and less storage time.
- High in nutrients fruit and vegetables lose nutrients over time after being picked. With less travel and storage time, they lose less nutrients.
- Tastes better as it is fresher and higher in nutrients.

Disadvantages of local, seasonal foods

- There is a smaller range of foods available
- Not importing foods means not supporting farmers in developing countries.

Examples of UK grown produce			
Autumn Winter		Spring	Summer
Apples Mushrooms Beetroot Pears Potatoes Pumpkin Garlic	Cauliflower Sprouts Suedes Sweet potato Broccoli Oranges	Strawberry Carrot Lettuce Leeks Asparagus Peas Spring	Cucumber Aubergine Tomato Raspberry Courgette Onion Corn on the
	Cabbage	onion	cob

Food miles

- If we're not eating fresh, seasonal food grown in the UK, the food has travelled from abroad to reach us.
- Food miles are clocked up by the fresh fruit and vegetables arriving by plane from across the globe.
- Then the fruit gets loaded in to lorries and driven across various parts of the country to supermarkets
- Then once on a shelf the products are then bought by people who then drive it back home.

Food miles are the measure of the distance a food travels from field to plate. This travel adds substantially to the Carbon Dioxide emissions that are contributing to climate change. The amount of food being flown into the UK doubled in the 1990s and is predicted to rise further each year. Consumers are also directly responsible for increased food miles. We now travel further for our shopping and use the car more often to do it.

Advantages of importing foods

- A wide range of foods are available in our shops all year round e.g. strawberries at Christmas.
- Less energy is used growing certain crops in poorer countries as there is no need for heating glasshouses etc. (less damage to the environment)

Disadvantages of importing foods

- Its harder to monitor food production standard and conditions for workers in countries far away.
- Taxes on imported foods means farmers in developing countries don't always receive a fair price for their foods.
- Food that has travelled a long distance is less fresh by the time it reaches the shelves
- People do not buy local produce as much so local UK farmers don't make as much money
- Increased road traffic as more food is being transported around the holiday
- There is increased used of fuel for the road transport plus the carbon dioxide emissions related
- The amount of food flown into the UK increases each year which means the UK is not self-sufficient
- Pressure to expand food production has led to the destruction of environments in some poorer countries
- Over 60% of household waste is a result of food packaging
- Fresh spinach looses over 90% of its vitamin C in the first 24 hours of harvest

Examples of imported foods

Pineapple, mango, tomatoes, celery, potatoes, bananas, nuts, sugar, chicken, lamb, beef, fish, oil, cocoa beans, grapes, tea, coffee, rice, soya bean, herbs, spices, olives, capers, avocado, cauliflower, broccoli



<u>Food packaging</u> Food is packaged to protect the product during transport and whilst sitting on shelves.

<u>Why is food labelling important?</u> Symbols on packaging show important information to customers.

Example exam questions: Seasonal produce and air miles

What are the advantage of buying locally produced, seasonal produce? (6 marks)

Explain the disadvantages of buying imported foods. (10 marks)

Explain the term 'air miles' (3 marks) Explain the term 'seasonal produce' (3 marks)

How might a restaurant use the fact they only use

Food packaging

Compare the two dishes and explain which dish is a healthier choice. Use the traffic light system to help you with your answer (6 marks). Why is it important to include a vegetarian symbol on food packaging of vegetarian products? (2 marks)

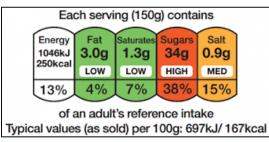
Packaging	

FAIRTRADE	FSC		British Fon Quality	\mathbf{V}
Giving farmers a fair price for their products.	Forest Stewardship Council - helping effectively manage forests.	Suitable for home freezing.	Eggs have been produced to the highest standards of food safety.	Vegetarian approved - free from animal products.
	TO STATUT		HALAL	RSPCA ASSURED
This product can be recycled.	A British organisation that promotes and regulates food quality.	Tidy man - do not litter.	Food which abides by the Islamic law. The Islamic way of slaughtering is cutting the throat and draining the blood.	An ethical food label - helping farm animals have a good life.

<u>Reference intake</u>

You'll see reference intakes referred to on food labels. They show you the maximum amount of calories and nutrients you should eat in a day. Most packaging has a colour coded label on the front to help you make healthy choices.

Reference in take amounts: Kcal (calories) - 2000 Total Fat -70g Saturated fat - 20g Sugar - 90g Salt - less that 6g



Red means HIGH in that nutrient Amber means MEDIUM in that nutrient Green means LOW in that nutrient

Reference intakes are not meant to be targets. They just give you a rough idea of how much energy you should be eating each day, and how much fat, sugar, salt and so on.

The percentages represent how much of your reference intake is in the product, e.g. the product has 3.0g of FAT in it, that is 4% of 70g of fat.





<u>Nutrients</u>

Macro nutrients – needed in <u>large</u> quantities in the diet. The three macro nutrients are: PROTEIN, CARHOHYDRATES, FAT Micro nutrients – needed in <u>small</u> quantities in the diet. The two micro nutrients are: VITAMINS, MINERALS

<u>Protein</u>

Proteins are made up of amino acids, often referred to as the 'building blocks' of the body. Non-essential amino acids can be made by the body, how ever, essential amino acids cant be made by the body and we must get from the food we eat.

High biological Value (HBV) proteins contain all the essential amino acids we need and generally come from animal sources. Low biological value (LBV) proteins are missing one of more essential amino acids and generally come from plant sources.

Food sources

<u>HBV</u> - beef, pork, lamb, poultry (chicken, turkey, duck), fish, cheese, butter milk

<u>LBV</u> – beans, chickpeas, lentils, peas, nuts, seeds, found in smaller amounts in some vegetables such as spinach and broccoli.

Function

Needed for growth from childhood to adulthood and the growth of nails, hair and muscle mass, repair of muscles, tissues and organs after illness or injury and to make enzymes for digestion and antibodies to stop us getting ill.

Example exam questions:

What are the two types of fat? (2 marks) Explain the difference between a HBV and LBV protein (6 marks)

Carbohydrates

There are two types of carbohydrates, complex and simple. They are also known as starchy (complex) and sugary (simple).

Food sources

<u>Starchy</u> - bread, rice, pasta, potatoes, bagels, oats, flour, cereal and some vegetables.

<u>Simple</u> - fruit, some vegetables, chocolate, sweets, biscuits, cakes

Function

Starchy/complex carbohydrates are digested slowly and provide long term energy.

Sugary/simple carbohydrates are digested slowly and provide short term energy

Dietary related health problems

Too much <u>sugar</u> can cause:

- 1. Weight gain (which can lead to obesity)
- 2. Tooth decay
- 3. Diabetes (your body cannot produce enough/any insulin to regulate your blood sugar levels)

Too much <u>salt</u> can cause:

1. High blood pressure (this can increase your risk of heart disease and a stroke).

Too much <u>saturated fat</u> can cause:

- 1. Weight gain (which can lead to obesity)
- 2. High cholesterol (this narrows arteries making it harder for the blood to travel around, putting you at risk of heart disease).

<u>Fat</u>

There are two types of fat, saturated and non saturated.

Saturated fats are classed as 'unhealthy fats', they are solid at room temperature and are generally animal based.

Unsaturated fats are classed as 'healthier fats' and are liquid or soft at room temperature and come from plant based sources.

Food sources

<u>Animal</u> -beef, chicken skin, processed meat (sausages, salami, pepperoni), bacon, butter, cheese, full fat milk

<u>Plant</u> - vegetable oils (sunflower, olive, rapeseed), avocado, nuts, seeds

Function

Keeps us warm (provides insulation), secondary source of energy, protects vital organs and bones.

Practical assessment 2: Tomato and basil quiche

<u>Ingredients</u> 100g plain flour 50g butter or margarine 2tbsp cold water 1 tomato Handful of basil leaves 2 eggs 125ml semi-skimmed milk 50g cheese

<u>Equipment</u> Bowl Weighing scales Spoon Jug Chopping board knife

<u>Skills</u> Weighing measuring Rubbing in method Seasoning



1. Pre-heat the oven to 180°C. Rub the butter and flour together until it resembles bread crumbs.



4. Mix the eggs, milk, mixed herbs and seasoning in a jug.



2. Add the water gradually until the pastry comes together into a ball.



3. Roll out the pastry and line your dish.



5. Pour the egg mixture into the pastry shell.



6. Slice the tomatoes and cheese and lay over the top of the tart. Bake in the oven for 30 minutes.

Lemon Drizzle Cupcakes

Ingredients

110g butter
110g sugar
110g self raising flour
2 eggs
Zest of ¹/₂ lemon
Drizzle:
Juice of 1 lemon
50g sugar

<u>Equipment</u>

Chopping board, knife, jug, grater, bowl, wooden spoon, cake tin, sieve, scales

<u>Skills</u>

Weighing

- 1. Beat butter and sugar until pale and creamy.
- 2. Whisk the eggs in a jug and add the egg little by little.
- 3. Sift in the flour and lemon zest and fold until combined.
- 4. Evenly divide your mixture between 6 cupcake cases.
- 5. Make the drizzle; mix sugar and the lemon juice.
- 6. When the cakes are ready, prick the top with cocktail stick and pour over the drizzle.

Meatballs

For the meatballs: 250g mince $\frac{1}{2}$ onion 2 tbsp breadcrumbs 1 egg



For the meatballs:

For the sauce: 1 can chopped tomatoes 1 garlic

 $\frac{1}{2}$ onion

1 tsp mixed herbs

1. Finely chop the onion and put in a bowl.



2. Add the egg, breadcrumbs and mince. Mix well with your hands.



3. Divide into even round shapes and place on a baking tray with a drizzle of oil. Cook for 20 minutes.

Optional 200g cooked pasta

<u>Equipment</u> Knife Chopping board Bowl Baking tray

<u>Skills</u> Weighing Chopping Seasoning Baking Frying



For the sauce:

4. finely chop the onion and garlic.





Serve with spaghetti and parmesan cheese on top.

6. Allow to simmer for 10 minutes. Stir through the meatballs when they are cooked.

Next lesson you will make a pasta dish of your choice.

tomato's and herbs.

5. Gently fry for a

few minutes. Then

add the can of

Ingredients

125g butter, softened
100g light brown soft sugar
125g caster sugar
1 egg, lightly beaten
225g self-raising flour
200g chocolate chips
1 orange

<u>Equipment</u> Weighing scales Bowl Spoon Baking tray jug

<u>Skills</u> Weighing Whisking Shaping Baking

Chocolate orange cookies



1. Pre-heat the oven to 190C. Weigh out the butter and the sugar.



2. Cream the butter and sugar together.



3. Mix the egg in a jug and add a little at a time to the butter mixture.



3. Add the flour and chocolate chips and orange zest. Mix well.



4. Split the mixture into12 even balls, 6 per tray.Bake for 10 minutes untilgolden on the edges andsoft in the middle.

You can change this recipe to make: -Chocolate orange cookies -Cranberry and white chocolate cookies -Peanut butter cookies



Year 8 Summer term Textiles – Making a textile product

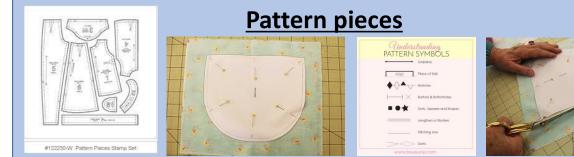
Making a textile product

Design brief Design a fabric monster that will be added to a CAM toy to keep a child entertained.

This half term you will be making a textile product from the design brief above. What will you need to consider when designing and making for a child? How will you know if your product is suitable?



Designers need to think about who will use the product, when and how?



Pattern pieces are usually made from paper and they are like stencils. They allow us to cut out exactly the same shape every time. They are pinned onto fabric and fabric scissors are used to around the paper pattern. Sometimes tailors chalk is used to draw around the pattern piece first then it is cut out

What is tailors chalk? When and why did you use it?

Pattern pieces have symbols on them to tell us to do certain things. Use this link to find out what the symbols mean: <u>https://www.createandcraft.com/gb/sewing-pattern-symbols</u> <u>https://www.youtube.com/watch?v=ioLMA3N230U</u> – click on this link to see fabric being marked and cut using a paper pattern.





Sewing a seam

For this project you will learn how to make a simple fabric product to go onto the top of your frame. You will use a paper pattern to draw around, tailors chalk to mark the lines, fabric scissors to cut the fabric and a sewing machine to permanently join your fabric. Your fabric monster will be attached to your CAM frame to make a moving toy.

How to make your textile part (this is in your

booklet too)

Step 1 Cut out your fabric using your paper pattern x2, one for the front and one for the back Step 2 Decorate the front and back pieces according to your design using the decorative skills you have learnt this year

Step 3 Cut out any additional pieces you need, for example for arms, legs, hair which will be added on, this may be made from felt.

Step 4 Pin fabric together, good sides facing, add any felt pieces inside and pin them

Step 5 Sew your pieces together on the sewing machine, checking you have selected the correct stitch and it is threaded properly. Leave a small hole.

Step 6 Check your seams are strong then turn your fabric the right way through the hole you have left.Step 7 Stuff your textile product and attach to your follower by sewing and glue gun.



https://www.instructables.com/how-to-sew-a-seam/ How to produce a seam on the sewing machine

https://www.youtube.com/watch?v=27aXDI6z6eo sewing 2 pieces of fabric together

<u>Careers using this knowledge</u>: Fashion designer, textile designer, tailor, pattern maker, upholsterer, material engineer.



Muscular Strength

'The maximum force, measured in kilograms (Kg) or newtons (N) that can be generated by a muscle or group of muscles'

Having good muscular strength also benefits your overall health. It can include better bone health, lower risk of injury and better cardiovascular fitness. It even promotes healthy body composition and mental health. As far as your athletic performance goes, increased muscular strength also offers multiple other benefits for your competitive advantage.

Muscular strength provides a great benefit in sports that require you to be as strong as possible without having a significant amount of muscle mass (*hypertrophy*). It is especially useful in situations that require acceleration, power and agility. Muscular strength is also needed in sports that rely on a single powerful execution, making it a great choice for court-based sports like tennis and badminton, water sports and track-and-field sports like athletics.

Laura Kenny

Anthony Joshua

Harry Kane









Roger Federer

Select one athlete from the picture on this page. Explain why these performers may need muscular endurance. 2. 3

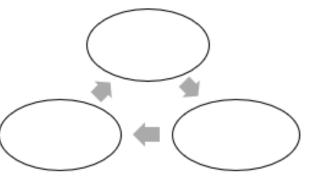
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It is important to understand that different sports and sports performers require different aspects of fitness. Many sports need the same types of physical and skill related fitness, however some are unique and require specific components.



Dina Asher-Smith is a British and World Champion sprinter. She needs to have great **muscular endurance** for her races as well as **speed**, **power and reaction time** to cover as much distance as possible, respond to the starter's pistol and move powerfully out of the blocks to get a good start. Her **muscular strength** is also essential to her performance.

Circuit training sessions could help Dina when she is training for her events. Research what circuit training is and plan 3 exercises Dina could attempt to help her to improve her Muscular strength.



Plyometric training – This training develops sport-specific explosive power and strength.

Weight training – Weight training is a form of interval training and involves using reps and sets of reps.

Key tests and workouts to improve muscular strength



A Grip Dynamometer can be used to measure muscular strength in a person's arm. Using 3 attempts, you should squeeze dynamometer and measure the strength in your grip.



Tricep dips can be used to improve strength in your upper body and arms. Try completing 10 tricep dips each morning before school.

8-10 Tricep Dips

Squats can help improve strength in the lower part of your body, including strengthening your quadriceps, hamstrings and gastrocnemius muscles. Try 20 each day.





Burpees can improve the strength in all areas of your body. They can strengthen the hamstrings, quadriceps, gluteus maximus, abdominals, biceps, triceps, pectorals and deltoids amongst other muscles. Try doing at least 10 per day.

Photosynthesis knowledge organiser

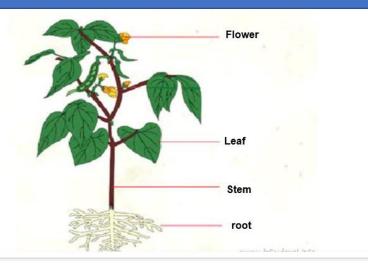
Key points

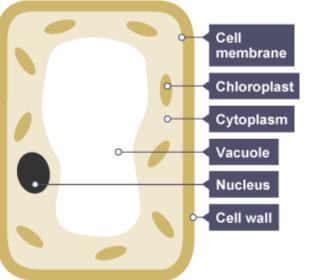
Photosynthesis is a process that occurs in the leaves of a plant and needs both chlorophyll and light energy.

During photosynthesis, the chlorophyll in leaves help convert carbon dioxide and water into the products oxygen and glucose.

The product glucose acts as a vital source of food for the plant.

Carbon dioxide, water and light are all needed for photosynthesis to take place.





What is photosynthesis? Photosynthesis takes place inside plant cells in small objects called chloroplasts. Chloroplasts contain a green substance called chlorophyll. This absorbs the light energy needed to make photosynthesis happen. Plants and algae can only carry out photosynthesis in the light.

Photosynthesis knowledge organiser

These are the things that plants need for photosynthesis:

•Carbon dioxide

•Water

•Light (a source of energy)

These are the things that plants make by photosynthesis:

•Glucose

•Oxygen

The word equation for photosynthesis in the presence of light and chlorophyll is:

Carbon dioxide + water → glucose + oxygen

Why is photosynthesis important?

Photosynthesis provides organisms with oxygen, a gas that many living things need. Oxygen is a product of photosynthesis and is needed for respiration. All organisms respire to release energy and to stay alive.

Uses of glucose

Glucose is a useful molecule that is made during the process of photosynthesis. The initial use for glucose, when broken down during respiration, is to release energy.

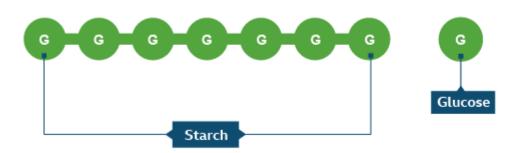
Plants only photosynthesise and synthesise glucose during the day when there is sunlight, but they use glucose for **respiration** all the time, including during the night.

Cellulose

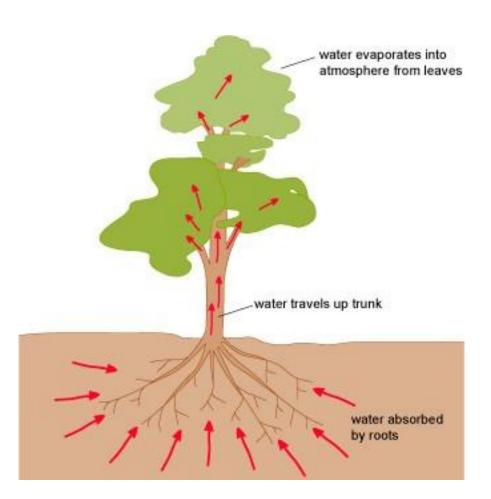
Glucose is used to make cellulose. Cellulose is an example of a natural polymer. Cellulose is the main component found in plant cell walls and this gives the plant cell strength and

Starch

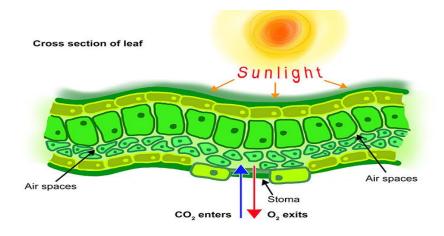
Other uses of glucose produced from photosynthesis is to make the insoluble storage molecule starch. Most plants including rice, potatoes and wheat store their energy as starch. Starch is also a polymer and can be converted back to glucose by the plant when it is needed, for example at night for respiration.

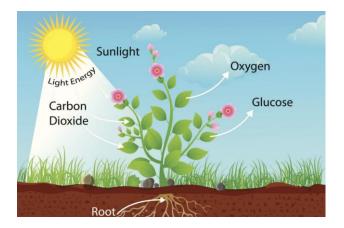


PLANTS ALSO MAKE FATS AND PROTEINS WITH GLUCOSE



Xylem transports water and mineral salts from the roots up to other parts of the plant,





Carbon dioxide diffuses into the leaves of the plant through the stomata It moves from an area of high to an area of low concentration

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YEAR 8 REACTIVITY SERIES & DISPLACEMENT REACTIONS

Metals and acids Acids react with some metals to produce a salt and hydrogen gas.

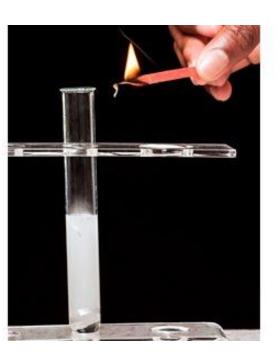
Metal + acid \rightarrow salt + hydrogen

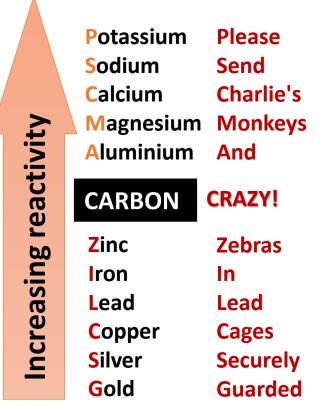
The abbreviation M.A.S.H. can be used to remember this general reaction.

When a metal is put in acid, it gets smaller and smaller as it gets used up in the chemical reaction.

At the same time, bubbles of gas can be seen. The bubbles produced in the reaction are hydrogen gas.

This can be proven using a burning splint because hydrogen is flammable. When the burning splint is put into the test tube containing hydrogen gas, a small explosion occurs, making a squeaky pop sound. This shows that hydrogen is present.





THE REACTIVITY SERIES (reactivity league table)

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YEAR 8 REACTIVITY SERIES & DISPLACEMENT REACTIONS

Increasing reactivity

PotassiumPleaseSodiumSendCalciumCharlie'sMagnesiumMonkeysAluminiumAnd

CARBON	CRAZY!
Zinc	Zebras
Iron	In
Lead	Lead
Copper	Cages
S ilver	Securely
Gold	Guarded

The reactivity of a metal determines the method of extraction. Metals above carbon must be extracted using electrolysis. Metals below carbon can be extracted by reduction using carbon, coke, or charcoal. Gold and silver do not need to be extracted. They occur native (naturally).

	Reactions with water	Reactions with acid
Group 1 metals	Reactions get more vigorous as you go down the group	Reactions get more vigorous as you go down the group
Group 2 metals	Do not react with water	Observable reactions include fizzing and temperature increases
Zinc, iron and copper	Do not react with water	Zinc and iron react slowly with acid. Copper does not react with acid.

You can investigate the reactivity of metals using displacement reactions. The table shows the results from a series of experiments involving four metals and solutions of their salts. A tick shows where there is a visible reaction and a cross shows where there is no visible reaction.

	Magnesium	Zinc	Iron	Copper
Magnesium sulfate	x	X	X	x
Zinc sulfate	✓	X	X	X
Iron sulfate	~	✓	X	X
Copper sulfate	~	~	~	X
Reactions seen	3	2	1	0

Displacement reactions
Displacement reactions involve a metal and a compound of a different metal. In a displacement reaction:
a more reactive metal will displace a less reactive
metal from its compounds Displacement reactions are easily seen when a salt of the less reactive metal is in the solution. During the reaction:
the more reactive metal gradually disappears as it forms a solution
the less reactive metal coats the surface of the

Magnesium + copper sulphate \longrightarrow magnesium sulphate + copper



YEAR 8 REACTIVITY SERIES & DISPLACEMENT REACTIONS

Extracting iron and copper

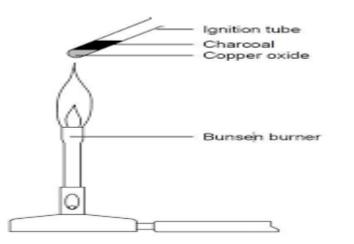
Ores

Unreactivemetals such as gold are found in the Earth's **crust** as the uncombined **elements**. However, most metals are found combined with other elements to form **compounds**.

Most metals are extracted from **ore** found in the Earth's crust. An ore is a rock that contains enough of a metal or a metal compound to make extracting the metal worthwhile.

Extraction methods

The **extraction** method used depends upon the metal's position in the **reactivity series**.



Extracting iron

Iron(III) oxide is reduced to molten iron when it reacts with carbon. One of the products is carbon monoxide:

iron(III) oxide + carbon \rightarrow iron + carbon monoxide Fe₂O₃(s) + 3C(s) \rightarrow 2Fe(I) + 3CO(g)

This method of extraction works because carbon is more reactive than iron, so it can **displace** iron from iron compounds. Extracting a metal by heating with carbon is cheaper than using electrolysis.

If a metal is less **reactive** than carbon, it can be extracted from its compounds by heating with carbon. Copper is an example of this. Copper mostly occurs as sulfide ores, which are heated in air to convert them to copper(II) oxide. **Molten** copper can be produced from copper oxide by heating with carbon: Copper oxide + carbon \rightarrow copper + carbon dioxide $2CuO(s) + C(s) \rightarrow 2Cu(I) + CO_2(g)$ Copper oxide is **reduced** as carbon is **oxidised**, so this is an example of a **redox** reaction.

FORCES AND MOTION

	Unbalanced forces	
Balanced forces		
When two forces acting on an object are equal in size but act in opposite directions, we say that they are <u>balanced forces</u> . If the forces on an object are balanced (or if there are no forces acting on it), this is what happens: •a stationary object stays still •a moving object continues to move at the same speed and in the same direction Remember that an object can be moving, even if there are no forces acting on it.	 When two forces acting on an object are not equal in size, we say that they are unbalanced forces. The overall force acting on the object is called the <u>resultant force</u>. If the forces are balanced, the resultant force is zero. If the forces on an object are unbalanced, this is what happens: •a stationary object starts to move in the direction of the resultant force •a moving object changes speed (accelerates or decelerates) and/or direction in the direction of the resultant force 	
Pull of the rope 5,000 N	In the example below, the resultant force is the difference between the two forces: 100 – 60 = 40 N (to the right)	
Rope	Truck speeds up in this direction	

Weight of the crate 5,000 N





Forces and motion

Speed, distance and time

Distance is how far an object moves.. **Speed** is the **rate of change** of distance - it is the distance travelled per unit time

Speed (m/s) = distance (m) ÷ time (s)

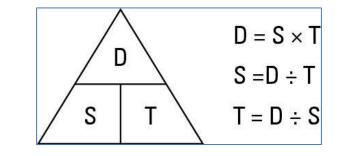
Distance = Speed x time

Time = Distance \div speed

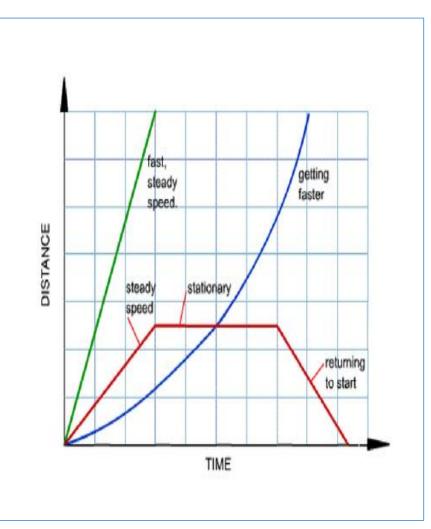
speed = distance/time

distance = speed x time

Average speed is distance divided by time.

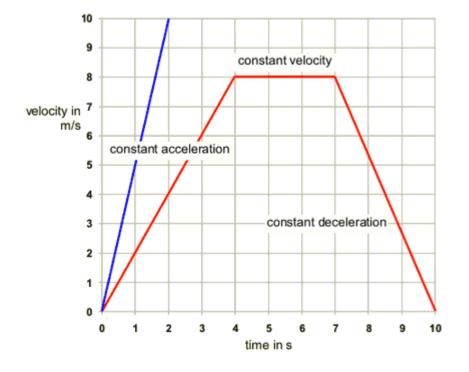


Distance-time graphs. If an object moves along a straight line, the distance travelled can be represented by a distance-time graph. In a distance-time graph, the gradient of the line is equal to the speed of the object. The greater the gradient (and the steeper the line) the faster the object is moving.



Distance-time graphs

Speed-time graphs (extension)



When speed is increasing we say it is accelerating. We measure acceleration in m/s^{2.} The steeper the gradient, the bigger the acceleration. As the line is straight, it is a constant acceleration. If the line is horizontal the object is travelling at a constant speed

Knowledge Organiser: Year 8 Summer Term 1 The internet Summary Key Vocabulary The internet is a network of billions of devices that allows you to access resources and connect with other people on our planet. We are getting close to 8 billion people on planet Earth, each human has one or more internet enabled Big Data Lots of data produced from online activity devices . The world of the internet is always active and never takes a break. This allows you to complete assignments, research and homework at any time that suits you, on many devices. The world of internet never sleeps. How does the internet work? Its a large number of computers that are in a network all over the world. It relies upon the wire, physical cables under Http Tells the computer to use the hyper text our city streets and the cables on the ocean floors and wireless. Wireless examples include satellites in orbit around transfer protocol for communicating with the our planet and Wifi/3G/4G/5G -that makes this communication possible. website Computers need a set of rules to have a chat, they are not as smart as humans. Anyon e using smart speaker or voicecontrolled personal assistant such as Alexa will know the frustrations The rules computers use to speak to each are The internet is a global network of Internet named protocols. computers. Careers include Cloud Computing Engineer, Computer Network Specialist, Information Security Specialist, Computer Support Specialist, Software/Application Developer, Games Designer and Web Developer Internet of Things Devices that connect to the internet **I**oT Internet Services Smart Devices Protocol A set of rules or procedures for transmitting A smart device is an electronic device, generally Internet Services allows us to access huge amount of infordata between electronic devices mation such as text, graphics, sound and software over the connected to other devices or networks via different wireless protocols such as Bluetooth, NFC, Wi-Smart Devices A device that is connected using different protocols such as Bluetooth and Wi-Fi., URL A website's address .Each address contains You Tube STADIA the prefix 'http:' which tells the computer to use the hyper text transfer protocol for communicating with the website. Internet of Things (IoT) World Wide Web World Wide Web is the part of the internet that can be accessed through websites IoT is short for Internet of Things. The Internet of Things refers to the ever-growing network of physical objects that feature an IP address for internet connectivity, and the communication that occurs between these objects and other **Big Data** Internet-enabled devices and systems. Big data is very large sets of data that HTML are produced by people using the internet, and that hey make the World Wide Web work! can only be stored, understood, and used with http://bit.lv/2KLZ1I5 the help of special tools and methods: Supermarkets use big data to track user behaviour and target cus (CLE) tomers with things they like. KEEP BBC CALM

Bitesize

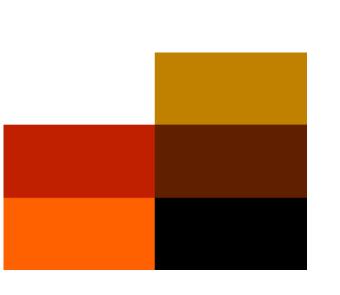
GO PRACTICE







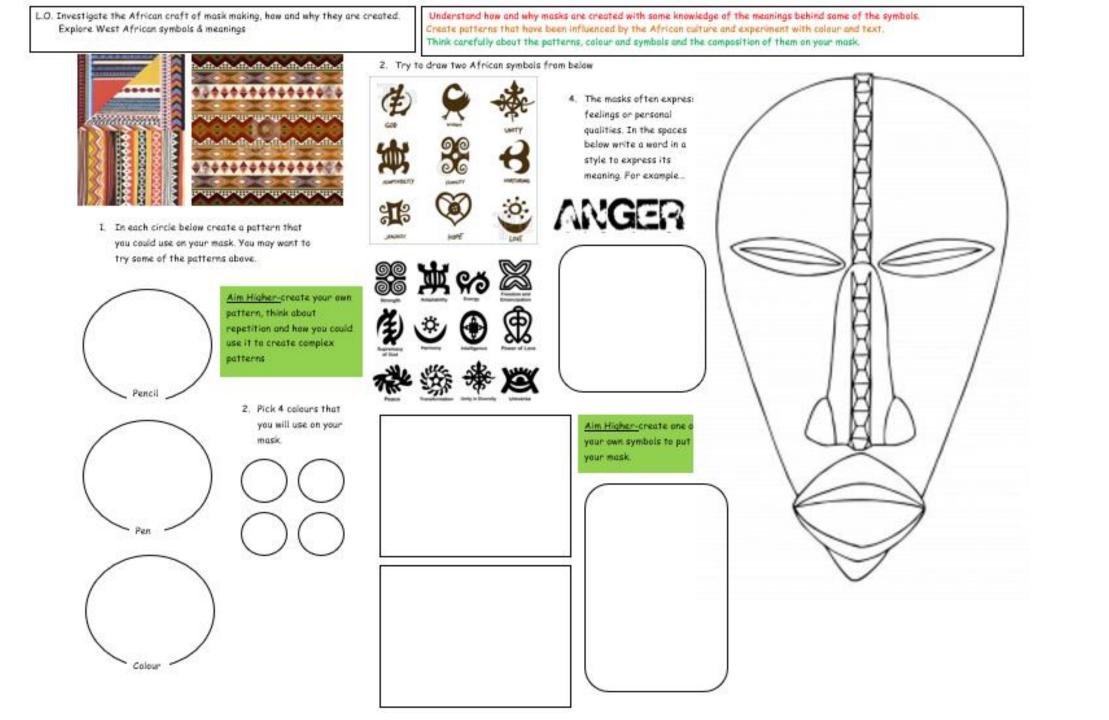
African mask inspiration













Topics covered

- \checkmark Weather types
- \checkmark Weather vs Climate
- \checkmark Measuring weather
- Rainfall and cloud types
- ✓ High and Low pressures
- Changing weather/fronts
- ✓ Atlantic storms
- Climate and climate change
- \checkmark Global climates

Designed by KMU for Open Academy 2019

Year 8 Knowledge organiser: <u>Weather and Climate</u>

Key Ideas:

- 1. I can describe weather in different places
- 2. I can explain the main causes of different weather and climate
- 3. I can measure/interpret weather and climate data
- 4. I can explain how rainfall, air pressure and air masses vary
- 5. I can explain what happens in Atlantic storms

Skills

- □ To interpret weather maps and symbols
- □ To use digital mapping to investigate Atlantic
- Storms/Hurricanes
- $\hfill\square$ To analyse a range of climate data to
- describe climate variation
- To construct/ be familiar with weather measurement techniques
- □ To write a detailed piece of extended writing

Places and Environments

- Plymouth
 Newcastle
- ✤ The Lake District
- * Wales
- * UK
- ♦ Russia
- ✤ Egypt



Key Terms Used in this Unit

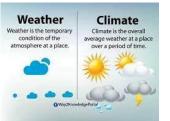
Water vapour
Climate
Troposphere
Precipitation
Humidity
Meteorologist
Centigrade
Okta's
Barometer
Anemometer
Convectional rainfall
Relief Rainfall
Erontal Rainfall

- □ Cumulus
- □ Stratus
- □ Cirrus
- □ Warm front
- **Cold** front
- Depression
- Prevailing Wind



Weather forecasting What does a weather forecast tell us?

Can you list 5 groups of people who depend on the weather forecast?



How has the weather been over the last week?

Make a note of the weather changes you have seen:

Sunlight hours/Rainfall/Cloud cover/Wind speeds



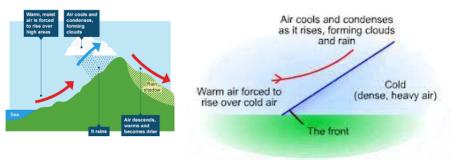
The world is separated into different climate zones Which climate zone is the UK in?

Why do you think the zones are in horizontal bands?

Rainfall - The UK gets a lot of it! We are very close to the Atlantic Ocean compared to other parts of Europe. We are also at a junction where cold air from the North meets warmer air from the south.

This means we have weather 'fronts' or boundaries where they meet and leads to rain. Where air is forced up over mountains we get 'relief' rainfall.

Can you name places in the UK that would get more 'relief' rainfall?

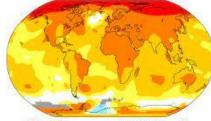




ing winds HIGH PRESSURI LOW PRESSURE ANTICYCLONE CYCLONE

Storms - At certain times we get powerful storms off of the Atlantic. Do you remember when a storm occurred? A 4 4 16 2 What damage did this cause?

Temperature change in the last 50 years



2011-2021 average vs 1956-1976 baseline -1.0 -0.5 -0.2 +0.2 +0.5 +1.0 +2.0 +4.0 °C

Our global climate is changing as greenhouse gases continue to rise.

The world is gradually warming.

How could this affect people and the environment?

Weather recording instruments vary. How could you design and make a home made rain gauge?







Module 1: Ich liebe Ferien! (I love holidays!)

Here is the vocabulary you will need for Stimmt 2, Module 1.

You can hear the German by clicking on the Soundfile links on the electronic version of this Knowledge Organiser.

Früher und heute • Then and today

Die Stadt ist/war
alt/modern
klein/groß
schön/industriell
historisch/touristisch
laut/ruhig
Die Stadt hat/hatte
Es gibt/gab
einen Strand
einen Marktplatz
einen Olympiapark
einen Hafen
eine Arena
eine Skatehalle
ein Einkaufszentrum
ein Stadion

The town is/was ... old/modern small/big beautiful/industrial historic/touristy noisy/quiet The town has/had... There is/was... a beach a town square an Olympic park a harbour an arena a skate hall a shopping centre a stadium



In this Module you will learn how to:

- compare places in the past and now
- talk about what you did on holiday
- talk about how you travelled
- talk about the weather
- talk about holidays
- talk about problems on holiday

Wo hast du gewohnt?

• Where did you stay?

Ich habe gewohnt.	Istayed
in einem Hotel	in a hotel
in einem Ferienhaus	in a holiday house
in einem Wohnwagen	in a caravan
in einer Jugendherberge	in a youth hostel
auf einem Campingplatz	on a campsite
bei Freunden	with friends





I/We ...

Was hast du gemacht?

What did you do?

I did a lot of things.

Ich habe viele Sachen gemacht. Ich habe/Wir haben ... Musik gehört. Volleyball gespielt. einen Bootsausflug gemacht. viele Souvenirs gekauft. viel Fisch gegessen. die Kirche gesehen. ein Buch gelesen. Ich bin zu Hause geblieben.

listened to music. played volleyball. did a boat trip. bought lots of souvenirs. ate lots of fish. saw the church. read a book. I stayed at home.

Soundfile

German



Wohin bist du gefahren? • Where did you travel to?

Soundfile

Ich bin ... gefahren. nach Deutschland nach Wien

I travelled ...

to Germany to Vienna

Wie bist du gefahren? How did you travel? I travelled ...

Ich bin ... gefahren. mit dem Auto by car mit dem Reisebus by coach mit dem Schiff by boat Ich bin geflogen. I flew. Ich bin zu Fuß gegangen. I walked.

Soundfile



www.textivate.com Username: openacademy Password: surname700 Go to 'my resourses' to find your work.

Mit wem bist du gefahren? • Who did you travel with?

Ich bin ... gefahren. mit meiner Familie mit Freunden

I travelled ... with my family with friends







Was hast du noch gemacht? • What else did you do?

Ich bin gegangen.	lwent
an den Strand	to the beach
in die Stadt	into town
windsurfen	windsurfing
kitesurfen	kite surfing
schwimmen	swimming
Ich bin gefahren.	l went
Wakeboard	wakeboarding
Snowboard	snowboarding
Ski	skiing
Banane	banana boating
Ich habe Snowtubing gemacht.	I went snowtubing.
Ich habe Eistennis gespielt.	l played ice tennis.

Oft benutzte Wörter

Off Definitizie Wolften		
	 High-frequency words 	
nur	only	
dort	there	
zu	too	
nicht	not	
gar nicht	not at all	
sehr	very	
ungefähr	approximately	
viel	a lot	
viele	lots, many	

German

Soundfile

Wie ist/war das Wetter? • How is/was the weather? Es ist/war ... lt is/was ... sonnig sunny kalt cold heiß hot wolkig cloudy windig windy neblig foggy Es regnet. It is raining./It rains. Es schneit. It is snowing./It snows. There is thunder and Es donnert und blitzt. lightning.



Wann war das? • When was that?

in den Ferienin the holidaysim Sommer/Winterin summer/winterletzten Sommer/Winterlast summer/winterheutetodaygesternyesterdayfrüherthen, previously

Soundfile

Strategie 1

Partnerarbeit

Two heads are often better than one when it comes to learning vocabulary. Working with someone else helps you to concentrate for longer and makes learning fun. Here are some activities to try with a partner:

- Play word association. Your partner says a word from Chapter 1 and you say a word that is related to it in some way. Be prepared to justify your thinking!
 - Winter
 - Es schneit.
- Play hangman or pictionary with the words from these *Wörter* pages.
- Beginnings and endings. Your partner says a word and your next word must start with the final letter of his/her word. Make the longest words you can!
- war
- ruhig
- Syllables. Say the first syllable of a word with two or more syllables. Your partner has to finish the word.
 Make the longest chain of words you can!
- win...
- ... dig
- Tandem testing. Take a section of words from these Wörter pages and test your partner. Begin by testing German into English and then say the English and ask for the German.

Look at page 132 to remind yourself of the five *Strategien* you learned in *Stimmt! 1.*

Read the Strategy Box for ideas on learning German vocabulary.



Year 8 History: Democracy and the Suffrage Movement

	Britain prides itself in being a DEMOCRACY . This means people have an equal say in who		Timelin	
	runs the country and how. But in the 1800s it meant something very different to today	1897		
	The people were not equally represented through enough CONSTITUENCIES			
	To vote you had to be over 21, own property and MALE (only 3% of men could vote)	1905		
		1908		
	Voting was not anonymous			
	GENERAL ELECTIONS were held every 7 YEARS		ł	
	The Chartists are an example of a campaign group that tried to change this:	1909		
	This was a working-class movement, which emerged in 1836 and was most active between		Ī	
	1838 and 1848. The aim of the Chertists was to gain political rights and influence for the	1913		
	working classes.			
	Chartists argued more men should be able to vote.,			
	MPs should be paid, secret ballot, annual elections,	1913	Î	
	equal-sized electoral districts. They organised huge			
	A State of the second antitions to Parliament in the 4040s			

MPs should be paid, secret ballot, annual election equal-sized electoral districts. They organised hur rallies and petitions to Parliament in the 1840s. Although there was a Chartist riot in Newport in 1839, Britain avoided the revolutions that swept Europe in 1848. Most of the Chartists demands eventually became law.

Emmeline Pankhurst - WSPU

Led the WSPU from October 1903. Took more militent action such as windows smashing, erson and hunger strikes. Arrested numerous times, went on hunger strike and was force fed. Died in 1928.

Christabel Pankhurst – WSPU

Became a speaker for the WSPU in 1905. She trained as a lawyer but could not practice as woman. Arrested with her mother. Fled England in 1912 for fear of being arrested again. Unsuccessfully ran for Parliament in 1918.

e of Key Events NUWSS formed. Millicent Fawcett is leader. WSPU formed by Emmeline Pankhurst and daughters. Militant Campaign begins Mass rally in London - 300,000 to 500,000 activists attend. Window smashing using stones with written pleas on them. Hunger strike and force feeding starts - Marian Wallace Dunlop becomes the first hunger striker. Militant bomb and arson campaigns and increasing arrests which results in the passing of the "Cat and Mouse" Act.: hunger strikers temporarily released then rearrested to prevent dying in police custody Emily Wilding Davison attempts to pin a Suffragette scarf onto the King's Horse at the Derby. She is struck by the horse and dies 4 days later. WW1 starts - Suffragette leaders urge women to 1914 join the war effort. NUWSS continues to campaign for recognition for their work. The <u>Representation of the People Act</u> is passed, 1918 allowing men over 21 and women over 30 to vote.

Emily Wilding Davison - WSPU Millicent Fawcett - NUWSS

Joined WSPU in 1906. Became a suffragette full time. Frequently arrested for number of crimes inc. setting fire to post box. By 1911, become increasingly militent. Leading suffregist and led NUWSS. Played a key role in getting women the vote. Dedicated to using constitutional means, and argued that militancy was counterproductive.

Year 8 History: WW1

Timeline of Key Events		
28 June 1914	Assassination of Arch-Duke Franz Ferdinand	
4 August	pust Britain declares war on Germany	
August to	Germany's Schlieffen Plan fails to defeat	
December	France and Britain quickly; system of	
1914	trenches is dug from Switzerland to the	
	English Channel: STALEMATE	
April 1915	Second Battle of Ypres - poison gas used	
	for the first time	
31 May-1	Battle of Jutland - the only major sea	
June 1916	battle of the war proves inconclusive	
1 July - Nov	lev Battle of the Somme	
6 April 1917	April 1917 USA declares war on Germany	
March 1918	Russia signs the Treaty of Brest Litovsk with	
	Germany after the Bolshevik Revolution	
9 Nov 1918	Kaiser Wilhelm abdicates	
11 Nov 1918	Germany signs armistice, ending the war	

Why did British men join up in 1914?		
Patriotism	British men were brought up to love their	
	King and country	
Social	Fear of being called a coward or being given	
pressure	a white feather by a woman	
Sense of	Many British men had never travelled abroad	
edventure	– this was a chance to see the world!	
Propaganda	British propaganda posters used very	
	persuasive techniques	
Belief in a	Many men thought that the war would be	
auick victory	'over by Christmas	

Long-Term Causes of World War One

Militeriem – the arms race between Britain and Germany to build Dreadnaughts resulted in increasing tension and conflict between them

Alliences – the Triple Alliance (Germany, Austria-Hungary and Italy) and Triple Entente (Britain, France and Russia) had agreed to support each other in a war Imperielism – Britain and France had large empires overseas. Germany wanted an empire too, but most of the available land had already been taken, resulting in tension between the 'great powers'

Short-Term Causes of World War One:

Assassination of Franz Ferdinand – Serbian nationalist Gavrilo Princip shot and killed the heir to the Austro-Hungarian throne, along with his wife, while was visiting Sarajevo. This caused Austria to declare war on Serbia, which led to Russia attacking Austria and a domino effect of other nations joining in...





Which new weapons helped Britain to win the war? Tanks: First used in 1916, they broke through German defence's and sheltered British troops in getting across NO MANS LAND Poison gas: Although cruel and at the mercy of the weather, it instilled fear

into soldiers on both sides

Airplanes: Very useful for reconnaissance and bombing / preventing bombing raids

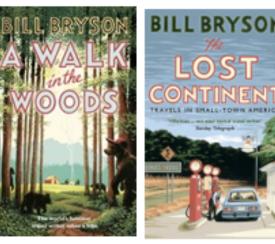
Artillery: Forced Germans to remain in their shelters while the British advanced

۵ Augment Activity: starting point. Draw your timeline b timeline of Try to find sources with other events. events that link to each S Ď the during ta ble the of event. war. key events as



Why did Germany surrender in November 1918? <u>American entry</u> into the war, <u>Failed German/Ludendorff offensive</u>, German <u>civilians starving</u> due to the <u>Allied Blockade</u> of German ports. This all put pressure on the Kaiser to surrender.

Recommended Reading



Key terms and spellings		
Cynicism	Article	
Sarcasm	Blog	
Irony	Colloquial	
Bathos	Landscape	
Anecdote	Synonym	
Humour	Atmospheric	

Sentence types Simple - one main clause Compound - two main clauses joined together by a connective, such as 'and' Complex - a sentence containing a main clause and at least one subordinate clause Fragment - a sentence that is incomplete on its own, but can create an impact e.g. Silence.

TIPTOP (paragraphs)

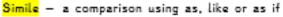
Ti – is for Time

P - is for Place

To - is for Topic

P - is for Person (a new speaker)

Linguistic devices



Metaphor - a comparison, but more literal than a simile (no words such as 'as', 'like' or 'as if')

Personification - bringing an inanimate object, like a tree, to life e.g. "the trees danced in the wind"

Alliteration – the same sound at the beginning of each word e.g. slithering silky snakes

Lists - a number of items or reasons, often used to emphasise

Structure - shifts (a change in time, place, person, topic, idea or a change from narrative to dialogue or description); zooms (zooming in on details and giving an in-depth description for the reader); Sentencing and paragraphing for effect (using sentence types to change the pace and impact on the reader's emotions); links and connections (ideas or images that remind the reader of the importance of something).

Teska

- Write about a place you would love to visit. What have you learned about it that has made you want to go? Describe the scenery and any other aspects of the place to tell me why it is so wonderful. Try to use a range of vocabulary to help communicate your thoughts, feelings and the way the place looks, smells, sounds and feels.
- Write a poem about a place you have visited. Consider the feelings you had whilst you were there, as well as the place itself. You should try to incorporate sensory language, as poems are about making the reader or listener feel something about a topic through imagery and sound.
- Create a leaflet or brochure for a theme park or resort. Use images and persuasive language to encourage them to come to the place. Use headings and subheadings to make the reader interested and entertained.
- Read the extract on the next page and highlight where the writer has used effective vocabulary and linguistic devices to bring the place to life for the reader.
- Using the same extract, annotate for structural devices that impact on the reader. Use the box at the bottom of the first page to help you to identify these.
- 6. Use the work you have done in tasks 4 and 5 to write an analysis of the effects of the writer's language and structure choices on the reader and explain why they are effective. Use auotes to support your points. Use paragraphs and aim higher by making links between each of them.
- Read the extract on page 3. How does the writer use different forms of humour to entertain the reader? Write to explain, using auotes and naming the specific type of humour that the writer has used (the box at the top of the page will help you to do this).
- Write your own humourous account of a place you have visited. Try to use as many of the types of humour you have learnt from task 7 as you can.
- If you can get online, use this link and explore the blog. What makes the blog visually appealing? What types of things does the blogger write about? Consider and answer these questions in writing. https://www.alexinwanderland.com/
- 10. Create your own blog. You could write about Norwich. Or, if you have access to the internet, you could write it about another 1-2 countries you research. Remember to write as if you are there or have been there recently and remember that your audience will want to know what it would be like for them to visit and to be given some advice on how to navigate the place, understand its culture and know where to go/what to look at. You could also write about the people, attractions and the food.

A Walk in the Woods

Bill Bryson

We hiked till five and camped beside a tranauil spring in a small, grassy clearing in the trees just off the trail. Because it was our first day back on the trail, we were flush for food, including perishables like cheese and bread that had to be eaten before they went off or were shaken to bits in our packs, so we rather gorged ourselves, then sat around chatting idly until persistent and numerous midge-like creatures (no-see-ums, as they are universally known along the trail) drove us into our tents. It was perfect sleeping weather, cool enough to need a bag but warm enough that you could sleep in your underwear, and I was looking forward to a long night's snooze - indeed was enjoying a long night's snooze - when, at some indeterminate dark hour, there was a sound nearby that made my eyes fly open. Normally, I slept through everything - through thunderstorms, through Katz's snoring and noisy midnight pees - so something big enough or distinctive enough to wake me was unusual. There was a sound of undergrowth being disturbed - a click of breaking branches, a weighty pushing through low foliage - and then a kind of large, vaguely irritable snuffling noise.

Bearl

I sat bolt upright. Instantly every neuron in my brain was awake and dashing around frantically, like ants when you disturb their nest. I reached instinctively for my knife, then realised I had left it in my pack, just outside the tent. Nocturnal defence had ceased to be a concern after many successive nights of transuil woodland repose. There was another noise, ouite near.



The Lost Continent

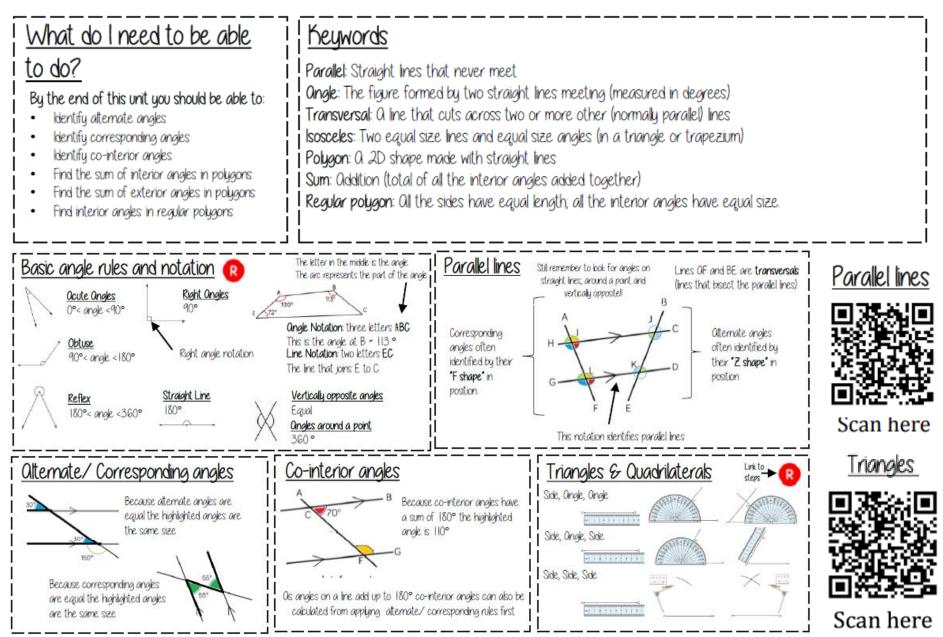
Bill Bryson

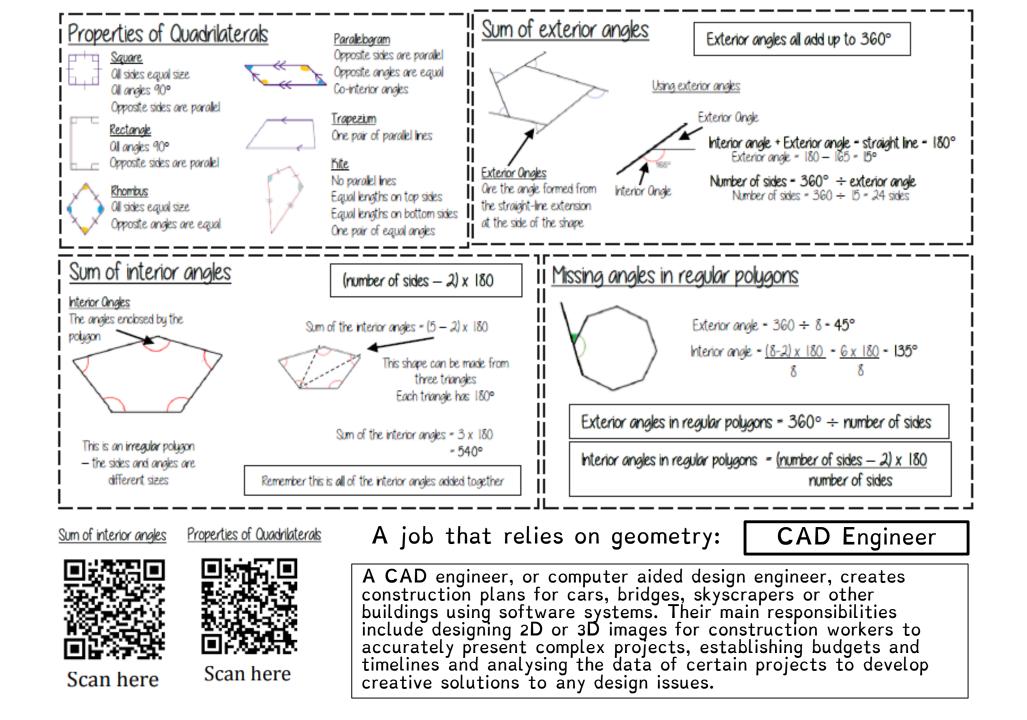
Cyniciam - seeing the worst in someone or something; to be cynical	Ireny - the expression of one's meaning by using language that
is the opposite of looking at things positively.	normally signifies the opposite, typically for humorous or emphatic
	(clear and forcible expression) effect.
Bethes - anticlimax created by an unintentional lapse in mood from	Sercesm - to mock or convey contempt (looking down at someone
the sublime (excellence) to the trivial (small and unimportant) or	or something).
ridiculous.	

I had to drive to Minneapolis once, and I went on a back road just to see the country. But there was nothing to see. It's just flat and hot, and full of corn and soya beans and hogs. Every once in a while, you come across a farm or some dead little town where the liveliest thing is the flies. I remember one long, shimmering stretch where I could see a couple of miles down the highway and there was a brown dot beside the road. As I got closer I saw it was a man sitting on a box by his front yard, in some six-house town with a name like Spigot or Urinal, watching my approach with inordinate interest. He watched me zip past and in the rear-view mirror I could see him still watching me going on down the road until at last I disappeared into a heat haze. The whole thing must have taken about five minutes. I wouldn't be surprised if even now he thinks of me from time to time.

He was wearing a baseball cap. You can always spot an lowa man because he is wearing a baseball cap advertising John Deere or a feed company, and because the back of his neck has been lasered into deep crevasses by years of driving a John Deere tractor back and forth in a blazing sun. (This does not do his mind a whole lot of good either.) His other distinguishing feature is that he looks ridiculous when he takes off his shirt because his neck and arms are chocolate brown and his torso is as white as a sow's belly. In Iowa it is called a farmer's tan and it is, I believe, a badge of distinction.

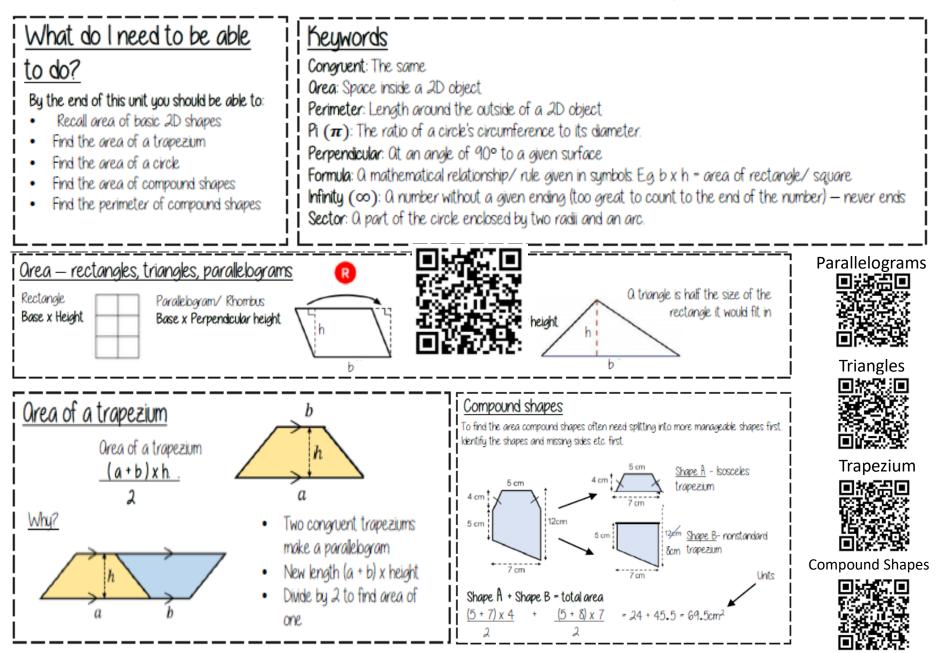
YEAR 8 - DEVELOPING GEOMETRY... Ongles in parallel lines and polygons

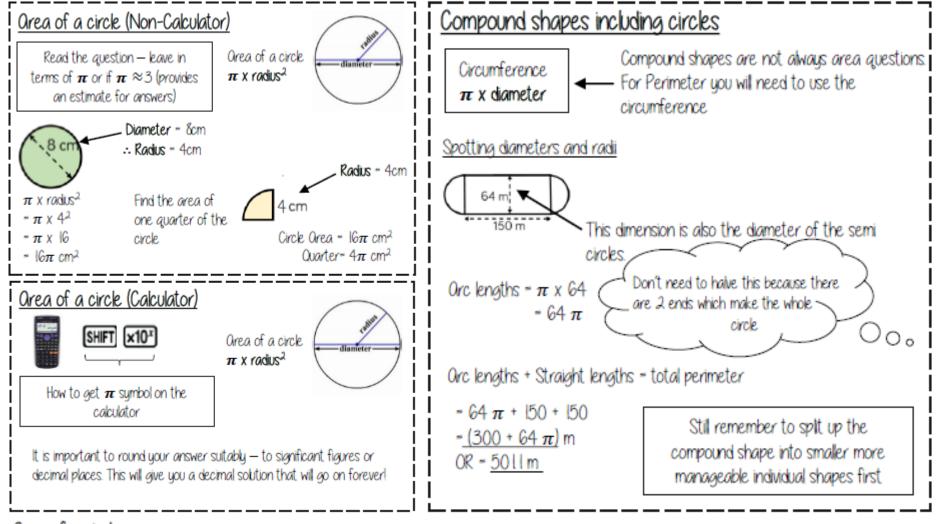




YEAR & - DEVELOPING GEOMETRY...

Orea of trapezia and Circles





<u>Orea of a circle</u>

A job that relies on geometry:

Interior Designer

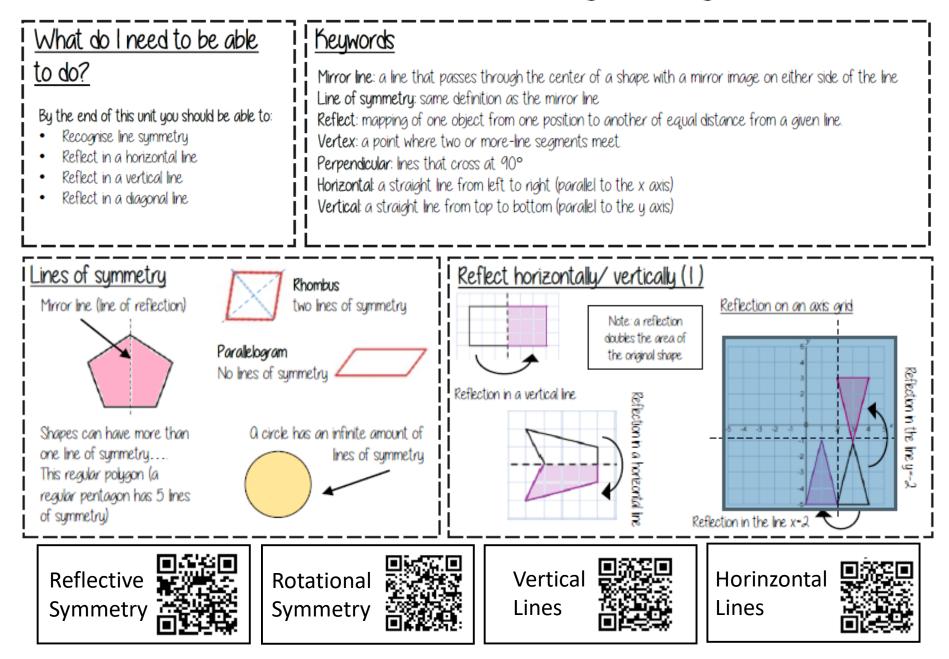


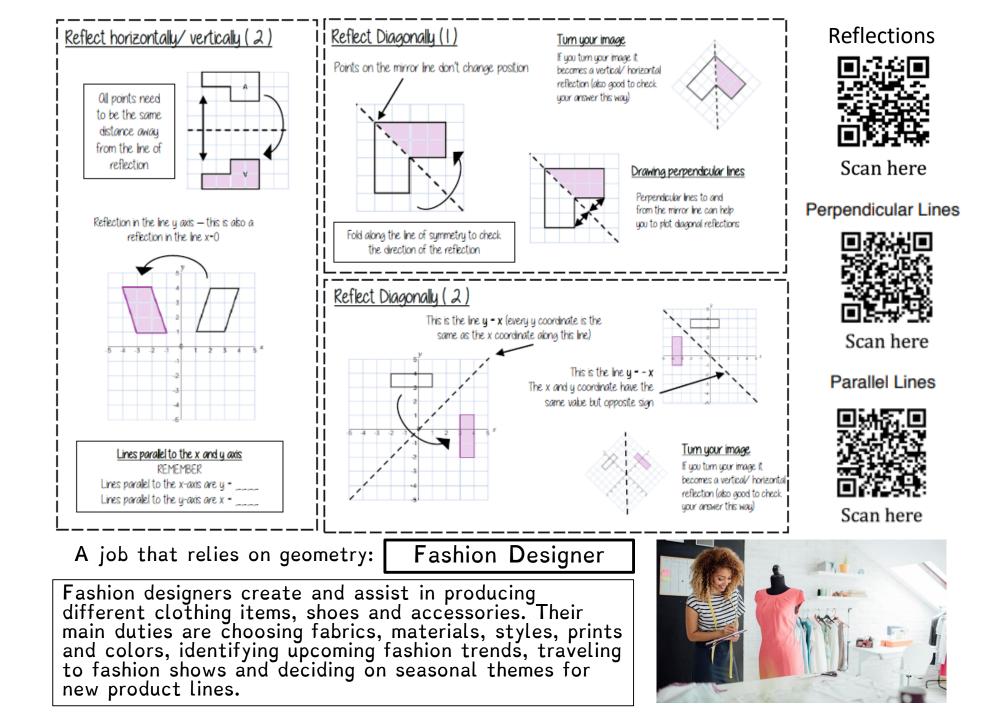
Scan here

An interior designer builds plans for living or working spaces from start to finish. Their main duties include sketching design plans according to clients' needs, goals and preferences, sourcing products or materials to use in the space, deciding on prices to complete projects and using computer applications to conduct the design process.



YEAR 8 - DEVELOPING GEOMETRY... Line symmetry and reflection





Year 8 RS: What does it mean to have a

Key words	
Good	To please and be kind.
Evil	Immoral and wicked.
Freedom	The right to act, speak or think as one wants.
Ethics	Moral principles that govern a person's behaviour.
Scripture	Sacred writings of a religion.
Virtue	Behaviour showing high moral standards
Liberal	To be favourable or respectful to individual rights and freedoms

You're only here once, right? You need to live each day as if it's your last. Make the most of every moment and enjoy yourself. Life is too short to be filled with regret, so my plan is to have as much fun and as many laughs as I possibly canIII

Life is what you make it! I focus on trying to be the best person that I can possibly be. You never know what is around the corner, but if anything sudden ever happened, I would want to know that I'd made a positive impact on the world and that people thought good things about me because you are only here once.

Life is all about give and take, supporting each other in your community. It's important to help and take care of those around you. Buddhism- What is a good Life.

The Buddha was born in Lumbini, in India, in 583 BC. Before he became the Buddha he was known as Prince Siddhartha Gautama.

Before he was born, Gautama's mother — Queen Maya — had a dream that a white elephant entered her womb. Ten months later she gave birth to her son on a full moon night while on her way home to see her parents. When he was born it is said that he leapt onto the ground and where his feet touched it a lotus flower sprang up. Astrologers predicted he would either be a great ruler or a great religious teacher.

Prince Gautama grew up surrounded by luxury. His father tried to keep him in the palace as he wanted him to rule the kingdom. Astrologers had predicted that if he saw suffering he would become a great religious teacher. Gautama married at the age of 18 and had a son, Rahula. However, he became dissatisfied with his life. Whenever Gautama went out in his chariot, his father sent servants ahead to try to get all the blind, sick and old

people out of sight. Even so, Gautama saw four sights in the picture above. They were to change his life. After seeing the first three of these, Gautama realised that he too would one day grow old and die. He was no longer satisfied with his life of luxury, but felt a great love for ordinary people, and he wanted to help them to overcome their suffering. The last person that Gautama saw was a sadhu, a holy man, who had given up all his possessions to live a spiritual life Gautama was certain that he should do the same. He thought about this for a long time, and then one night, he left his wife and son in the palace.



Humanism- What is a good Life As with all animals, we are born, some of us reproduce, and we all eventually die. Unlike other animals, we worry about where our lives are going. Many of us can make important choices, which influence how our lives turn out. Within limits, we can choose to work or be idle; we can choose whom to befriend, whether to have children, and what kind of job or career we follow. Throughout history, human beings have asked themselves the auestion of what is the best way to live. What makes life worthwhile? What, if anything, makes life meaningful? These auestions raise further auestions of how we should treat others. Humanists believe that we have an obligation to make responsible and informed choices to help our lives and the lives of others go in a worthwhile and fulfilling direction. We are very small and insignificant in comparison with the vast size and age of the universe; but size is irrelevant to the auestion of meaning. Some people think that if there is no life after death and if we are limited in time, then life is somehow meaningless and pointless.

As we have seen, Prince Gautama left the palace and went into the city. He saw four sights that changed his life. An old person, an ill person, a corpse and a holy person. He realised that life involves suffering. He gave up his life as a prince, and set off to find out why people suffer. He was 29 years old. Channa, his charioteer, drove him out of the city. Then Gautama got out of the chariot. He cut off his hair, took off his fine clothes and, wearing just a simple robe, he set out on the homeless life. For six years Gautama lived a harsh life, training himself to have no food for long periods of time, and eating just enough to survive. It is said that his fasting nearly killed him. He grew so thin that you could see his back-bone through his stomach.

Finally, he realised that this kind of discipline was doing him no good. It had not helped him to find the truth about life, so he gave it up. He went down to the river to wash, where a milkmaid offered him some rice to eat, which he accepted.

The other holy men saw him give up his fast and thought that he was going back to his life of luxury in the palace, so they deserted him. He had not achieved what he had set out to do, but he was still determined to find out how to overcome suffering. Gautama sat under a tree, and said that he would not get up again until he had achieved enlightenment. Sitting there, many images went through his mind, tempting him to give up; other images were frightening, but none of them made him change his mind. He sat under the tree all night, struggling with these temptations. Then, as dawn approached, he is said to have gained enlightenment. From then on, Gautama became known as 'the Buddha'. His followers do not think that he is a god. They describe him as an enlightened human being. In other words, they claim that the Buddha was able to see and understand the truth about life. Buddhism does not set down rules which everyone must obey all the time out of fear of being punished. There are two reasons for this: There is no god in Buddhism to reward or punish people, or to set down laws. No two people are the same, so you need to judge what is right in your own

circumstances, not simply obey laws.

Year 8 Spring Term Knowledge Organise Disco - 1970's • a time signature of 44. • a fast tempo = 120bpm • four-on-the-floor rhythms. • guitar driven energy often with syncopated bass lines. • luscious orchestral arrangements. • vocals with reverb. </tabustreget by the vocal with reverb.</td>

Hip-Hop - 1980-1990's

1979 is considered the year when rap music became mainstream and it started with a song called 'Rapper's Delight' by the SugarHill Gang. As the genre grew in popularity, it consisted mostly of DJ's trying a hand a rhyming lyrics and branching out of just playing other people's records. America is considered the birthplace of the rap genre, hence why it is still dominated by American artists.

Rap lyrics were initially about dancing, community and music but it gradually became a mouthpiece for political and cultural differences, resulting in a lot of the rap music we hear today talking about injustice, fame and race.







EDM - 2000 -Music made with electronic instruments such as synthesizers or computer programmes with pre-recorded sounds Music made for large audiences, crowds and festivals Loud, fast music with frequent bass drops Repetitive sounds with short melodic or vocal hooks ✓ Encompasses sub genres such as drum and bass, techno, trance and house Primarily played or created by DJ's ✓ David Guetta, Diplo, Tiesto, Calvin Harris, Avicci Chords with just a letter e.g. E = MAJOR To create the major chord - starting note + 4 semitones + 3 semitones

Chords with a letter & m e.g. Am - Honor To create a minor chord - starting note + 3 semitones + 4 semitones

Chords with a letter & maj7 e.g. Cmaj7 = 10100000 To create the major 7th chord – starting note + 4 semitones + 3 semitones + 4 semitones (there should be 4 notes in total)

Chords with a letter & m7 e.g. Bm7 = MD101 7th To create a minor 7th chord – starting note + 3 semitones + 4 semitones + 3 semitones Meaning can be shown both physically and vocally. The following are skills used by actors to communicate characters' personality and intention – this is known as Characterisation.

- Body Language Showing what you feel by the way you stand.
- Gesture how you communicate with your hands and/or arms.
- Facial expression showing what you feel on your face.
- Voice tone the emotion that you are putting into your voice. E.g an angry tone of voice.
- Pitch how high or low you are speaking.
- Pace how fast or slow you are speaking.
- Pause Allowing breaks in the speaking
- Accent changing the way you speak to show where you are from.
- Status how important your character is. This can be shown by the way you stand, talk, walk etc...

YEAR 8 DRAMA – WORKING WITH TEXT





Meaning can also be shown through the design elements.

Costume is what the character wears and is used to show more about their personality. It can show their age, status, and the time period the play is set in.

Lighting is used to create atmosphere and show the time of day. This is done using colour, angle, and intensity. For example, a dimly lit stage with a cold blue light may create an atmosphere of mystery or suspense, set in the early evening.

Sound is used to add to the atmosphere, heighten emotions and can also be used to show locations for example a wind blowing and a wolf howling can create an eerie atmosphere.

Set includes the scenery, and anything on the stage which is used to show when and where the play takes place. It is used to create levels and make the performing space look visually interesting.

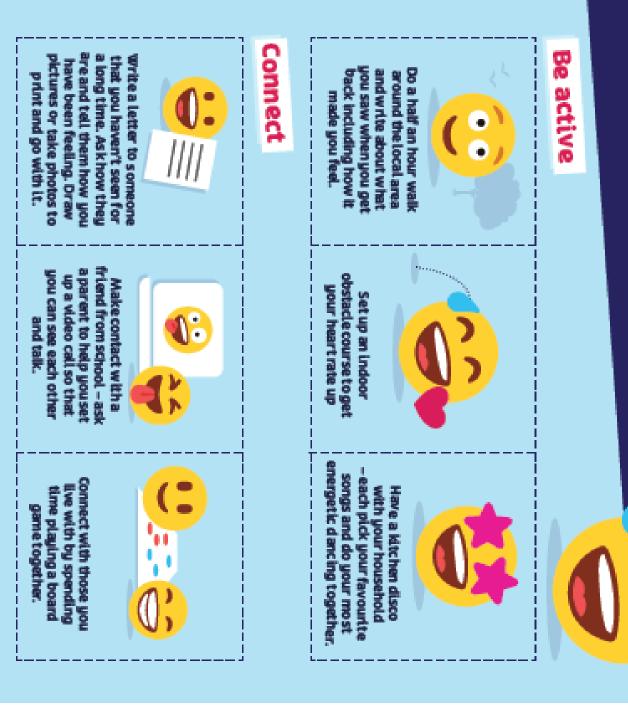


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Five Ways to **Activity Sheet** Wellbeing

Use the challenges on this sheet to help your child feel better and find ways of managing their own mental wellbeing.

one or two per day to do. Once they have tried them all they can pick their favourites to do regularly. Why not cut them all out and encourage them to choose



Take notice earn Sit outside and listen to the birds sing, and notice what other ounds you c an hear Write a list of the three things you look forward to doing the most when we are allowed to do them again. colour the leaves are. Write about what you see and how it made you fee! park and look at the trees around you noticing what Go for a walk in your local •



Choose something you are interested in and spend some time reading about it and learning interesting facts to tell people.



Ghoose a country you might like to visit one day and learn five words from the language



