Year 8 Knowledge Organiser

Autumn Term 2021/22

Name:

Form:



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Instructions for using your Knowledge Organiser

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

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

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

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

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

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

Self-testing

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

These are some possible tasks you could try:

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

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

How to self- test with the knowledge organiser

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

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

Look, Cover, Write, Check, Correct

This should be familiar to you from primary school.

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

Questions/Answers, Answers/Questions

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

Always remember to check and correct

Flashcards

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

To make your own, take some card and cut into rectangles roughly 10cm x 6cm.

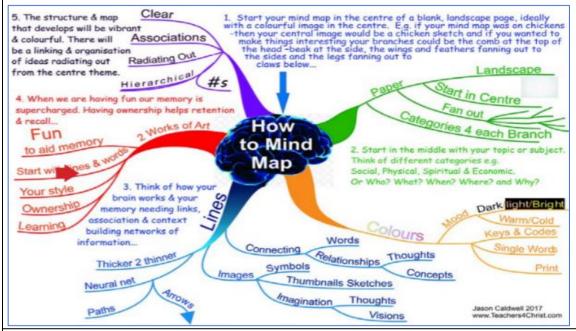
Write the key word on one side and the definition on the other.

Write the key word on one side and the definition on the other.

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

Mind Maps

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



Once you have made your map, cover it and test yourself on different strands, eg. How much of the Lines strand can you recall.

Clock Learning

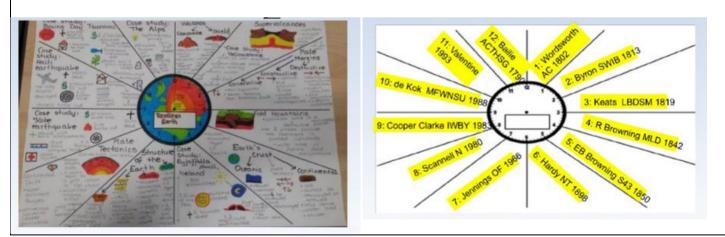
For this technique, draw a basic clock.

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

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

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

Clocks can also be used to help to visualise a timeline



Homework log and parental check

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

Homework log and parental check

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

Reading log

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

Parent/Guardian /Staff signature							
Total time spent reading							
Book(s) read (title and author)							
Sun							
Sart							
Fri							
Thu							
Wed							
Tue							
Mon							
Week	1	2	e	4	2	9	7

Reading log

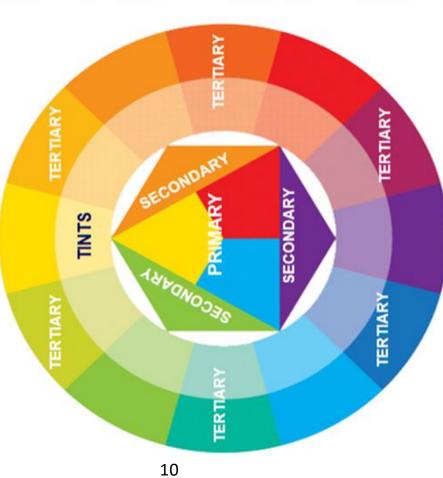
Use this reading log to record the books you read along with how long you have spent reading and the Accelerated Reader quizzes you have completed.

Week	Mon	Tue	Wed	Thu	Fri	Sat	uns	Book(s) read (title and author)	Total time spent reading	Parent/Guardian /Staff signature
8										
6										
10										
11										
12										
13										
14										

Art - Colour Theory:

for example: primary colour, secondary colour and categories of colours based on the colour wheel guide to colour mixing and the visual effects of In the visual arts, colour theory is a practical specific colour combinations. There are also tertiary colour.

THE COLOUR WHEEL



HARMONIOUS:



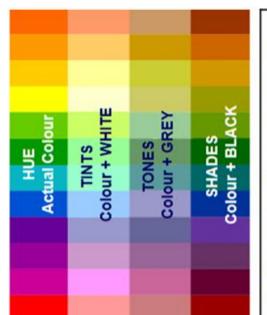
Colours that are opposite each other COMPLEMENTARY: on the colour wheel.

TRIADIC: Three colours spaced equally apart on the colour wheel.

WARM COLOURS:

COOL COLOURS:

HOW BLACK AND WHITE CHANGES COLOUR:



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Tonal Gradation	A visual technique of gradually transitioning from one colour/hue to another, or from one shade to another, or one texture to another.
Colour Blending	The change from one colour to another gradually. The colour change should appear smooth and is achieved when colours are mixed and layered without an obvious line or step between each colour.

Art – Observational Drawing – Colour Pencil:

_				
		Art Specific Language and Terms	ge and Terms	
	Tone	The lightness or darkness of something.	Colour Blending	The change from one colour to another gradually. The colour
	Tonal Gradation	A visual technique of gradually transitioning from one colour/hue to another, or from one shade to another, or one texture to another.		change should appear smooth and is achieved when colours are mixed and overlaped without an obvious line or step between each colour.
	Depth	Refers to making objects appear closer or further away and making a two-dimensional image seem three-dimensional.	Secondary Source imagery	Using the work or imagery of others to help inspire and influence your own ideas and work.
11	Proportion	The size relationship between different elements e.g height compared to width.	Scaling up	A precise way to transfer and enlarge a small image.
	Burnishing	Layering and blending until no paper grain shows through the coloured pencil layers.	Accuracy	The extent to which one piece of work looks like another.

A **tortillon** is a cylindrical drawing tool, tapered at the end and usually made of rolled paper, used by artists to smudge



Essential tips for colour pencil work:

- Layering complementary colours darkens both colours and reduces their intensity.
- Pressing harder intensifies a hue but does not darken it.
- purple over red. Use dark brown or dark blue before black, and avoid leaving black as the You can darken a colour by layering its next darkest neighbour over it, for example, top layer of any colour.
 - To lighten a colour, layer over it with a lighter hue of the same colour before resorting to
- To intensify a colour, blend it using a tortillon or stump.
- Burnishing any colour with white will make it lighter, shinier, cooler and hazier.

Y8 CITIZENSHIP KNOWLEDEGE ORGANISER AUTUMN Term

A mixture of different races, cultures and ethnic diversity within Having negative thoughts about a person or group of people, that are not based on your own experience or on facts. The action of moving to live in another country permanently. same - having a genralised view about the group based on Showing a great deal of variety within a community or area. Treating a person unfairly based on their race, religion, sex, Labelling all people who belong to a certain group as the To move from one country or region and settle in another. ideas that are important; standards of behaviour that are accepted by a society. Key words one common feature. a region/city/town. gender or age. Discrimination Stereotyping Multicultural *Immigration* Migration Prejudice Diversity Values

British Values

We are free to the law or hurt act and do as we please, as don't break long as we Freedom

equally, with

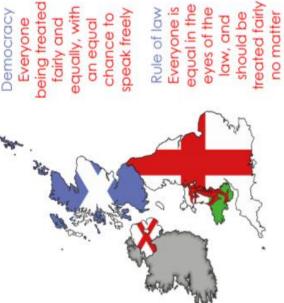
an equal

fairly and

Democracy

Everyone

and opinions, and understanding of and live together learn to accept differing views People show others with peacefully. Tolerance





equal in the

eyes of the

law, and

Rule of law Everyone is

speak freely

chance to

reated fairly

no matter

should be





How can you link different topics together?

Making connections

Prejudice + discrimination + stereotyping

British values + tolerance

Migration + diversity Freedom + multicultural + British Values Multicultural + diversity + British Values

For & against immigration in the UK

Contribute to UK society by paying taxes

Immigrants will do work that UK citizens wont

Immigration encourages multiculturalism and diversity in our culture

Can take jobs from UK citizens

There can be language and cultural barriers

Overpopulation can cause a strain on public

Brush up on your skills

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

Looking into a topic in detail. Questioning different opinions and seeking to discover a range of other views. Critical enauiry

Multicultural Britain

Y8 CITIZENSHIP KNOWLEDEGE ORGANISER Autumn Term

now much you are able to expenditure (money spent) which allows you work out A plan showing income money coming in) and spend.

spent on public services like government by individuals and companies. This is the NHS and schools. Money paid to the

Debt

that one is bound to pay to something that is owed or or perform for another:

The Economy

and services (things done by of value. It is usually divided An economy is a system of into goods (physical things) making and trading things people).

How are people paid for jobs?

free healthcare via the NHS

The Annual Budget

the more hours you work, the more pay you'll receive. You

can get paid piece work - this is when you're paid a set amount for every item you make. The more items you

when you eam a set amount for every hour that you work.

Sometimes people get

commission - this is mostly for sales jobs, when you receive

a share of all the sales you make. Often you will get

commission as an extra on top of your salary

normally receive the same amount of pay every month in your bank account. Some people get paid an hourly rate

If you get paid a salary, this is when you are told the amount of money you will earn in one year. You will

> The governments plans for taxes and public funds for spending and managing the year.

Money &

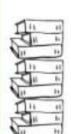
Finance

The Chancellor of the Exchequer

finance minister and one of the most senior members of the Cabinet. Chancellor for short) is the government's chief the Chancellor of the Exchequer (called The

decides how much we will spend on public services across the UK. They announce these changes each year in the annual

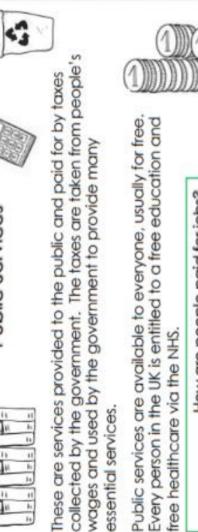
Budget statement.



Public Services







wages and used by the government to provide many

essential services

Suggest

Making connections

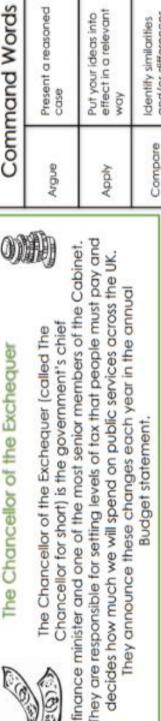
How can you link different topics together?

Sovernment + budget + taxes Public services + budget faxes + public services

The Chancellor + cabinet + public services Taxes + The Annual Budget + economy Debt + budget



Why budget? Puts you in control, understand your spending better, it allows us to save for the future, provides financial security and you can buy more of the things you like.







Computing – 8.1 HTML Knowledge Organiser

World Wide Web	Collection of webpages connected together by hyperlinks, using the Internet (usually shortened to WWW).
Internet	A global network of computers all connected together.
Webpage	A hypertext document connected to the World Wide Web.
Website	A collection of webpages with information on a particular subject.
Web browser	The software which displays a webpage or website on a computer. Common browsers include: Internet Explorer, Firefox, Safari, Opera and Chrome.
Uniform Resource Locator (URL)	An address that identifies a particular file or webpage on the Internet
HTML	Hyper Text Markup Language - describes and defines the content of a webpage.
Multimedia	Content that uses a combination of different types of media - eg, text, audio, images.
Hyperlink	A link from a hypertext document to another location, activated by clicking on a highlighted word or image.
Hotspot	An area on a computer screen which can be clicked to activate a function, usually an image or piece of text acting as a hyperlink.
Navigation	The elements of a website that allows the user to move around the website. This is usually in the form of a menu or hyperlinked text or buttons.
JPG	The main file type used for images on the World Wide Web - uses lossy compression.

HTML Tag Definition – what does it do?

<html> Root of a HTML document</html>	 Image
<body> Contents of the page</body>	<a>> Anchor (used in hyperlinks with href)
<head> Information about a page Paragraph</head>	 Ordered/unordered list List item
<title> Tab title / defines title</td><td>Creates and defines table</td></tr><tr><td><h1>, <h2>, <h3> Headings</td><td>
b>, <i>, <u> Bold. Italic and Underline</td></tr></tbody></table></title>	















Computing – 8.4 Animation and Video Editing Keywords

	Ţ
Video editing	Arrangement of images, videos, sounds and text made into a professional video.
File type	The way a file is stored on a computer. It allows the file to run in certain programs.
Import	To open a file in a program. It could be different file formats.
Export	Saving files in a format that can be used by other programs.
Crop	Removing unwanted parts of photographs, videos and sound.
Transition	An effect used to move from one clip to the next during a movie or sound. You can control the speed and effect added, like fade in or out.
Overlay	Running alongside another component. For example, sound can be overlaid on a photo.
E-safety	E-safety is safe and responsible use of technology on the computer and the internet.
Animation	Computer animation is creating moving images.
Frame Rate	Changing the speed of the frame to be quicker or slower.
Gallery	Pre-set images that can be used from a list.
Arrange	Placing an object in a certain position, eg. bring to front, send back.
Rotate	Changing the orientation of an object by turning it.
Colour wheel/Swatch	Picking a colour for an object when it is selected.
Colour Fill	Selecting an object to add a colour to. The colour wheel is used to select a colour.





Drama - Devising and Characterisation

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Brainstorm your ideas with your group, mind maps are a good place to start if you are struggling.	Do not throw out ideas until they have been tried.	You must actively listen to everyone and their ideas.
Brainstorm	Try Everything	Listen

Work as a group, not as individuals.

The structure of your play can	be changed. Just because you	create a scene in a certain way	does not mean you cannot	make alterations or	improvements to it.
Structure					

You can use a dramatic devise to add interest in your work

How do I use dramatic devises...

create a particular impression or effect on the audience.

Crosscutting

Freeze

Experimenting with ideas, techniques, structure and characters will create a better performance.	
Experiment	

Pick the style of stage you are	going to preform on and keep	the position of the audience in	mind all the time
Pick your	stage		

Mix them up to create more effect and make it more interesting

You don't have to use all of these in one scene.

Roles Multi-

Flashbacks

Speaking

Choral

After every session/scene	reflect on what you have done	and where you need to go.
Reflect		

7 States of Tension

- Exhaustion
- Laid back/ Zombie
- Neutral
- Alert 4.
- Suspense/curious
- Passionate/melodramatic 6. Passion 7. Tragic
- How can you link Lecoq's ideas of tension into your
- What state of tension is the character?
- Does this change? When does this change?

There are two types of characterisation

- Direct characterisation— this tells the audience the personality of the character
- can reveal the personality of a character through the following Indirect characterisation- shows the audience things that 5 aspects...
 - 1. Speech what they say and how they say it.
- Thoughts these can be revealed to the audience
 - another, what they do, how they use proxemics Effects on others - how characters react to one
- Action why they do what they do and how they do it.
- Looks how they look, their costume, makeup and haii

Key to Characterisation

You need to make sure you speak clearly, you place emphasis in the right place, use pauses, think about the pace you are speaking at and that you can be heard?	How you move can define a character. Think about why and how you move on the stage.	These need to be clear and strong. Is your body language and facial expressions telling the correct story? Do they
Voice	Movement	Body Language and Facial Expressions

◆ Dramatic Pause

Devised Scene

rough Tracking←

▲ Direct

▼ Narration

characterisation At all times you

nessage of

Vour

must think about the

devising and

to develop are

key to both

rehearsal and

Remember

3 Things to Remember

> distance away from another Are you standing the right character? match?

> > Proxemics

make your play Remember to performance appropriate!!



design elements you choose fit fou MUST make sure that the your chosen practitioner or

genre....

Sound And Music In Performance

on stage, help set the scene, indicate a change of time or location or Sound and music can add atmosphere, emphasise action happening focus attention onto a character. Enhancing a performance

What is diegetic sound?

This is sound heard by the characters on stage and exists within the world of the play. For example, birds singing, children playing, road noise. The characters may not react to these but they are there creating an atmosphere.

diegetic sound? What is non

These are sounds which exist outside the world of the play and the characters don't appear to hear these. For example, using a heart peat or dramatic music to create tension.

Par Can – Light for large areas as it literally floods the stage Profile Spotlight - Definite



harp edged beam, can also be Fresnel Spotlight – Soft edged used for gobos

back wall of the stage). For example

mage onto the stage or cyclorama

A gobo is a metal stencil which is

Gobo

Key Lighting Vocabulary

placed over a light to project an

windows, or the image of sunlight or they can project things like words or



beam, good for smaller areas



Birdie – A tiny lantern good for flashing light, making action appear jumpy



up lighting facial features and distorting them; creating an eerie atmosphere



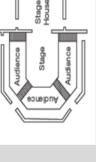
thanges colour and can project which moves across the stage images using gobos

Moving Head Light – A light 30

in theatre, a thrust stage (also known as a platform stage or open stage) is one that extends into the audience on three sides and is connected to the backstage area.

Thrust

Stage



Theatre-in-the-round also called arena stage, central stage, or island stage, form of theatrical staging in which

A traverse stage is a form of theatrical stage in which the

he proscenium arch.

the stage is called The frame around in tiered seating.

facing towards each other. ... In some traverse stages,

one end of the stage space may

also end in audience,

making it similar to

a thrust or

three-quarter round

Traverse

audience is predominantly on two sides of the stage,

In the round

aised or at floor the acting area, surrounded by which may be completely level, is

Audience

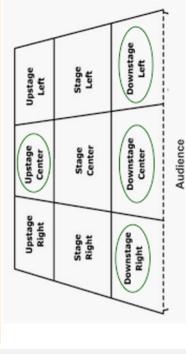
he audience.

Stage

predominantly use greens and yellow. blues and greens where as a daytime coloured filter. They come in a great projected on stage a gel is placed in many colours and shades. Colour is evening woodland scene might use explicitly important and needs real front of the light which creates a consideration; for example, an To change the colour of light woodland scene would Gel

light is, which can directly impact on reference to how bright or dim the stage lighting the mood / atmosphere on stage. Intensity of lighting is a direct referring to ntensity -

when



17

on one side only. This is called a proscenium stage (you When using a proscenium arch stage, the audience sits

might know this as end-on staging). The audience faces

one side of the stage

directly, and may sit at a lower height or

Proscenium arch

Core Text: Journey's End by R. C. Sherriff Year 8, Autumn Term: Perspective

Perspective is shaped by context. The way we understand the world might be similar or completely different to other people's understanding of it. Writers can use their text as a vehicle through which to express their perspective on an Issue or a subject.



Vocabulary

- 1st/3rd perspective
- realism
- verisimilitude
- censorship
- disillusionment
- agenda
- enjambment

stanza

- anaphora
- figurative language
- stage directions
- preposition
- sentence fragment
- subordinate clause

Key points about perspective



- Perspective is personal, subjective, and shaped by context.
- A change in context can change a writer's perspective
- The writer's perspective is linked closely to the themes in the text.

Perspective in poetry

- Poetry—as a form—played a significant role in the war effort.
- A poet's choice of methods shapes perspective.
- Pope's perspective on war reflected a pro-war agenda.
- Owen's perspective is shaped by personal and authentic war experience.
- Kipling's perspective on war changed with time to reflect a new reality.

Perspective in Journey's End

- Sherriff was a serving soldier in World War I.
- You need to understand realism as a movement and its role in literature.
- Make notes on Sherriff's perspective on war through Journey's End.
- Think about how perspective can be conveyed through characterisation and language choices.
- Understand dramatic conventions (stage directions, dramatic irony, foreshadowing, contrast/juxtaposition, silence, exits and entrances)



A definition of realism

Broadly defined as "the representation of reality", realism in the arts is the attempt to represent subject matter truthfully, without artificiality and avoiding artistic conventions, as well as implausible, exotic and supernatural elements.

Reading Assessment:

Explore how Sherriff uses realism to express his perspective on war.

Locate these features in the example below:

- context
- embedded quotations
- reference to stage directions
- comment on language
- impact of the writer's choices
- reference to realism
- reference to writer's perspective

Throughout the play Journey's End, Sherriff uses realism to highlight and expose the devastating impact of war. Sherriff draws on his personal experience of the war, having served as an officer during world war I.

Sherriff effectively uses the opening stage directions to realistically depict the living conditions of World War I soldiers. He writes about 'the wooden bench' and 'gloomy tunnels', deliberately using precise language to focus on these minute details. This adds to the impression that life for wartime soldiers was both dull and uncomfortable, rather than the exciting experience that was suggested by propaganda literature. This immediately creates a sense of Sherriff's anti-war perspective.



Writing Assessment:

Write the narrative from the perspective of one of the people featured in the picture.

Checklist for creative writing

- choose between 1" person/3" person limited/3" person omniscient
- plan the setting and characterisation—sensory description, figurative language, precise details, prepositions
- follow the conventional story structure
 - write in the present tense plan to use verbs for impact
- include fragments for impact
- use adverbial phrases
- include occasional dialogue

Topic 1: Getting Ready to Cook

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

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

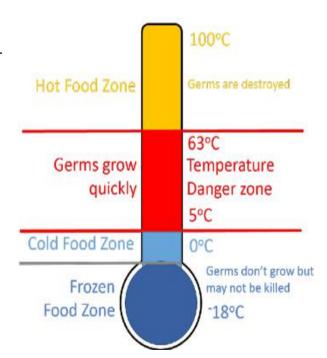


Good personal hygiene will stop you cross-contaminating food with the harmful bacteria that causes food poisoning. When preparing food you should not be eating your ingredients or licking your fingers.

Food Safety – some foods are 'high risk' because, if they are not stored, prepared and cooked properly, there is a high risk of them causing food poisoning. Food poisoning is caused by harmful bacteria (pathogens) which produce toxins when they reproduce. Common pathogens include salmonella (found in raw eggs), campylobacter (found in raw chicken) and E. Coli (found in uncooked meat).

Food Poisoning – when you eat food contaminated by bacteria the consequences can be serious. Symptoms include upset stomachs, headaches and dizziness. Bacteria needs food, moisture, warmth and time to reproduce. To prevent bacterial growth you need to use temperature control - keeping foods out of the 'danger zone' (5-63C) and following the 4Cs:

- Chilling when food is kept cold in the fridge (0-5C) bacterial growth slows down. Freezing food (-18C) stops growth but the bacteria will start to grow again when food is defrosted
- 2. **Cleaning** removes bacteria from hands and work surfaces in the kitchen
- Cooking heating food to 75C+ kills bacteria.
 Once cooked, food should be kept warm above 63C
- 4. **Cross-contamination** stops bacteria from spreading from high risk foods to other foods



Using the correct chopping board is one important way of avoiding cross-contamination. You should also clean your hands after touching raw meat and fish.

Topic 2: Healthy Eating

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

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

The amount of energy we need depends upon our age, gender, activity level and body size. If we eat more food than we need, and don't use it up by exercising, any energy that's

left is turned into fat and we put on weight. If we eat less food than we need, the fat stores are used up and we may end up losing weight.

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



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

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

8 healthy eating tips



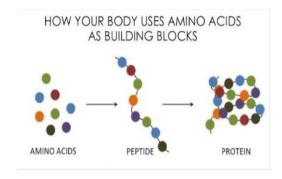
Topic 3: Protein – Meat, Poultry and Fish

Protein is one of the nutrients essential for life. It is needed for the growth and repair of our cells and for energy. Some groups of people need more protein than others, for example, children and pregnant women need more protein for growth.



Each protein molecule is made up of a combination of 20 amino acids. It is essential that we include certain amino acids in our diet because our bodies cannot make them. There are 8 essential amino acids for adults and 10 essential amino acids for children (the extra 2 are needed for growth).

Sources of protein that contain all of the essential amino acids are called High Biological Value (HBV) or complete proteins. Sources of protein that contain some of the essential amino acids are called Low Biological Value (LBV) or incomplete proteins.



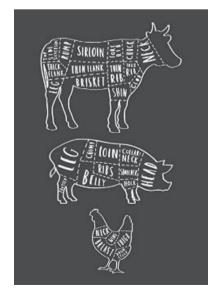
HBV proteins are mainly from animal sources. LBV proteins are mainly from plant sources such as beans,

nuts and seeds. When combining LBV proteins you can consume all the essential amino acids (LBV + LBV = HBV). An example of this is beans on toast. This is called protein complementation.

Meat is the muscle tissue of animals and it is high in protein, iron and B group vitamins. The main types of meat eaten in the UK are beef, pork and lamb. Meat from younger animals is tender and cooks quickly, meat from older animals is tougher and needs marinating or slow, moist cooking. Choose lean cuts of meat and mince, and eat less red and processed meat like bacon, ham and sausages.

Poultry are birds that are reared for eating. Popular poultry includes chicken, duck, turkey and goose. Poultry is high in protein and B vitamins and is lower in fat than meat. Poultry needs to be cooked thoroughly because it is a high risk food that can cause food poisoning.

Fish can be divided into three types, white, oily and shellfish. Fish is high in protein and you should aim for at least 2 portions of fish every week, 1 of which should be oily, such as salmon or mackerel, because it is high in vitamins A and D.



Topic 4: Protein – Eggs and Dairy Foods

Eggs are nutritious – they're a source of protein, vitamin D, vitamin A, vitamin B2, vitamin B12, folate and iodine. Eggs can be enjoyed as part of a healthy, balanced diet, but it's best to cook them without adding salt or fat, for example boiled or poached.

Eggs are produced by laying hens. Hens can be housed in cages or barns to lay their eggs or they can be 'free range' and have access to the outdoors. The British Lion Code of Practice ensures that eggs are produced to high standards – look out for eggs that have the Red Lion stamp.



Eggs are very versatile and can be used to make a wide range of sweet and savoury dishes including cakes, meringues and custard or savoury tarts, omelettes and Yorkshire puddings.

This is because the protein in eggs can denature (change shape) and coagulate (set). Proteins denature when heated, beaten or exposed to acidic foods such as lemon juice. Egg white becomes solid and turns white as it coagulates at 60C and egg yolk becomes solid at 70C.

Milk and dairy products, such as cheese and yoghurt, are great sources of protein and calcium. They can form part of a healthy, balanced diet, especially if you go for lower fat and lower sugar options.

Milk is supplied by dairy cows but it is also available from sheep and goats. You can look out for the Red Tractor logo on dairy foods. This is a quality assurance scheme that informs consumers that milk has been produced to high standards by UK farms.

The milk you buy in the shops is heat-treated to 72C to destroy bacteria. This process is called pasteurisation. Fresh milk should be stored in the fridge and will last 5 days. Longer life milk is also available. Ultra-heat treatment milk (UHT) is heated to 135C and can be stored at room temperature for about 6 months. Some or all of the fat in milk can be removed to make a healthier version so full fat (blue packaging), semi-skimmed (green packaging) and skimmed (red packaging) varieties are widely available.



Topic 5: Fats and Oils

A small amount of fat is an essential part of a healthy, balanced diet. Fat is a source of essential fatty acids, which the body cannot make itself. It also provides energy and is converted into body fat to keep us warm and protect our vital organs.

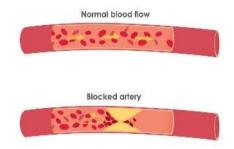


Fat helps the body absorb vitamin A, vitamin D and vitamin E. These vitamins are fat-soluble, meaning they can only be absorbed with the help of fats.

The main types of fat found in food are:

- saturated fats from animal sources, including meat and dairy products, as well as some plant foods, like palm oil and coconut oil
- unsaturated fats found primarily in oils from plants and fish

As part of a healthy diet, you should try to cut down on foods and drinks high in saturated fats and replace some of them with unsaturated fats, for example using a low-fat spread instead of butter or olive oil instead of lard.



There's good evidence that replacing saturated fats with some unsaturated fats can help lower cholesterol which is a major cause of heart disease as it can block up your arteries. Too much fat in the diet can also lead to obesity and Type 2 diabetes.

Fats are used to spread on bread, as a cooking medium and for shortening and aeration. Deep-fat and shallow frying are popular ways of cooking food that add colour, flavour and texture to food - but it also adds unnecessary calories.

Shortening is when you add fat to biscuits or pastry to give them a crumbly texture. When fat is rubbed into the flour using the fingertips, it surrounds the flour particles with a waterproof coating – fats with high levels of plasticity, for example butter, are best for this. This stops water becoming absorbed and gluten being formed (the protein in flour). Gluten makes dough stretchy and baked products chewy and is ideal in bread making but not desirable in pastry which should be melt-in-the-mouth.

Fat also helps to trap air in a mixture to give a light, springy texture (aeration). In cake making, fat and sugar are creamed together and bubbles of air enclosed in the mixture to make a stable foam.

Topic 6: Adapting Recipes

For some people, following the Eatwell Guide is more challenging because they cannot, or choose not to, eat some of the food groups.

People with allergies and intolerances are not able to eat some foods because they cause severe reactions or unpleasant symptoms. Common food allergens include fish, nuts and sesame seeds. People with severe allergies should avoid all traces of these food as they can go into anaphylactic shock which can be very serious.





Gluten intolerance means that people need to find alternatives to some starchy foods like bread and pasta. Gluten-free flour is now available in most supermarkets and ready-made gluten-free products are also easier to find in shops.

There are also calcium-fortified dairy alternatives like soya milks, soya yoghurts and soya cheeses which can make good alternatives to dairy products for people with lactose intolerance.

Other people choose not to eat animal products because they are vegetarians or vegans. They do not agree that animals should be slaughtered for food or kept for human food production. There are many high protein alternatives for people who do not eat animal products including Quorn, quinoa and foods made from soya.





Choosing to eat only organic, Fairtrade or free range products is also becoming more popular. Organic foods are produced without any chemicals. Fairtrade foods are grown by people who receive a good deal for their produce. Free range farming is when animals are allowed to roam outside during the day rather than being kept indoors in large numbers (intensive farming). Some people are also concerned about food production and the environment — saying we should look for alternatives to rearing cattle such as eating insects (entomophagy).

People also adapt recipes to take account of their personal preferences (their likes and dislikes) or their religion, to make them cheaper, to make them healthier or to add variety to their diet.

French Y8 Autumn Term Knowledge Organiser Unit 1: Les vacances – Holidays

						•
Where did	Tu es où en	Where are you on	Qu'est-ce que tu as	What did vou	C'était	How was
you go?	vacances?	holiday?	visité?	visit?	comment?	it?
went to	Je suis	lam	J'ai visité	I visited	C'était	It was
We went	Nous sommes	We are	Nous avons visité	We visited	amusant	fun/funny
to	au bord de la mer	by the seaside	le château	the castle	génial!	great
Germany	à la montagne	in the mountains	le lac	the lake	ennuyeux	boring
Spain	à la campagne	in the countryside	le musée	the museum	cool	cool
Longo	en colo (colonie de	at a holiday camp	le parc	the park	symba	nice
) laile	vacances)		le stade	the stadium	intéressant	interestina
Greece	chez mes grands-	At my	la cathédrale	the cathedral	nu	rubbish
Italy	parents	grandparents'	la mosquée	the mosdue	Ce n'était	It wasn't
Morocco		home	la chocolaterie	the chocolate shop	pas mal	bad

Nous sommes

en Allemagne

allé(e)s...

en Espagne

en France

en Grèce

Je suis allé(e)

Tu es allé(e)

où?

	Qu'est-ce que tu as fait?	What did you do?
	Pendant les vacances	During the holidays
	J'ai joué au tennis/au foot	I played tennis/football
٦	J'ai mangé des glaces	I ate ice creams
	J'ai écouté de la musique	I listened to music
	J'ai acheté des baskets	I bought trainers
	J'ai regardé un film à la télé	I watched a film on TV
	J'ai nagé dans la mer	I swam in the sea
$\overline{}$	J'ai retrouvé mes amis	I met my friends
	J'ai traîné à la maison	I hung around at home

Portugal

USA

aux États-Unis

Prepositions

Mexico

au Mexique au Portugal

au Maroc

en Italie

I hung around at h	se with AVOIR	say what you did or
J'ai traîné à la maison	The perfect tense with AVOIR	The perfect tense is used to say what you did or

Who with?

Avec qui?

my family

To form the perfect tense of most verbs, you need: 1. The present tense of the verb AVOIR (to

have done in the past.

class/school

mes ami(e)s mes parents

mon collège

ma famille

my parents my friends

my brother

mon frère

ma sœur

my sister

A past participle (joué/mangé etc.) have) 5

ne infinitive -er ending and replace with To form the past participle for regular -er verbs, ate participle 2. Past mangé er – regarde ense

remove the ir	1. AVOIR,	J'ai	Tu as	II/Elle/On a	Nous avons	Vous avez
How did you travel?	l travelled We	travelled	train	tood	car	coach
Tu as voyagé comment?	J'ai voyagé Nous avons	voyagé	en train	en hateau	en voiture	en car

Qualifiers	fiers	The perfec	The perfect tense with ÊTRE	h ÊTRE
ned un	a bit	Some verbs use the verb ÊTRE in the	the verbÊTF	R in the
assez	dnite	perfect tense. One example is ALLER, th	ne example is	s ALLER, th
très	Verv	verb to go.		
9 0		1. ËTRE,	2. Past participle	ticiple
don	00	present tense	(remember to add an	to add an
vraiment	really		extra e for females an	females an
			s for plurals).	s).
Sequencers	ncers	Je suis	allé(e)	l went
d'abord	first of all	Tu es	allé(e)	You went
ensuite	next/then	II/Elle/On est	allé(e)	He/She/W
i	then			went
sind		Nous sommes	allé(e)s	We went
apres	апег	Vous êtes	allé(e)s	You went
finalement finally	finally	IIs/Elles sont	allé(e)s	They went

He/She/We

They went

e is ALLER, the

or females and

Au parc d'attractions	At the theme park
J'ai bu un coca	I drank a coke
J'ai vu un spectacle	I saw a show
J'ai vu mes personnages préférés	I saw my favourite characters
J'ai fait une balade en bateau	I went on a boat ride
J'ai fait tous les manèges	I did all the rides
J'ai pris des photos	I took photos
Je n'ai pas mangé de glaces	I didn't eat ice creams
Je n'ai pas acheté de souvenirs	I didn't buy souvenirs

He/She/We swam

You bought

acheté

nagé

oné

You listened They visited

écouté

visité

IIs/Elles ont

We played

aux +plural country

a + city name

au + masculine country

en + feminine country

Unit 2: Les fêtes – Festivals Y8 Autumn Term Knowledge Organiser French

the Christmas market

ire the illuminations

presents

to some choirs

a hot apple juice

happen, use ALLER

nfinitive verb.

lat are you going to

do?

loing to...

	Quelle est ta fête	What's your		The present tense	ent tense		Qu'est-ce que tu vas faire ?	tu vas faire?	What are
	préférée ?	favourite festival?	The presen	The present tense is used to talk about what	d to talk abou	ut what			
	Ma fête préférée	My favourite	usually had	usually happens, or what is happening now.	t is happenir	ig now.	Je vais		I'm going t
	c'est	festival is	Je danse m	Je danse means 'I dance' and 'I am dancing'	and 'I am d	ancing'	visiter le marché de Noël	é de Noël	visit the Ch
	Noël	Christmas	To form the	To form the present tense of most verbs:	of most ver	ps:	acheter des cadeaux	deaux	buy present
	Påques	Easter	1. Cho	Choose the correct subject pronoun	st subject pro	unoud	admirer les maisons illuminés	isons illuminés	admire the
	mon anniversaire	my birthday	(ie/t	(ie/tu/il/elle			écouter des chorales	orales	
	la Toussaint	All Saint's Day	2. Ren	Remove the -er/-ir/-re ending from the	/-re ending f	rom the	manger une tarte flambée	te flambée	eat a tart
	le Saint-Valentin	Valentine's Day		infinitive verb.			boire un jus de pomme	pomme	drink a hot
	le Nouvel An	New Year	3 Add	Add the appropriate ending from the table	te endina fro	m the table	chand		
	la Chandeleur	Pancake Day		W.					
	l'Aïd	Eid	Subject	-er verbs	-ir verbs	-re verbs		I ne near tu	I ne near tuture tense
	le carnaval	Carnival	pronoun	(JOHER)	(FINIR)	(VENDRE)	To talk about things that are going to happe	ings that are g	oing to happe
	le 14 juillet	Bastille Day	Je/J	ioue	finis	vends	in the present tense, followed by an infinitive	ense, followed	by an infinitive
	Pouranoi ?	Why?	Tu	jones	finis	vends	ALLER,	Infinitive	
	Parce due	Because	II/Elle/On	jone	finit	ven <u>d</u>	present	verb	
	l'aime/ l'adore	l like/l love	Nous	ionons	finissons	vendons	tense		
		don't like	Vous	ionez	finissez	vendez	Je vais	acheter	am going to r
	Je n alme pas	I don t like	IIs/Files	ionent	finissent	vendent	Tu vas	manger	You are going
	Je deteste	hate		1000			II/FIIa/On vo	hoire	Ha/Sha/Ma ar
27	Je préfère	l prefer	Décris	Décris la photo	Describe	Describe the photo	וו/בוופ/סוו אמ		וב/סווב/ אל פון
7	manger du chocolat	to eat chocolate	Sur la photo il va	to il va	In the pho	In the photo there is	Nous allons	visiter	We are going t
	acheter des cadeaux	to hijy presents	and and an	cal la pinoto ii y a			Vous allez	éconter	You (pl.) are g
	danser et chanter	to sing and dance	un garcon/une fille	une fille	a bov/qirl	8	IIs/Elles vont	choisir	They are going
	faire une soirée	to have a sleepover	II/Elle danse	ą.	He/She is dancing	dancing	ΑΑ	hono	٧
	pyjama		II/Elle mange.	ge	He/She is eating	eating	Au mossica iib	Au maiche	omo fich
	rendre visite à mes	to visit my cousins	II/Elle chante	te.	He/She is singing	singing	de la salade		some letting
	cousins	•	II/Elle porte	:	He/She is wearing	wearing	do l'op:		some water
	Parce que c'est	Because it is	Il fait beau/mauvais	mauvais	The weather is	eris	do bariante vorte	4	some water
	amusant/ennuyeux/	fun/boring/			good/bad		ues liancols verts	erus e fromade	a niece of of
	nul/sympa/ bête	rubbish/nice/ silly	For multiple	For multiple people: IIs/Elles dansent.	ille s dans en í	t.	une tranche de jambon	e jambon	a slice of ha
	trop commercial	too commercialised	The -s and	The -s and -ent are silent	t.		un chon-fleur		a cauliflower
	Comment fêtes-tu ?	How do voil		Morohó	17 17	to morkot	une douzaine d'œufs	d'œufs	a dozen egg
		not on morr	2	Au marche	1	At the market	un kilo d'oianons	Sul	1kg of onion

	_	present	verb	
	二	tense	}	
	_	Je vais	acheter	I am going to buy
	_	Tu vas	manger	You are going to eat
		II/Elle/On va	boire	He/She/We are going to drink
		Nous allons	visiter	We are going to visit
:		Vous allez	écouter	You (pl.) are going to listen
		IIs/Elles vont	choisir	They are going to choose.
		Au marché	arché	Au marché
		du poisson		some fish
		de la salade		some lettuce
		de l'eau		some water
		des haricots verts	erts	some green beans
		un morceau de fromage	e fromage	a piece of cheese
		une tranche de jambon	e jambon	a slice of ham
		un chon-fleur		a cauliflower
		une douzaine d'œufs	d'œufs	a dozen eggs
		un kilo d'oignons	ns	1kg of onions
_		un demi-kilo de pommes	e pommes	½ a kilo of apples
		2 kilos de pommes de terre	mes de terre	2kg of potatoes
		cent grammes de tomates	de tomates	100g of tomatoes
		six bananes		six bananas
		When buying food you can use:	ood you can	use:
	-			

2. a number: **six** pommes 3. a quantity followed by de: **un kilo de** pommes

Have a good day!

Bonne journée!

Voilà.

watch the parade

a disguise

share photos

Je partage des photos

Je regarde la parade

un déguisement

Here you go. It's...euros.

1. the indefinite article: une pomme

What would you like? would like...please

hat's everything,

Anything else?

Je voudrais...s'il vous plaît

Vous désirez ?

meet my friends

Je retrouve mes

copains

celebrate?

Et avec ça ? C'est tout, merci.

l eat pancakes

Je mange des crêpes

dance

How much is it?

Ça fait combien ?

I wear a mask and

Je porte un masque et

Je danse

Ça fait...euros.

hanks.

Abrasion Solution (Hydrautic action

4 Types of Erosion

Attrition	Rocks in the riverisea bump into each other, breaking up, becoming rounder/smoother.
Abrasion	Material being carried scrapes river beds/cliffs wearing them down.
Solution/Corrosion	Certain rocks are dissolved by river/sea water.
Hydraulic Action	The force of water expands crack in river banks and coastal cliffs.

YEAR 8 Geography: Rivers and Coasts

Break it: Erosion is the wearing away of rock

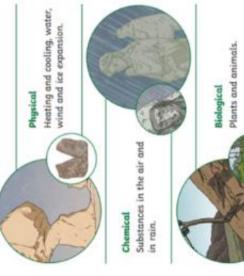
Move it: Transportation is the movement of

material

Make it: Deposition is the dropping off of

material

Weathering Types and Causes



Case study - river landforms: River Tees

The River Tees is located in the north of England. The source of the River Tees is located in the Pennines and it flaws east to its mouth where the river Joins the North Sea.



Coasts Case Study - Happisburgh

Reasons for coastal management

Types of transportation

Suspension

B. Disolved minerals and

carried by the river.

Solution

clay and sediment is carried

by the river.

A. Fine material such as

The coastline is eroding at an average of 2 metres a year

Rock type - the cliffs are made from less resistant boulder clay (made from sands and clays) which slumps when wet. Naturally narrow beaches – these beaches give less protection to the coast as they don't reduce the power of the waves. Man-made structures – groynes have been installed to stop longshore drift and build up the beaches in certain places. This narrows unprotected beaches elsewhere even further, as new sand does not come down to replace sand eroded by waves.

sit bounces along the river

River bed

www.internetgeography.net

Saltation

Traction

Powerful waves - waves at Happisburgh travel long distances over the North Sea (so have a long fetch) which means they will increase in energy.

Year 8 Geography: Population



Key ideas

The world population is expected to reach 8 billion people by 2023. Currently the highest levels of population growth are in the continents of Asia and Africa. Population growth in most parts of Europe is slowing or declining. An ageing population occurs due to rising life expectancy and a declining birth rate within a population. This causes an increase in the average age of the population. In Japan, the number of people aged 65 years or older nearly has quadrupled in the last forty years, to 33 million, while at the same time the birth rate has declined. This has created social and economic problems for Japan.

having one child. The Chinese government was afraid that its birth rate was too high, and it would not be able to care for The One Child Policy was a policy introduced in China, between 1979 and 2015, that limited most families to only its population. The policy was relaxed in 2015 and most families are now permitted to have two children.

Y8 German - Autumn Term 1

Regular verbs With regular verbs, remove the ending -en and add the ending that goes with the pronoun (person).

> spielen- to play spiel(-en)

Ich spiel(e) I play du spiel(st) you play er spiel(t) he plays sie spiel(t) she plays man spiel(t) one plays wir spiel(en) we play you (plural) play ihr spiel(t) sie spiel(en) they play

haben - to have

ich habe I have du hast you have er hat he has sie hat she has man hat one has es hat it has wir haben we have ihr habt you have (plural) thev have

sein - to be

ich bin I am du bist vou are he is er ist sie ist she is one is man ist es ist it is wir sind we are

sie haben

ihr seid you are (plural)

sie sind they are

schlafen - to sleep

ich schlafe I sleep du schläfst you sleep er schläft he sleeps sie schläft she sleeps wir schlafen we sleep ihr schlaft you sleep (plural) sie schlafen thev sleep

sehen - to see

ich sehe I see du siehst vou see er sieht he sees sie sieht she sees wir sehen we see ihr seht you see (plural) sie sehen thev see

essen - to eat

ich esse I eat du isst you eat er isst he eats sie isst she eats we eat wir essen ihr esst you eat (plural) sie essen they eat

Frequency words

immer always oft often manchmal sometimes selten rarely nie never

treffen - to meet

I meet

fahren - to travel/ ride/ go

I travel

vou travel

he travels

she travels

vou travel (plural)

ich treffe

we travel

they travel

ich fahre

du fährst

er fährt

sie fährt

ihr fahrt

wir fahren

sie fahren

du triffst vou meet er trifft he meets sie trifft she meets wir treffen we meet ihr trefft you meet (plural) sie treffen they meet

lesen - to read

ich lese I read du liest vou read er liest he reads sie liest she reads wir lesen we read ihr lest you read (plural) sie lesen they read

tragen - to wear

ich trage l wear du trägst you wear er trägt he wears sie trägt she wears wir tragen we wear ihr tragt

you wear (plural) they wear sie tragen

Jahreszeiten Seasons

Frühling Spring Sommer Summer Herbst Autumn

Winter

Winter

Connectives

und and oder or aber but denn because

Five key words

Frühling Spring faulenzen to laze around er isst he eats ich treffe I meet ich fahre I travel

Y8 German - Autumn Term 2

Kleider/ Klamotten Clothes

der Rock skirt
der Mantel coat
der Anzug suit
der Kapuzenpulli hoodie
die Jeanshose/ die Jeans

die Hose trousers
das Kleid dress
das Hemd shirt
das T-Shirt T-shirt
die Schuhe shoes
die Stiefel boots
die Sandalen sandals

Wie ist es? What is it like?

kurz short lang long weit wide-leg/ baggy schmal slim-leg/ skinny smart schick locker casual checkered kariert gepunktet spotty/ polka dot gestreift stripy glänzend glittery

Wie ist dein Stil? What is your style?

lässig informal trendig trendy sportlich sporty klassisch classic

High frequency words

when/if wenn immer always zum Beispiel for example first of all zuerst since/ for seit für for möglich possible pro Jahr per year nächstes Jahr next year teuer expensive all/everyone alle in order to um... zu

Was trägst du? What do you wear? What are you wearing?

I wear/ I am wearing ich trage... einen kurzen Rock a short skirt einen langen Mantel a long coat einen lockeren Kapuzenpulli a casual hoodie eine weite Hose a baggy pair of trousers eine schmale Jeanshose a pair of skinny jeans ein kariertes Hemd a checkered shirt ein gepunktetes Kleid a spotty dress ein gestreiftes T-Shirt a stripy T-shirt schicke Stiefel smart boots

Five key words

die Schuhe the shoes

trendia trendy

ich ziehe mich an

l get dressed

einige Leute

some people

viele Kinder

many children

ein erstes Date

Was wirst du machen?
ich werde...
die Karten im Voraus kaufen
einen guten Film auswählen
früh ankommen
abholen
etwas Schickes anziehen
genug Geld mitnehmen
mit dem Bus in die Stadt fahren
ins Kino gehen
essen gehen

A first date

What will you do?
I will...
buy the tickets in advance
choose a good film
arrive early
pick up
put on something smart
take enough money with me
go by bus to town
go to the cinema
ao out to eat

ich mache mich fertig

ich style mir die Haare
ich mache mir die Haare
ich putze mir die Zähne
ich schminke mich
ich ziehe mich an
ich sehe mich im Spiegel an
ich benutze ein Deo
ich wähle meine Kleider aus

I get myself ready

I style my hair
I do my hair
I brush my teeth
I put on make-up
I get dressed
I look at myself in the mirror
I put on deodorant
I choose my clothes

Diskussion und Debatte

Viele/ Einige Leute sagen Meiner Meinung nach Erstens Zweitens Schließlich Du hast gesagt ... aber ich denke Auf der einen Seite

Discussion and debate

Many/some people say In my opinion Firstly Secondly Finally You said... but I think On the one hand

	Chronology	Key People	Role	Key discoveries / ideas
1603	Elizabeth 1 dies, James 1 becomes	Matthew Hopkins	The Witch finder General	In 1533, Henry VIII broke from the church and married the now
	the first Stuart monarch.	Charles I	Son of James 1	pregnant Anne Boleyn in a secret ceremony. This solved his heir
1605	Gunpowder plot	Charles II	The son of Charles I	problem, but Henry was excommunicated by the Pope. The
1636	rich Charles	- James I	The first Stuart King	English Reformation had begun.
C70T	Citaties I becomes ning.	Henrietta Maria	Wife of Charles I	
1629	Charles dissolves parliament for	Pym	Organised the Grand Remonstrance.	James I was a Protestant but was tolerant towards the Catholics. However he introduced strict anti-Catholic laws after the
	tne next 11 years. 'Personal rule'.	Robert Catesby	Leader of the Gunpowder plotters.	Glippowder Plot
1633	Charles appoints William Laud as	Guido Fawkes	Gunpowder expert found in the cellar.	Charles I tried to introduce Arminian changes. Arminianism is a
	Archbishop.	Prince Rupert	Nephew of Charles I. In charge of the	form of Protestantism that has a lot in common with Catholicism.
1634	Charles expands 'ship money'		Royalist Cavalry.	Charles ended up fighting a civil war against Oliver Cromwell –
1637	Leading puritans are mutilated	John Bradshaw	Led the trial of Charles I	who was a Puritan (a very strict Protestant who wanted to get rid
1637-39	Charles tries to introduce a new	Oliver Cromwell	Puritan army leader of the	of ritual in church services and lead a plain and simple life).
	Prayer book in Scotland		roundheads.	T
1640	The Long Parliament	Lord Fairfax	Led the New Model Army	the princing press is thought to have been invented in definionly by Johannes Gutenberg around 1450 and by the end of the
1641	The Grand Remonstrance	Burton. Prynne and	Appointed Archbishop of Canterbury, Wrote pamphlets criticising Charles.	century printed books were available in London. This meant that
1642	Charles tries to arrest 5 MPS	Bastwick	0	ideas could be printed and spread quickly.
Jan.				
1642 March	Parliament takes control of the	Cor	Common misconceptions	Useful Websites/books/films/documentaries
	army.	At least one in 10 – or p	r perhaps as many as one in five – men	https://www.hhc.co.iik/hitasiza/griidas/zkv82hv/ravision/1
1642 June	Nineteen Propositions	in England and Wales	in England and Wales fought in the Civil War. It has been	1/1011/ W W W W W W W W W W W W W W W W W W
1642 August	Charles raised his standard at Nottingham- War began.	calculated that loss of l population of the time,	calculated that loss of life, in proportion to the national population of the time, was greater than in the First World	Nttps://kids.britannica.com/kids/article/Englisn-LIVII- War/476240#:~:text=The%20English%20Civil%20War%20was,wh
1642	Battle of Edgehill	- war.		en%zoengland%zonad%zono%zomonalcn.
1644	Battle of Marston Moor	In England, witchcraft	In England, witchcraft became a crime in 1542, a statute	0//os28/w0/v0/3=/c6date/w/moa edititio//www/w//:arthd
1645	Battle of Naseby	renewed in 1562 and	renewed in 1562 and 1604. As such, most witches across	
1645-46	Witch Craze	Europe received the u	Europe received the usual penalty for murder – hanging	https://www.youtube.com/watch?v=cEE1FbHzZt0
1646-48	Second Civil War	(though in Scotland a	(though in Scotland and under the Spanish Inquisition	
1649	Execution of Charles	witches were burned).		https://www.youtube.com/watch?v=bqi0Wd68Mio
1649-60	Interregnum	The Gunpowder plot	The Gunpowder plot was led by Robert Catesby.	https://vimeo.com/290470347

		Key words and concepts		
1. Monarch	2. Roundhead	3. Divine Right	4. Puritan	5. Reformation
The king or queen	The term given to the soldiers that fought for Parliament. Named after their short haircuts!	The belief held by Kings & Queens that they had been appointed by God to rule.	A very strict form of Protestantism. Many MPs were Puritans.	A movement in the 16 th century which led to the foundation of Protestantism.
6. Treason	7. Cavaliers	8. Ship Money	9. Grand Remonstrance	10. Parliament
The crime of betraying one's country, especially by attempting to kill or overthrow	The term given to soldiers on horses. They fought for the King in the English Civil War.	A tax normally paid by Costal towns. Charles extended this inland.	Organised by John Pym. A summary of all the criticisms that Parliament had with the	Called by the king when he chose. Approved laws and proposed their own. Were
the sovereign or government.			King.	supposed to approve all taxes.
11. Nineteen Propositions	12. Declaration of Breda	13. Republic	14. Civil War	15. Levellers
A set of demands that parliament laid out to Charles.	Promises that Charles II made to restore the monarchy.	A country with elected representatives.	A war between citizens of the same country.	A group who wished to abolish the monarchy.
16. Mew Model Army	17. The Long parliament	18. Royalist	19. Witch craze	20. Conspiracy
England's first professional army.	From 1640 parliament was in session for the next 20 years.	Someone who supports the monarchy.	People were accused of witchcraft in larger numbers.	A secret plan to do something harmful.
21. Lord Protector	22. Regicide	23. Interregnum	24. Superstition	25. Tyrant
Oliver Cromwell's title.	The act of killing a king.	In between kings.	Belief in the super-natural.	A cruel and oppressive ruler.
	Important im	mages - Catholic or Protestant?	Protestant?	
Henry VIII Ed	Edward VI Mary I Elizabeth I	Charles 1	Cromwell Charles II James II	NVIIIam III

Year 8 Knowledge Organiser **SOLVING EQUATIONS**

Key Concept

Inverse **Operations**

Operation	Inverse
+	_
_	+
×	÷
÷	×
x ²	\sqrt{x}
÷	X

To check your answer, use substitution

Key Words

Unknown: A letter which represents a number we do not know the value of.

Terms: The numbers and letters in the expression or equation.

Inverse: The operation which will do the opposite.

Examples

x + 9 = 16 -9 -9 x = 7	x-12 = 20 +12 +12 x = 32	$\frac{x}{3} = 5$ $x = 3$ $x = 15$	$2x + 5 = 14$ -5 -5 $2x = 9$ $\div 2$ $\div 2$ $x = 4.5$

$\frac{x}{-} - 2 = 4$	2(3x + 5) = -14
4	expand
+2 +2	6x + 10 = -14
x	-10 -10
$\frac{n}{4} = 6$	6x = - 24
×4 ×4	÷6 ÷6
	x = - 4
x = 24	

2x + 7 = 5x + 1(smallest x term) +7 = 3x + 16 = 3x÷3 ÷3 2 = x

Tip

Answers can be:

- Integers
- **Decimals**
- Fractions
- negatives

Questions

1)
$$x + 8 = 19$$
 2) $y - 25 = 15$

4)
$$\frac{t}{-} = 7$$

$$5)\frac{p}{2}-6=2$$

6)
$$3(2x-3) = 15$$

7)
$$4x - 8 = 2x + 1$$

ANSWERS: 1) x = 11, 2) y = 40, 3) y = 41, 4) t = 28, 5) p = 16, 6) x = 4, 7) x = 4

Year 8 Knowledge Organiser ANGLES (lines/points)

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Key Concepts

Angles at a point add up to 360°.

Angles on a straight line add up to 180°.



angles are equal. angles are equal.



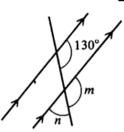
Key Words

Intersect: Two lines which cross.

Parallel: Two lines which never intersect. Marked by an arrow on each line.

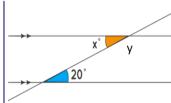
Transversal: A line which intersects two parallel lines.

Examples



 $m = 130^{\circ}$ as corresponding angles are equal.

 $n = 50^{\circ}$ as angles on a line add to 180°



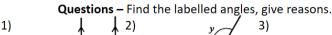
 $x = 20^{\circ}$ as alternate angles are equal y = 160° as angles on a straight line add up to 180°

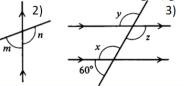
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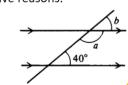
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Tip

These angle properties can be used alongside all the other angle properties that you have learnt.

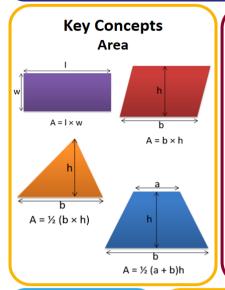






ANSWERS: 1) m = 70°, n = 110° 2) x = 120°, y = 120°, z = 120° 3) a = 140°, b = 40°

Year 8 Knowledge Organiser AREA AND PERIMETER



Key Words

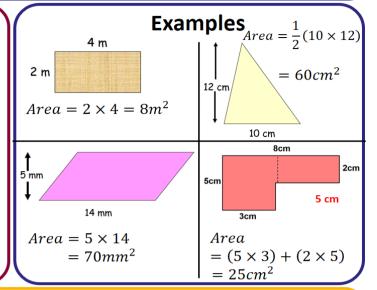
Area: The amount of square units that fit inside the shape.

Perimeter: The distance around the outside of the shape.

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

Shapes:

Rectangle, Triangle, Parallelogram, Trapezium, Kite.



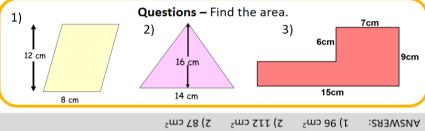
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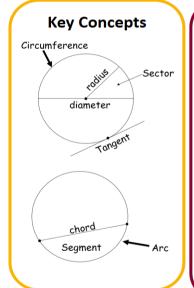
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Tip

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



Year 8 Knowledge Organiser CIRCLES AND COMPOUND AREA



Key Words

Diameter: Distance from one side of the circle to the other, going through the centre.

Radius: Distance from the centre of a circle to the circumference.

Chord: A line that intersects the circle at two points.

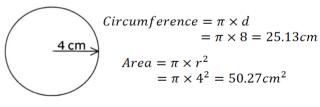
Tangent: A line that touches the circle at only one point.

Compound (shape):

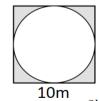
More than one shape joined to make a different shape.

Examples

Find the area and circumference to 2dp.



Find shaded area to 2dp.



 $Square\ area = 10 \times 10$ $= 100m^2$

Circle area = $\pi \times r^2$ = $\pi \times 5^2$ = 78.54 m^2

 $Shaded\ area = 100 - 78.54 = 21.46m^2$

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If you don't have a calculator you can leave your answer in terms of π .

Formula

Circle Area = $\pi \times r^2$ Circumference = $\pi \times d$

Ouestions

1) Find to 1dp the area and circumference of a circle with:

a) Radius = 5cm b) Diameter = 12mm c) Radius = 9m 2) Find the area & perimeter of a semi-circle with diameter of 15cm.

ANSWERS: 1) a) A = 78.5cm², C = 31.4cm b) A = 113.1mm², C = 37.7mm c) A = 254.5m², C = 56.5m 2) A = 88.4cm², P = 38.6cm

Music Introduction to Music Technology/Musical Futures

An introduct	An introduction to the key terms of Music Technology
DAW	Digital Audio Workstation – a computer programme (for example Garageband, Soundlab, Cubase, Logic) that allows music to be created and recorded.
Audio	Sound that has been recorded
Sample	Taking a pre-recorded piece of audio and using it in another piece of music
Loop	A sample that is repeated
Remix	Reworking a song into a different style.
	Key term - Effects
A process by w	A process by which a sound can be changed or manipulated
Reverb	An effect that changes the sound of the space that is performed or recorded in
Delay	An effect that repeats the sound like an echo
EQ	An effect that changes the frequency (tone quality) of the sound
	Instruments
Synthesizer	An electronic instrument that generates sound
Drum Machine	An electronic drum kit
	Key term - Texture
Layered Texture	A texture often referred to in pop and dance music where the texture is developed by adding and removing parts one at a time.
	0

Multiple tracks of audio layered togeth Pan Moving sound either left or right of the speakers or headphones Solo Playing only one track at a time Mute Silences a track Moving notes to lock into an accurate rhythmic grid, allowing correction whe notes are slightly out of time notes are slightly out of time spearately Velocity The volume of each individual note separately at different times. Reverse The audio is played backwards	2	Music Technology Vocabulary
ntization city dubbing	Multitrack	Multiple tracks of audio layered together
ation	Pan	Moving sound either left or right of the speakers or headphones
ation	Solo	Playing only one track at a time
ation	Mute	Silences a track
ation		Moving notes to lock into an accurate
bing	Quantization	rhythmic grid, allowing correction when
bing		notes are slightly out of time
bing	Velocity	The volume of each individual note
2	Overdubbing	Where multiple tracks are recorded
	Sugannia	separately at different times.
	Reverse	The audio is played backwards

Music Technology	logy
Practical Skills	Learning how to edit and arrange music using computer software.
2010000	Identification and application of vocabulary relating to music technology
Guillaseuri	Listening to songs to identify main structural features
Performing	Using a DAW to arrange and record music from pop and dance tracks
Composing	Compose, record and edit simple melodic lines and chord patterns using technology
Contextual	Short research project based upon
knowledge	Electronic music styles and composers

Music Introduction to Music Technology/Musical Futures

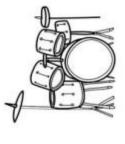
		37
, and the second	Key term - Chorde/Harmony	Musical
Revising and de	Revising and developing knowledge of chords and triads	5
	from previous unit (Y7/2)	SKIIIS
Major Chords	I, IV, V	
Minor Chords	ii, iii, vi	Listenin
Bass line	Recognising the importance of a bass line in supporting the harmony	Perform
	Key term - Structure	die in me de de
Learning about	Learning about the structural sections of a typical song	+ valibas
Introduction	The opening	!
Verse	A section where the music is the same, but the lyrics change each time it is heard	Camerana 4
Bridge	A section linking two sections, often between the verse and chorus	6
Chorus	The most memorable section with a catcy hook that is repeated several times during the song	1 - 10 - 11 Julius - communication
Middle 8	A contrasting section often after the second chorus	(
Outro	The closing section often fading out.	
Instrumental	A section with no lyrics but an instrumental solo	

Musical Futures	sə
	Learning chord sequences and
Skills	performance techniques on a range of
	instruments
lictoring	Listening to original versions of songs
Fistering	performed to identify performance features
Performing	Performing songs in class using a variety of
8	instruments and voices.

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8.1 & 8.2 KS3 Core PE Knowledge Organiser: Immediate Effects of Exercise on the Body

	Immediate Effects of Exercise on the Body	ódy	Key Vocahiilary:
	Immediate Effects of Training	Body System	Skeletal, Muscular, Cardiovascular,
	Increase temperature of synovial fluid in joints	The Skeletal	Respiratory, Muscles, Lactic acid (lactate), Flexibility, Heart rate,
2	Increased flexibility	System	Blood, Breathing, Gaseous exchange, Oxvgen, Carbon Dioxide
3	Rise in muscle temperature		
4	Increased blood flow to muscles		
2	Increased flexibility	The Muscular	
9	Muscle fatigue and soreness , sometimes cramp (due to increased lactate production)	System	
38	Lactate accumulation, if oxygen not supplied quick enough due to working anaerobically		
8	Increased heart rate, cardiac output and stroke volume		Common Misconceptions:
6	Blood diverted to muscles from digestion and other systems (vascular shunting)	The Cardiovascular System	 Immediate (snort term) effects the way the body responds as soon as it starts to exercise or
10	Increase in blood pressure		responds to an increase of
11	Increased rate of breathing		mensity. These changes help to meet the increased demands.
12	Increased rate of gaseous exchange (uptake of O ₂ and production of CO ₂)	The Respiratory	Adaptations (long term) effects regular exercise or training will
13	Increased depth of breathing (tidal volume)	System	systems increasing performance in
14	Oxygen deficit (if oxygen supply cannot meet demand)		that type of exercise or sport and beneficial to general health.

Example question:

Q) Which one of the following is a **short-term effect** of exercise on the **cardio**respiratory system?

A – decrease in heart rate

B - increase in muscle

strength

C - decrease in breathing rate

D - increase in blood pressure

Command Word: WHICH

Mainly used in multiple-choice questions where example 'Which **one** of the following…'

multiple choice questions where you are unsure which answers are definitely incorrect. Use the Hint - Process of elimination can be good for of the correct answer. Start by working out keywords in the question to help you.)

Command Word: EXPLAIN Requires a justification/exemplification of a point The answer must contain some linked reasoning

Worked example:

 Q) Explain why sports performers may reduce the intensity they are working at during a game. (4 marks)

able to produce the energy it needs for the level of activity, due to an increase They may experience muscle fatigue (1). This occurs when the muscle is not that the muscles have to reduce the intensity they are working at to allow the in acidity in the muscle cells (1). This slows energy production (1), meaning muscles time to recover (1).

Applied to different sports...

For a footballer this may mean... less pace, losing their opponent and less impact on the game. A 1500m runner may become...not able to run as fast in later laps and record What about in your a slower time

favourite sport?

Other positive effects of exercise...

a selection from a set of options is required, for



and reduces stress and anxiety. Problems in these No matter what your current weight, being active areas frequently cause or contribute to cognitive boosts high-density lipoprotein (HDL), or "good," cholesterol and decreases unhealthy



triglycerides.

chores? Regular physical activity can improve your muscle strength and boost your endurance. Winded by grocery shopping or household



produced in the gut, meaning the majority of our immune system is housed in the gut. Over 70% of the body's immune cells are



outcomes for prostate cancer patients to treating chronic pain, being physically active can improve From boosting cognitive function to improving



around affected joints strong, decrease bone loss and may help control joint swelling and pain.

Regular physical activity can keep the muscles



Exercise should definitely be the mainstay of the prevention and treatment of osteoporosis; often enow-how for evidencebased prescription of however, physicians don't have enough



Resistance exercises strengthen muscles, which, in turn, provide better support and protection for the foot as a whole.

happier due to increased serotonin levels. Random Fact: Exercise makes you feel

Religious Studies Year 8: Prejudice and Discrimination

Key Word	Definition
Prejudice	Pre-judging someone before you know them.
Discrimination	Treating someone differently because of eg race
Racism	Prejudice / discrimination based on ethnicity.
Gentile	A term used for someone who is not Jewish.
Anti-Semitism	Treating Jewish people with hostility.
The Shoah	Hebrew name for the Nazi destruction of Jews.
Slave Trade	Usually means black Africans transported and sold as slaves by European nations / North America.
증 Civil Rights Movement	Fighting for justice for black Americans.
Sexism	Gender prejudice.
Burka / burqa	One-piece veil covering face and body worn by some Muslim women.
Caste system	Classes within traditional Indian (Hindu?) society.
Outcaste	Someone outside the caste system, sometimes called an untouchable.

Key Quotes

Judaism / Christianity: 'All humans created in God's image' (Genesis)

Christianity: Jesus taught the Parable of the Good Samaritan and 'Love your neighbour'

Christianity: "So there is no difference between Jews and Gentiles, between slaves and free men, between men and women; you are all one in union with Christ Jesus." (St Paul in Galatians 3)

Islam: The Qur'an "Husbands should take good care of their wives'

What is prejudice and why?

prejudices. Why are humans prejudiced? We don't like difference, it can threaten us, make us afraid, or we can be jealous of a group, thinking that we would like to Prejudice can lead to discrimination, where a person / group are treated differently. Prejudice is thoughts, discrimination puts it into actions. We usually think of prejudice and discrimination as negative and divisive, but some talk of positive discrimination, where a group is treated more favourably to counteract past have what they have.

Racism

everyone regardless of their race. In the 20th century Rev Dr Martin Luther King is an example of a Christian who fought against racism with some success. He was a acknowledgement of the evils of the slave trade and other forms of racism. Most modern Christians would want to point to Jesus as someone who welcomed Racism includes colour prejudice, judging differently because of skin colour, and prejudice based on different nationalities. In the past countries like Britain participated in the slave trade, assuming whites were the superior race. Some Christians misused Bible teachings to justify this. There is continuing leader in the Civil Rights Movement and his dream was for equality..

Sexisn

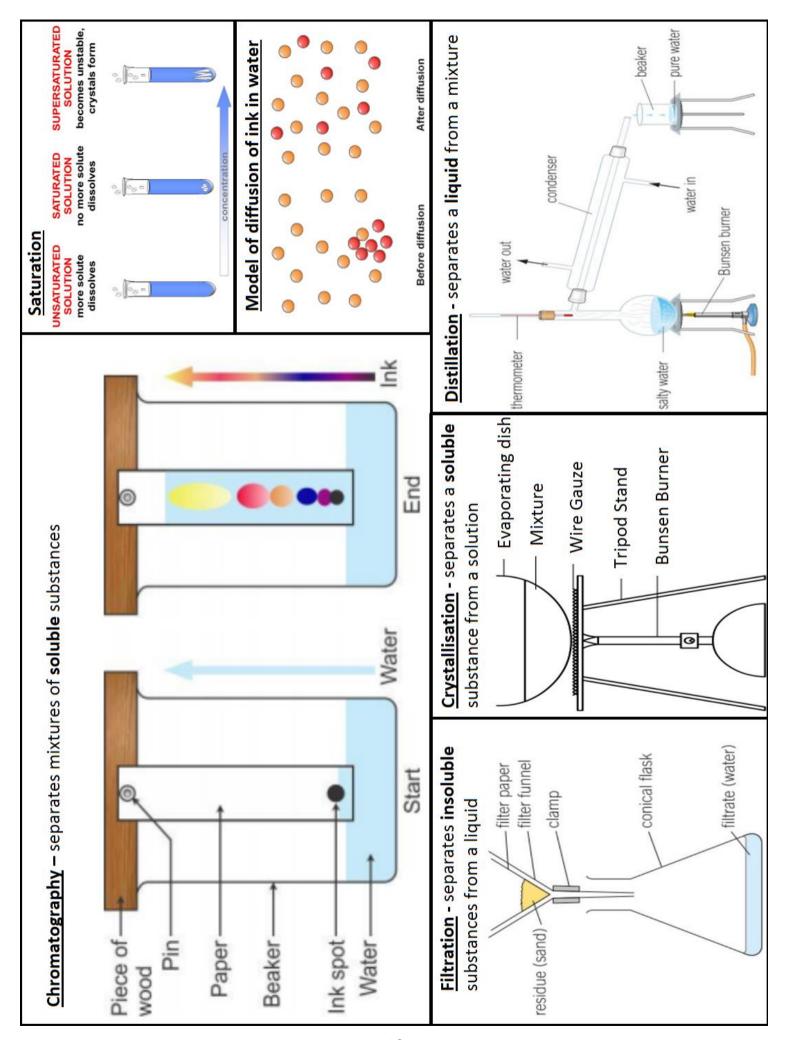
home, while men have a duty to look after the family financially, but a woman may choose to work – and many Muslim women have become successful in business. Gender prejudice is judging someone differently based on their gender. It is often assumed that women are seen as less important within Islam, with non-Muslims pointing to women wearing burkas as an example of this. However Muslims stress men and women are equal but different. Women have a key role to play in the Malala Yousafzai is an example of a Muslim who has spoken out for gender equality. Some Muslim countries like Saudi Arabia do have rules which seem to discriminate against women, but other Muslims point out this is about culture, not religion.

Anti-Semitism

Jewish people have too often been treated badly by others, most notably by Nazi Germany, with the Shoah culminating in the death of approximately 6 million Jews in death camps such as Auschwitz. In Europe Jews have been a minority, and the Christian majority often viewed them with suspicion. In medieval times Jews were persecuted in England, and still today there is anti-Semitism around.

The Caste System

reincarnation, different castes had different duties and the outcastes were outsiders and treated badly at times. Most modern Hindus dislike the idea of caste, Traditionally Indian society was split into 4 castes, Brahmins at the top and Shudras (servants) at the bottom. Movement happened only after death with arguing it is tradition not religion and in India negative discrimination due to caste is illegal.



Year 8 Chemistry Knowledge Organiser - Solutions	Brownian Motion	otion	
Pressure Gas pressure is the force exerted by gas particles per unit area of a surface.	Particles in gacalled Brown we can use a	Particles in gases and liquids move about randomly . This is called Brownian motion . Particles are too small to see but we can use a microscope and smoke to watch them.	bout randomly . This is re too small to see but to watch them.
Water Pressure When we go below the surface of the water, it exerts a pressure on our bodies. The deeper we go, the greater the pressure.	Pressure = (pascal, Pa)	= <u>Force</u> (N) oa) Area (m²)	Tier 2 Vocabulary Factor Temperature Concentration
Diffusion The movement of liquid or gas particles from a place of high concentration to a place of low concentration. Factors affecting diffusion	Conservation of Mass In a chemical reaction mass of reactants is evertotal mass of the proc	Conservation of Mass In a chemical reaction, the total mass of reactants is equal to the total mass of the products.	Dissolving Separating Randomly Soluble
•temperature •particle size	Key word	Definition	Tier 3 Vocabulary
	solvent	a liquid that dissolves substances, e.g. water	Particle Pressure
Solubility How easily a substance will dissolve. The solubility of a substance is the mass that dissolves in a 100 g of solvent	solute	a substance that is dissolved by a solvent, e.g. sugar	Conservation of Mass Reactant
Factors affecting solubility •temperature	solution	a solute dissolved in a solvent, e.g. sugar dissolved in water	Product Solubility Solvent
•type of solute •type of solvent	soluble substance	a substance that will dissolve in solvent, e.g. salt (in water)	Solute Solution
Effect of temperature on pressure in gases When a gas is heated the particles move faster. In a container the gas is trapped so the particles hit the wall	insoluble substance	a substance that will <u>not</u> dissolve in any amount of solvent, e.g. sand mixed with water	Diffusion Brownian Motion Filtration Crystallisation
walls more often. As they move laster and laster they mit the walls more often. The pressure on the walls of the container therefore increases.	dissolve	when particles of a solute are separated and surrounded by a solvent	Distillation Chromatography

Tier 2 Vocabulary Tier 3 Vocabulary Greenhouse effect **Electrostatic Transparent Translucent Transferred** Gravitation Mechanical Renewable Dispersion Destroyed Reflection Refraction **Efficiently** Luminous Electricity Magnetic Radiation Charged Chemical Heating Reliable Opaque Capacity Created Nuclear Elastic Energy Kinetic Work Field Fuel When light moves from one material to Substance 1 Substance 2 Luminous objects (like the Sun) tables) can only be seen when emit (give off) their own light. Refracted ray Non-luminous objects (like Luminous/non-luminous another it changes direction. they reflect light. Angle of refraction 006 Refraction Angle of incidence Year 8 Knowledge Organiser Physics – Topic 1 - Energy Incident ray Boundary Reflected ray The law of reflection states that the angle of incidence is equal to the angle of reflection. Translucent - transmits some light, but Reflection is when light bounces off of a Transparent - allows light to pass Opaque - blocks light. Light is not straight through. Image is clear. transmitted. No image. image is blurry/fuzzy. surface like a mirror. **Types of material** Incident ray Reflection

Energy

Energy is a model that describes an object's capacity to do work.

The symbol for energy is E and the unit is the joule (or J).

Work Done Work is done when an object is moved a distance d by a force F.

Work done (J) = Force (N) \times Distance (m)

Conservation of Energy

Energy can neither be created nor destroyed, only transferred from one form to another.

Energy Pathways/transfers Heating Electrical work (current) Mechanical work Radiation

System of transformers and cables that transfer electricity efficiently.

Energy Store	Example
Chemical	Cell, battery, food
Gravitational Potential A raised object	A raised object
Electrostatic	Nearby Charged particles
Magnetic	Iron nail in magnetic field
Kinetic	A moving object
Nuclear	Particles in the nucleus
Thermal	A heated object
Elastic Potential	A stretched or squashed object

Renewable energy resources

Renewable means the energy resource is replenished as quickly as it is used.

Wind and solar power are good examples of renewable resources.

Adv: No greenhouse gases are emitted.

Disadv: Unreliable (if no wind/sun).

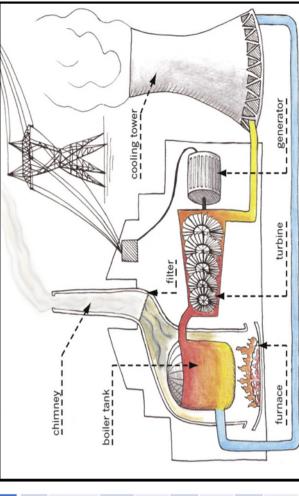
of years by crushing organic material under sediment.

Fossil fuels. Like coal, oil and gas. Created over millions

Adv: Reliable, available.

Disadv: Emits greenhouse gases, non-renewable.

<u>Power stations</u> Water is heated by a fuel source. Water turns into steam. High pressure steam turns turbine, which turns generator and produces electricity.



Spanish Y8 Autumn term Knowledge Organiser

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	le kau	ney spellings	Secondanien Iniere	of not all oliv		Senu et omos?	MOL	HOW WAS ILE
	Learn these spellings, they will be really	, they will be really		with?	Fue		It was	
	useful for this unit an	useful for this unit and you will be tested on	Fui con	I went with	divertido		fun/funny	
	them.	•	mi familia	my family	fenomenal/estupendo	stupendo	fantastic/brilliant	ant
	1. fui	I went	mi clase/mi insti	my class/school	flinanto/donio	or local	omocomo/oro	- t
•	2. hice	l did	mis amigos/as	my friends	IIIpanite/genia		awesune/great	at
	3. fue	it was	mis padres	my parents	guay		rool	
•	4. el año pasado	last vear	Can you remember other family members	ther family members	regular		okay	
•	5 guay	cool	to add? e.g. mi hermano	ano	un desastre		a disaster	
→ [o. gaay		6		horrible/horroroso	oroso	horrible/terrible	le
	Key vocabulary and questions	and guestions	¿Qué tiempo hizo?	What was the weather	me gustó/no me gustó	me gustó	I liked it/I didn't like it	i't like it
<u> </u>				like?	me encantó		I loved it	
	¿Adónde fuiste?	Where did you	hizo buen/mal	the weather was good	Can you jus	tify your opi	Can you justify your opinión using porque? - e.g fue	9? − e.g fue
		joß	odinian		norrible porque llovio	due Ilovio		
	Fui a	I went to	Hizo mal tiempo	The weather was bad	_	Ton out only	The profes	ite
	Fuimos a	We went to	hizo calor/frío	it was hot/cold		vey gramm	key grammar – The pretente	lie
	Alemania	Germany	hizo sol	it was sunny	Use the prete	rite to talk ab	Use the preterite to talk about past actions (I went, I ate,	vent, I ate, I
	Escocia	Scotland	hizo viento	it was windy		10 May 10		- G-1
4	España	Spain	llovió	it rained	1. Start v	Start With the Infilhitive (endir	Start With the Infinitive (ending in -ar/-er/ir)	r/III).
6	Francia	France	nevó	it snowed		ve title -aii/ei/i	Nemove the sanconiate ending using the table below	ahla halow
•	Grecia	Greece	hese and the	activities below to make		Nadar = To swim	vim Nad- Nim	Nadé = I swam
	Gales	Wales		g cuando (when).	Be	Beber = To drink	Beb-	Bebió = he drank
	Inglaterra	England	0.45	V				
•	Irlanda	Ireland	in an inclusion in the state of	what ald you do?	Learn these e	endings so yo	Learn these endings so you can talk about anyone in the past	yone in the past
•	Italia	Italy	Dalle	l danced	tense.			
•	Portugal	Portugal	compré una camiseta	I bought a I-shirt	Useful tip: The	e endings for	Useful tip: The endings for -er and -ir verbs are the same in	e the same in
	Can vou use a dictionary to look up	onary to look up	descansé en la playa	I relaxed on the beach	terite	-		
	more countries?	•	mandé/escribí SMS	I sent/wrote texts	Bailar	To dance	Comer/Subir	To eat/To
. 1			monté en bicicleta	I rode my bike	1		:	climb
	¿Cómo	How did you	nadé en el mar	I swam in the sea	baile	danced	comi/subi	l ate/climbed
	Tuiste/Viajaste?	Ilwe went by	saqué fotos	I took photos	bailaste yo	you danced	comiste/ subiste	nok
	rui/ruiiilos ell	nwe wellt by	tomé el sol	I sunbathed				ate/climbed
	avion	plane	visité monumentos	I visited monuments	bailó (s	ey(s)	comió/ subió	s(he)
	liell	li alli	bebí una limonada	I drank a lemonade	\dashv	danced		ate/climbed
	parco	Doat	vi un castillo	I saw a castle	bailamos w	we danced	comimos/	we ate/climbed
	cocne	car	vi dii casano	I saw a casao			somiqns	
	autocar	coach	conoci un cnico/una	ı met a boyığırı	bailasteis yo		comisteis/	you (pl)
	Can you find out what these other	lat these other	comí paolla	l oto poollo	ď	danced	subisteis	ate/climbed
	modes of transport are? bicicleta,	are? bicicleta,	colf con mis omisso	I ale paella	bailaron th	they	comieron/	they
_	monopatin, autobus		sall con IIIIs allilgos	I we'll out with mends	ď	danced	subieron	ate/climbed

Y8 Autumn term Knowledge Organiser Spanish

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programme do you

prefer?

prefer

e E

sports programmes

los programas de deportes

don't like.

No me gustan...

Me gustan...

Prefiero...

las comedías

comedies

documentaries reality shows

los documentales

los realitys

los concursos

gameshows

What type of TV

¿Qué tipo de programa

prefieres?

Keys	Key spellings
Learn these spellings	Learn these spellings, they will be really useful
for this unit and you will be tested on them	ill be tested on them.
 una película 	a film
un programa	a TV programme
3. más	more
4. menos	less
5. prefiero	I prefer

questions
ō
and
>
a
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oca
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key

¿Qué haces con tu	What do you do with
móvil?	your mobile?
chateo con mis	I chat with my friends
amigos	
comparto vídeos	I share videos
descargo	I download apps
aplicaciones	
hablo por Skype	I speak on Skype
juego	I play
leo mis SMS	I read my texts
mando SMS	I send texts
veo películas	I watch films
saco fotos	I take photos
escucho música	I listen to music
Look back at how to use the preterite, can	use the preterite, can
vou put these into the past tense?	past tense?

¿Con qué frecuencia?	How often?
todos los días	every day
a menudo	often
dos o tres veces a la	2 or 3 times a week
semana	
a veces	sometimes
una vez a la semana	once a week
de vez en cuando	from time to time
nunca	never

Skype Italk asia/kárate Italk linea Italk	siste ayer?	What did you do yesterday?
talk		went to the cinema
	_	talked on Skype
pla Sav Idid 		I did gymnastics/karate
Sav	_	yed online
a a a b oop	_	w a film
: : : : : : : : : : : : : : : : : : :	Н	I didn't do homework
e gusta (mucho) I (really o me gusta (nada) I (really like e encanta I love dio I hate rap RnB RnB RnB RnB RnB RnB Rusica electrónica electrónica música pop muisica de 's scucho la música pop I listen t scucho de todo I listen t	Qué tipo de música te	What type of music
e gusta (mucho) I (really like o me gusta (nada) I (really like e encanta I love dio I hate dio I hate rap RnB música clásica classica música pop pop mu música de scucho la música pop scucho de todo I listen t scucho de todo I listen t emember to remove el/la before	gusta?	do you like?
encanta I (really like e encanta I love dio I hate rap RnB RnB RnB música clásica classica música pop pop mumisica de música de scucho la música pop l listen tento cucho de todo scucho de todo l listen tento cucho de todo l listen tento cucho cucho de todo member to remove el/la before cucho de todo l listen tento cucho cuc	e gusta (mucho)	I (really) like
Iike Ilove Ilove Ilove Ilove Inde Ind	o me gusta (nada)	l (really) don't
e encanta I love dio I hate rap rap RnB RnB música clásica classica música electrónica electron música pop pop mus música de 's scucho la música pop I listen t scucho de todo I listen t emember to remove el/la before usic when you use it with Escu		like
dio I hate rap rap RnB RnB música clásica classica música pop pop mu música de 's scucho la música pop I listen t scucho de todo I listen t smember to remove el/la before	e encanta	l love
RnB música clásica classica música electrónica electron música pop musica pop musica de scucho la música pop listen t scucho de todo listen t seucho de todo listen t	dio	I hate
RnB música clásica música electrónica música pop música de scucho la música pop scucho de todo elisten temove el/la before	rap	rap
música clásica classica música electrónica electron música pop pop mus música de s cucho la música pop listen t scucho de todo listen t smember to remove el/la before	RnB	RnB
música electrónica electron música pop mus música de's scucho la música pop I listen t scucho de todo I listen t seucho de todo I listen t	música clásica	classical music
música pop puumisica des scucho la música pop Ilisten to scucho de todo Ilisten to emove el/la before la mário escuria esta esta esta esta esta esta esta est	música electrónica	electronic music
scucho la música pop I listen t scucho de todo I listen t seucho de todo I listen t smember to remove el/la before	música pop	pop music
scucho la música pop I listen t scucho de todo I listen t emember to remove el/la before	música de	s music
scucho de todo I listen t emember to remove el/la before	scucho la música pop	I listen to pop music
emember to remove el/la before	scucho de todo	I listen to everything
usic when you use it with Escu	member to remove el/la	a before the type of
acio milei joa ace it mili Ecea	music when you use it with Escucho:	th Escucho:
Escucho el rap	scucho el rap	

because they are...

soaps

more/les...than..

más/menos...que.

informative interesting

informativos/as

divertidos/as

funny

(detective) series

las series (policíacas)

las telenovelas

porque son...

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Key grammar	
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Remember to make your adjectives agree – las

telenovelas son divertid<mark>as.</mark>

exciting

emocionantes

aburridos/as interesantes

boring

The present tense works the same way as the preterite, but is used to talk about actions you do regularly or something you are doing right subimos sagns Subir subis ler of the endings you learnt in Y7: oqns sube (I play, I am playing) Here is a comemos comes coméis Comer comen come como

		do regu
¿Cuál es tu cantante/grupo	What type of music do	now.
favorito?	you like?	remind
Mi cantante favorito/a es	My favourite singer is	Bailar
Mi grupo favorito es	My favourite group is	
Mi canción favorita es	My favourite song is	pallo
porque es	because it is	bailas
porque me gusta/no me	because I like/don't	haila
gusta	like	Dalla
la letra	the lyrics	bailam
el ritmo	the rhythm	bailáis
la melodía	the tune	a died
Don't forget to use porque to justify your opinions.	justify your opinions.	Dalla

Use these to make sentences with the

activities above.

D&T - Classification and Properties of Materials:

	Classification on Woods	Woods	Classification on Metal	ı Metal	Classification on Plastic	Plastic Plastic
	Hardwood		Ferrous		Thermosetting	
	Oak, beech, mahogany	Deciduous treesHave broad leavesSlow growing so expensiveGrow nuts or seeds	Wrought iron, pig iron, mild steel, stainless steels	•Contain iron • Magnetic (most) • Rust	Epoxy resin, polyester resin, urea formaldehyde	 Can only be heated and shaped once into a product. Not recyclable
,	Softwood		Non-Ferrous		Thermoplastic	
_ "	Pine, cedar and spruce	Coniferous treesHave needlesFast growing so cheaperGrow berries or fruit	Copper, tin, silver, gold, aluminium, bronze, nickel	Do NOT contain ironAre NOT magneticDo NOT rust	Acrylic, PVC, polythene, nylon, polypropylene	 Can be heated and shaped repeatedly into different products. Can be recycled
48	Manufactured boards	sp	Alloys			
	MDF, plywood, chip board	Made in a factoryBinds wood with a resinComes in large sheets not planks	Solder, Pewter, Brass	 Mixture of more than one element Combining 2 metal improves properties 		

	Specific Lar	Specific Language and Terms	
Durable	To be long lasting	Thermal	To be able to conduct or insulate head
Malleable	To be bent and shaped	Electrical	To be able to conduct or insulate electricity
Strength	To withstand forces and breaking	Ductile	To be drawn into a wire (stretched)
Toughness	To not break or snap	Density	A measure of mass per unit volume
Hardness	To withstand scratching or denting	Absorbency	The ability to take in moisture

D&T -	Health an	d safet	D&T - Health and safety and Hand tools:	ools:	Tools and equipment	uipment	
					Try Square	Drawing a line at 90	•
Specific	Specific Language	PPE Equipment	ent			degrees OR checking a corner is square (90	
and	and Terms	Apron	To protect your clothing from soiling or from				
PPE	Personal protective equipment.		being caught in machinery/tools.		Tennon Saw	Sawing straight lines in wood or plastic (not	Ì
Hazard	A danger or a risk	Goggles	Protect your eyes from dust particles or any other flying debris from				
BSI	British		machining.	THE STATE OF THE S	Coping saw	Sawing curve lines in	
	Standards Institute	Ear defenders	To protect your ears			wood or plastic (not metal)	
Kitemark	Assures consumes that		machinery.				
	the product is safe and has been tested by the BSI	Gauntlets	Protect your hands- particularly from heat when brazing or carrying out heat treatments.		Flat File	Shaping or smoothing a piece of wood, metal or plastic.	
CE mark	Assures consumers that the product meets Furopean	Dust mask	To protect your breathing when working with dusty or hazardous		Vice	Hold work still and secure when drilling.	
	safety standards		materials.		<		*
					<		

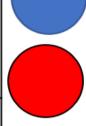


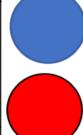














Yellow; Warning Risk of danger Red: Prohibition Do Not - Stop Blue: Mandatory Must obey Green: Safety Means go

Walk safely and calmly

Keep your work area and your belongings hung up floor area clear - keep

> around the classroom/ workshop.

Follow the teacher's instructions for using equipment carefully.

wearing the correct PPE Make sure that you are equipment for tasks.

Return all equipment to the correct areas of the classroom/ workshop.

clean up properly after Report all spillages & yourself.

D&T - Machinery and CAD CAM:

	Machinery						CAD- Computer Aided Design	esign
	,							
	Pillar Drill	A free standing		Vacuum	A machine		Advantages	Disadvantages
		machine that uses a motor to rotate a drill bit. This drill bit can then be used to cut		former	used to form sheet plastic into permanent objects using a		Designs can be created, saved and edited easily, saving time	CAD software is complex to learn
		holes in materials.	•		mould.		Designs or part of designs	Software can be very
	Sander	Is used for shaping	#	Hegner saw	A small	1	can be easily copied or repeated	expensive
		consists of an electric motor that turns a			with a thin blade used to cut a variety if		Designs can be worked on by remote teams simultaneously	Compatibility issues with software
		sandpaper.			thin sheet materials		CAD is very accurate	Work can be lost if not backed up
50	Laser Cutter	A CAM machine that engraves and cuts through material using a high powered	F	Vinyl Cutter	A CAM machine that has a sharp	The state of the s	Designs can be rendered to look-realistic to gather public opinion in a range of finishes.	
		optical laser			designs on tin		CAM – Computer Aided Manufacture	Manufacture
					plastic		Advantages	Disadvantages
		Specif	Specific Language and	ge and Terms	ns		Quick – speed of production can be increased	Training is required to operate CAM
		Machinery		Mechanical or electrical device designed to be used to perform a function.	ectrical device d a function.	esigned to be	Consistency and accuracy – All parts manufactured are all the same	High initial outlay cost for machines
		CAD		Computer Aided	Aided Design		Less mistakes- there is no	Loss of jobs for people
		CAM		Computer Aided	Aided Manufacture		programmed	

Production stoppage – if the machines break down, the production would stop

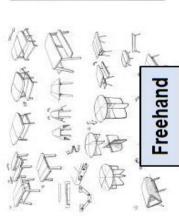
Cost saving – workforce can be reduced

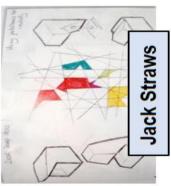
The programs used by a computer

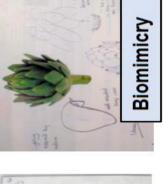
Software

D&T - Creating ideas and Oblique drawing:

Oblique Projection









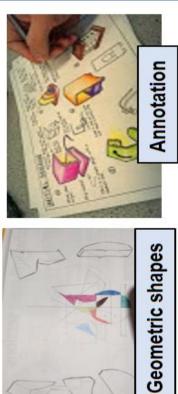
in Oblique projection. that has been drawn

Opposite is a cube

To draw it in oblique projection follow the

three main steps





45 degrees







. Draw the back two lines of the cube in position. Go ube with a fine black pen ound the outline of the r dark, sharp pencil.

Specific Language and Terms

Oblique drawing	A projective drawing on an object in 3D where the front face is drawn flat and all other lines are projected at 45 degrees	
Freehand sketching	Quick sketching without using a ruler. This is to be used to get your first thoughts for ideas down on paper	
Creative ideas	Thinking outside the box. Different ways to get creative are to use techniques such as Jack straws, Geometric shapes, Scruffiti and Biomimicry.	ار <u>م</u> 5 م
Annotation	The notes you write around your ideas explaining what they show and how it could be made.	Б

Scruffiti

D&T - Art/Design Cultures and ACCESSFM:



Access FM















Aboriginal

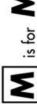














M is for Material



Specific Language and Terms

Gulture	Culture is a pattern of behaviour snared by a society, or group of people. Many different things make up a society's culture. These things include food, language, clothing, tools, music, arts, customs, beliefs, and religion.
Product Analysis	A detailed examination of a product
Specification	Stating precise requirements of a design

British

D&T - Mechanical systems and Movement and forces:

Sp	Specific Language and Terms	Mechanisms	sms			
Mechanical	A mechanical system is a set of physical	ical Mechanism	m Definition	uc		Example
llase (e	and force into a desired output motion and force. Mechanical systems have at least three elements: input, process and output.	Gears ast trput.	Gears ar together gear is tu	Gears are toothed wheels (cogs) that lock together and turn one another. When one gear is turned the other turns as well.	nat lock en one ell.	
Mechanism	Is a device that transforms input forces and movement into a desired set of output forces and movement.	utput Pulleys	Pulleys a lock toge	Pulleys are like gears, but the wheels do not lock together. The wheels are instead joined	els do not	•-
Machine	A system of mechanisms working together	ether	togetner to affect	togetner by a drive beit. Pulleys can be used to affect the speed, direction or force of a	n be used ce of a	
Motion	A type of movement		movement.	nt.		
Force	Is a push or pull in a certain direction that causes a change in speed, direction or shape.	that Levers or	a rigid ba heavy or pressure	a rigid bar resting on a pivot, used to move a heavy or firmly fixed load with one end when pressure is applied to the other	to move a end when	load effort
Forces			Types of Movement	rement		
Force	Definition	Example	Motion	Definition	Example	
Compressio n	A pushing or squashing force	Mattress springs	Linear	Moves in one direction	Bike, car, train	ain 👤
Tension	A pulling or stretching force	Tug of war rope	Oscillating	Swings back and	Pendulum, swing	swing
Torsion	A twisting force	Turning a screw		forth)
Shear	A cutting force caused by two forces in opposite directions very close together	Scissors	Reciprocal	Repetitive back and forth linear motion	Sewing ma	machine needle
Bending	When two forces act in opposite directions	Beam bridge	Rotating	Moves in a circular motion	Car wheels, pedals	, pedals

Timbers

Fast growing tree (Coniferous)

Slow growing tree (deciduous) Trees, which shed their leaves each

autumn.

Hardwood

Evergreen tree, green foliage all year round. Evergreens do not shed needles as much as deciduous plants that completely lose their leaves during Autumn.

Softwood

Pine – Softwood

Spruce - Softwood

Used for: construction, furniture and musical instruments etc.

skirting boards, furniture

Characteristics:

Used for: door frames,

Characteristics:

High stiffness to weight Easy to work with

A delicate grain Creamy white



Oak - Hardwood

Used for: flooring, furniture, railway sleepers, veneers

Characteristics:

A tight grain to pine where the grain is open and High quality finish Light brown Durable vibrant Tough Hard



Mahogany Hardwood

chainsaw may be used to fell a tree.

An Axe, saw or

is the process of cutting down a

Felling

furniture, joinery and Jsed for: high end veneers etc.

Characteristics: Durable

Reddish brown, very dark Finishes well deep tones



grain.

characteristic such as colour, hardness and

defined by many piece of wood is

The uniqueness of a

Grain

Knots

Manufactured Boards

compressed.

the **branches** have been Knots come from where removed.



Manufactured boards are usually sheets of process natural timber recycled waste (woodchips) products or veneers mixed with adhesives or resins, combined and

MDF - Medium Density Fibreboard - No grain, fine woodchips Chipboard - woodchips Plywood - veneers

near knots

Can split and be resinous

Easy to work with

Lightweight

Has a vibrant open grain

Bears needles

Cheaper alternative to

pattern

hardwoods

Timbers – Finishes

Fimber Finishes

each example of timber has a different pattern on the grain and texture. The way a timber looks can be Aesthetics relate to the way a material looks, and altered through several methods:

Varnish

Applied with a brush

Paint

enhances the natural grain of the timber. Varnish is a clear

Wax

Varnish can be colour finted with oil stain.

Paint gives colour finish

undercoat on bare

wood.

Needs a primer or

or roller.

and adds a layer of

protection against

weathering.

- Varnish comes in gloss, safin or matte finish.
- Protects wood from knocks and spills.

reflect light and seem

The more sheen, the

more the paint will

gives a deep shine.

natural colour and This enhances the



Veneers & Laminating

A sure way to recognise wood laminate is when the grain does NOT follow through your

Wood veneer is wood strips glued (compressed) together, both on particle board or A plastic material veneer used in kitchens, school desks etc.

plywood.

Timber Protection

Protects the wood from warping Preservation/Extends life Stops moisture Rot & decay Durability



Protects from insects, rodents and fungus Colour / Aesthetics/ Appearance

pased or gloss paints.

White spirits for oilemulsion paints.

washing-up liquid for

You can simply use

Clean Paint Brushes

Tanalisation

A thin layer is applied

pressure impregnated with analised timber has been applications to extend its wood preservative.



affected by the base Permanently stains The colour can be wood.

Brings out the natural wood.

It does not protect!



and not messy to use. wood. Easy to apply

and pushed into the

very fine steel wool with a soft cloth or

further painting or staining. timber does not need fencing, decking etc. This gives the added advantage that the life - in particular for Used for outdoor



Timbers-Carpentry Joints

What are Carpentry Joints?

wood and other materials together to produce a finished Carpentry joinery involves cutting, shaping and fastening product. Preparation of joints is one of the important operations in wood work.

Comb Joints

The cross-section of the joint resembles the interlocking of fingers between two hands, hence the name "finger joint".



Butt Joints

Two pieces of timber that

the ends, this also means

that the joint isn't very

strong in fact it is the

are butted together at

Add strength.

Glued for extra strength.

cutting, drilling or bending. piece of material during Improve accuracy and Jigs are used to hold a efficiency.

More attractive and

decorative. Strong.



Pins and nails often used.

Not strong due to little

Basic/simple.

adhesive area.

Dowel Joints

Similar to Butt Joint but with wooden dowels.

A finger joint, also known

as a comb joint, is a

woodworking joint made

by cutting a set of complementary,





Mitre Joints

Comb Joints

Mortise and Tenon A mortise and tenon

> A joint made by cutting each of two parts to be surface, usually at a 45° angle, to form a corner, joined, across the main usually a 90° angle.

for thousands of years to

join pieces of wood,

Woodworkers around the world have used it

pieces of wood.

More attractive and decorative.

pieces of wood, which are interlocking profiles in two

then glued.

skirting, photo frames etc. Used for door frames,





The joint is both simple

connect at right angles.

adjoining pieces mainly when the



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in woodwork.

weakest joint that is used

It is also the easiest to

Timbers-Tools & Machinery

Bench Hook

hold workpieces in place. used in woodworking to workbench accessory A bench hook is a



Try Square

A ruled metal straightedge measuring and marking set at right angles to a straight piece, used for square work.



Wood often needs to be

clamped when

Carpentry Vice

completing tasks such as

sawing, drilling or

carpentry.

Pillar Drill

Is a specialized tool that

Mitre Saw

lets you make cuts at a

lines into small pieces of Cutting shallow, straight

across a D-shaped frame,

Narrow blade stretched

Coping Saw

used for cutting curves in

wood, acrylic - used to

cut through thin material.

wood.

Tenon Saw

variety of angles.

This drill bit can be used to lypes of material such as diameters into different wood, acrylic or metal. cut holes of different





Hand held tool.

Scroll Saw



curves and joints, a task

Scroll saws are often used to cut intricate quickly and with great

accuracy.

you can complete





removing any unwanted

with an abrasive surface

ranging from coarse to

Sheets of paper coated

Glass Paper

plastics.

metals and wood whilst of materials including

material after cutting or

sharpening.

Chisel

Hand files are a type of

Used to smooth materials

Disc Sander

such as woods and

Engineer File

Carving or cutting a hard mechanical power. deburr and shape a range hand tool used to smooth,



stone, or metal by hand, material such as wood, struck with a mallet, or

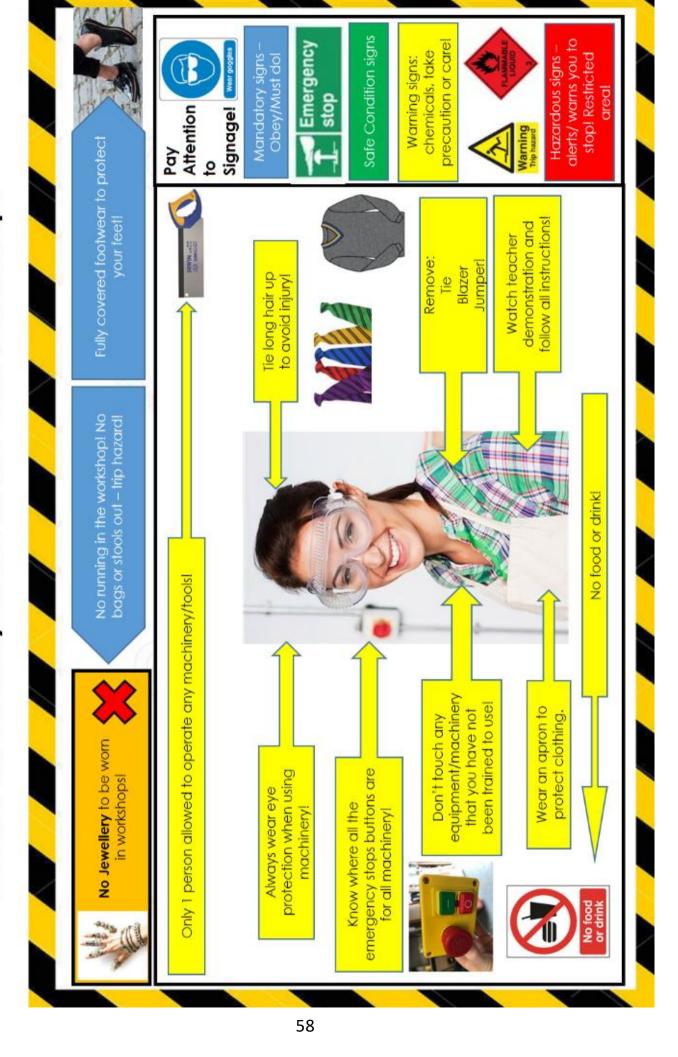








Health and Safety Rules in the D&T Workshop!



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