Wellington School



Knowledge Organisers Year 9 Summer 2022

Knowledge Organisers

Contents

An introduction to Knowledge Organisers Art Computing Drama Design Technology (DT) English Geography History Mathematics MFL Music PSHE Religion, Ethics and Philosophy (REP) Science

*Some subjects have Knowledge Organisers which last two terms or a year, therefore it will be the same as in past booklets.

An Introduction to Knowledge Organisers

What is a Knowledge Organiser?

A knowledge organiser is a document, usually one side of A4, occasionally two, that contains key facts and information that children need to have a basic knowledge and understanding of a topic, or in some cases a series of topics.

Students are expected to bring their Knowledge Organiser Booklet to school every day. Students will be issued with a new booklet to bring each term. However, it is import they keep the old booklets to help with revision for end of year exams.

What are the benefits of knowledge organisers?

The main benefit of knowledge organisers is that they give students and parents the 'bigger picture' of a topic or subject area. Some topics can be complicated, so having the essential knowledge, clear diagrams, explanations and key terms on one document can be really helpful.

Research shows that our brains remember things more efficiently when we know the 'bigger picture' and can see the way that nuggets of knowledge within that subject area link together. Making links, essentially, helps information move into our long-term memory.

How can the students use them?

As mentioned earlier, students are expected to bring their Knowledge Organiser Booklet to school everyday. In lessons they can be used in a number of ways, for example, to look up the meaning of key words, spell words correctly and do some additional work if they have finished classwork.

At home knowledge organisers can be used to support homework, independent work and revise for tests and exams. Two quick and easy ways to do this are:

- 1. <u>Look, cover write, check</u> look at <u>part</u> of the knowledge organiser, cover it, write as much as you can remember and then check it
- 2. <u>Word up</u> Pick out any words you don't understand. Use a dictionary or thesaurus to find the meaning. If they don't help as your teacher.

The more often you do this the better. YouTube has some clips on them; search 'Mr Garner look, cover, write, and check 'and 'Mr Garner word up'

How can parents use them?

- Read through the organiser with your son/daughter if you don't understand the content then ask them to explain it to you 'teaching' you helps them to reinforce their learning.
- Test them regularly on the spellings of key words until they are perfect. Get them to make a glossary (list) of key words with definitions or a list of formulae.
- Read sections out to them, missing out key words or phrases that they have to fill in. Miss out more and more until they are word perfect.

How the booklet is organised

The knowledge organisers are in alphabetical order by subject.

YEAR	S K	nowledge	Organia	ser - Tern	n 2 & 3
AR AR	T e				
KEY WORDS	Different marks create differen effects/surface show TEXTUR			Tools for pr	intmaking
Mark making Texture Surface	you add the da er the TONE			Roller Cutter Bl Health & Safet from hanc	ades Ink Lino y—cut away I & body
Stipple Crosshatch Collage Tone		Martin Contraction (1997)	Remained State of Mattern Matt		
Print Ink Roller Cutter/Blades	Work on diffe Combine med our pencil to s	rent surfaces/paper dia; charcoal and in show the qualities of	materials k, paint and col- of your subject		
Register Mixed media Experiment	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Use blades 1- 3 for fine lines & edges Use 4 & 5 to remove large sections of lino			What you cut away will leave the paper blank Cut carefully, the more accurate the cut, the better the print
 Artists who use more expressive Frank Auerbace Anselm Keifer George Baseli Ann Tyler Ian Murphy Frank Stella Kurt Schwitters 	nixed media h tz	SKILLS Design Registration & Artist understand cation Printing sk Composit Presentat Formal elem	cutting ling/ appli- kills ion ion nents	Artists renown a block printing lan McCulloc Angie Lewin Edward Bawo Irving Amen Dale Deverau Clare Curtis Cyril E. Powe	f or lino/ h den ux Barker

- Frank Stella
- Kurt Schwitters ٠

Presentation Formal elements

•

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Computing: Spreadsheet software for data analysis

A range of **functions** can be used to analyse data.

A function can be thought of as a machine that takes in some data and converts it into something else.



	Α	В
1	Name	Grade
2	Student 1	6
3	Student 2	8
4	Student 3	8
5	Student 4	3
6	Student 5	8
7	Student 6	6
8	Student 7	5
9	Student 8	8
10	Student 9	9
11	Student 10	9
12	Student 11	7
13	Student 12	7
14	Student 13	8
15	Student 14	7

Here is a list of students and their grades. There are 205 students in the list. The last name is in cell A206. Their grade is in B206.

Functions with a single input

These functions take either a single cell, or range of cells as the input:

- =AVERAGE(B2: B206) would find the *mean* grade.
- =MODE(B2: B206) would find the most common grade.
- =M N(B2: B206) and MAX(B2: B206) find the lowest and highest grades.
- =COUNT(B2: B206) tells you how many cells have numbers in; useful for finding missing data.

Functions with more than one input

These functions have their inputs separated by a comma:

- =COUNTI F(B2: B206, ">6") would find the number of grades that met specified criteria. In this case, all grades higher than 6.
- =I F(B2>3, "Tar get met", "Tar get not met") would check whether a the value in C2 is greater than 3. This is a Boolean expression. If the result is *true*, "Target met" is output. If the value is *false*, "Target not met" is output.
- =VLOOKUP(B2, D2: E5, 2) would look in range D2:E5 for student 1's grade and return a value from the second column. B2 is between 4 and 7, so Pass is returned.
 A B C D E
 1 Name Grade Grade Grade Description
 2 Student 1 6 0 Fail

1	Name	Grade	Grade	Description
2	Student 1	6	0	Fail
3	Student 2	8	4	Pass
4	Student 3	8	7	Merit
5	Student 4	3	9	Distinction

Drama Knowledge Organiser: Year 9

Noughts and Crosses		Bors	stal			
 A dystopian Romeo and Juliet that makes eloquent statements about race relations. Non-naturalistic style - synchronisation, ensemble, canon, narration and tableaux. Brechtian - Epic theatre including breaking the fourth wall and placards Genre - alternative history/ Drama 		atements Inon, h wall and •	 Creating devised performances based on a youth offending institution in the 1960's England. Teacher in role - when a person leads a whole class improvisation Monologue - one speech in role as the character you have created Spontaneous improvisation - creating context through on the spot character questions. Character profiles developing through class workshops 			
Devising from a Stim	ulus	arta	ud			
 A stimulus is a starting point in drama - a source of inspiration Devising from various stimuli such as photograph, text, video, music, poem, prop, costume, historical event or quote. Performance is inspired by NOT a direct representation of the stimulus Collaboration of creative ideas leads to a good devised performance A script is created throughout the process not given before Rehearsal techniques explored - hot seating, improvisation and peer assessment 		of inspiration text, video, ote. ntation of the vised ven before ovisation and	•	Theatre of cruelty Inspired by Surrealism Believed in world chan Appeals to the irration Aims to release the au intense tension and sur Plays on fear	n ge through dreams nal mind ıdience's intense emotions spense	through
KEY WORDS FOR YEA	AR 9 DRAMA					
Devising	Cross-cutting	Atmosphere		Suspense	Tension	Verbatim
Stimulus	Characterisation	Monologues		Ensemble	Non-naturalism	Documentary
Theatre for social change.	I change. Subtext Theatre of the absurd		urd	Theatre of Cruelty	Audience emotions	Heightened

tension

Year 9 Cooking and Nutrition Knowledge Organiser

Hygiene and Safety – The four C's

Food hygiene & safety is a about protecting people and minimising the risk.

- Cleaning e.g. following routine, meeting standards using correct materials, cloths and PPE,
- Chilling storing food at appropriate temperatures
- Cooking making sure food is cooked and served at correct safe temperatures.
- Cross-contamination avoiding food poisoning.



Key vocabulary		
Cross Contamination	Process by which bacteria or other microorganisms are unintentionally transferred from one substance or object to another, with harmful effect.	
Food Plating	Process of arranging and decorating food to enhance its presentation.	
Task analysis	Detailed examination if the given task.	
Meal Planning	Thinking ahead about what you'll make for meals and snacks and getting prepared.	

Food Plating and Presentation

Key Focus

- Create height on the plate.
- Cut meat horizontally.
- Play with textures.
- Use contrasting colours.
- Choose the right plates.
- Serve smaller portion sizes.
- Use edible garnishes and decorations. ٠



Food Preparation Task

Key Skills

- Analyse the task by explaining the key areas for consideration
- Carry out relevant research and ٠ analysis related to the task (budget meals/meal planning)
- Identify a range of suitable dishes ٠
- Produce a detailed timeplan ٠



Plan the time plan

Time	Plan of work	Quality and safety checks
10.50	Put chicken pie in oven and cook 20 minutes. Clear up.	Cook for 20 mins and glaze again after 10 minutes.
10.52	Cook lasagne sheets in boiling water.	Cook in roasting tin for 10 mins.
10.55	Glaze chicken pie again. Make sauce for lasagne.	Add cheese to sauce once it is slightly cool.
11.05	Take out chicken ple. Drain lasagne sheets. Add cheese to sauce.	Don't forget chicken pie but keep warm.
11.10	Assemble lasagne - sauce, sheets then veg, then sheets then sauce. Sprinkle with cheese and bake.	Make sure dish is clean before baking. Bake 40 minutes.
11.25	Whisk the cream for the sponge filling and sort the respherries for decoration.	Don't over whip the cream.
11.35	Peel off the paper from the sponge. Cut in half. Mix half cream with half the respherence. Spread jam on the cake base then cream mixture then put top on.	Keep working surface clean.
11.45	Decorate cake top with jam, cream and rows of fruit, sprinkle with Icing sugar and put in fridge.	Put in fridge to chill. Reheat chicken ple to 72°C.
11. 50	Take out lasagne and clean up dish. Serve chicken pie and lasagne then whisked sponge.	Check all dishes well presented and at right temperature.
11.55 - 12.00	Clear up and finish!	



Clear up as you work. It saves using lots of equipment and keeps the preparation area safe and hygienic.

desian echnology





Slotting in tasks betwe work. For example, while the sponge is

vaking, prepare venetables for the lasage



Use the Plan of work and list examples to show how the plan dovetail tasks from one dish to anothe

Year 9 Product Design Knowledge Organiser



blogy Desig

Architecture Light

Key Skills

- Responding to a Design Context
- Analysing & researching information
- Creating a brief & identifying an audience
- Writing a product specification
- Applying Health & Safety procedures and PPE in the workshop environment
- Developing an understanding of basic electronic components.
- Identifying & using specific workshop tools and equipment
- Developing practical skills to create a well finished product.
- Knowledge of timbers, manufactured boards, thermosetting polymers & electrical components
- Evaluating the design & manufacturing process

Tools & Equipment			Design Brief
	A CONTRACTOR OF THE OWNER		Specification
	Stool rulo	Marking gauge	CAD
Il square	Steerfule		САМ
		Official Control of Co	Finishing
Bench vice	Bench hook	Tenon saw	Prototype
			PPE
	Chisel	File	Timber is a natu
			grain – always s Softwood Fr wl ex
Pillar drill	Belt & Disc sander	LED	SU SU
Thermoplastic polyn	st		
can be heated and s	haped many times.		Manufactured bo
			USVORC OF WOOD T



Resistor

Acrylic is used in sheet form it is lightweight or shatter-resistant. It comes in a variety of colours it can be frosted or transparent. Acrylic is durable and is a good electrical insulator but scratches easily. It is recyclable and can be heat moulded.



Electrical Components

LED

Light-emitting diodes (LEDs) and lamps produce light when a current flows through them in the forward direction.



A resistor is an electrical component that restricts the flow of electric current.



In electrical engineering, a switch is an electrical component that can disconnect or connect the conducting path in an electrical circuit

Key vocabulary

Design Context The circumstances, problem or setting in which a product will be used.

An written outline which explains the aims and objectives of a project.

A statement that details exactly a products function and the design requirements.

Computer aided design

Computer aided manufacture e.g. laser cutter

The process of applying a finish to preserve or protect a material & improve aesthetics. A prototype is a model that is built to test to see if it is successful or whether it

needs further modification or

improvements.

Personal protective equipment are items

ral material with imperfections, knots and and with the grain

rom coniferous trees that are evergreen, hich are faster to grow and are less opensive than hardwoods. Softwoods are a ustainable material as the resource can be egrown and not depleted. Softwoods are rong and easy to work with.

oards are timber produced by gluing wood ibres together.

Medium Density Fibreboard or also known as MDF is made from wood fibres which are glued together. MDF has a smooth even surface which makes it easier to work than natural timber.



Year 9 Product Design Knowledge Organiser



Key Skills

- Responding to a Design Context
- Analysing & researching information
- Creating a brief & identifying an audience
- Writing a product specification
- Developing CAD/CAM skills using:
 - Techsoft 2D Design
 - Google SketchUp
 - o Serif Draw Plus
- Applying Health & Safety procedures and PPE in the workshop environment
- Identifying & using specific workshop tools and equipment
- Developing practical skills to create lap, housing & dowel joints to join materials
- Using a line bender to manipulate Acrylic
- Knowledge of timbers, manufactured boards, thermosetting polymers & card
- Prototype modelling, finishing & presentation skills
- Evaluating the design & manufacturing process

		lechnology		
9 9	Design Context	The wh		
Tools & Equipment			Design Brief	An
				ain
			Specification	A s fun
	Steel rule	Marking gauge	CAD	Coi
Il square			САМ	Co cut
		P. Martin	Finishing	The or
Bench vice	Bench book	Tenon saw	Prototype	A p
		Terrori Saw		to s
				im
T			PPF	Pei
Coping saw	Chisel	File	Timber is a natu	
			grain – alwavs s	rat and
7 F		a second of	Softwood	
		E is more thank		rom hich
			ex	хреі
Pillar drill	Belt & Disc sander	Line bender	SI SI	usta
ermonlastic polymers, are chemically manufactured and				tron
In be heated and shaped many times. Manufactured board				
crylic Acrylic is used in sheet form it is lightweight layers or wood fibre				
Medium				

design



insulator but scratches easily. It is

recyclable and can be heat moulded.

Lap joint A joint in which two pieces of material overlap. This joint can be used to join wood, plastic, or metal.



Housing joint A housing joint is cut across the grain or width to the thickness of the material partition.



or shatter-resistant. It comes in a variety of

colours it can be frosted or transparent.

Acrylic is durable and is a good electrical

Dowel joint A dowel joint is very strong and stable. This type of joint is secured

with an adhesive.

Density

Fibreboard

Key vocabulary

e circumstances, problem or setting in hich a product will be used.

written outline which explains the ms and objectives of a project.

statement that details exactly a products nction and the design requirements.

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Medium Density Fibreboard or also known as MDF is made from wood fibres which are glued together. MDF has a smooth even surface which makes it easier to work than natural timber.



Year 9 Textiles Knowledge Organiser

Hat Design

Key Skills

- **Responding to a Design Context**
- Analysing existing products
- Identifying a target audience •
- Write a product specification
- Demonstrate the ability to apply decorative techniques:
 - Appliqué (including reverse) 0
 - Computerised embroidery Ο
 - Embroidery stitches (hand & machine)
- Using a sewing machine to complete a range of ٠ construction techniques:
 - Seams & hems 0
 - Applying a facing Ο
 - Using interface Ο
 - Applying components Ο
- Understanding the properties of materials
 - Fleece 0
 - Felt
 - Polyester Ο
 - Cotton 0
- Understand CAM using computerised embroidery







Use of woven, knitted & non woven materials	Consideration of a specified target market
Originality	Creative
Components used as decoration	Efficient use of space
A variety of hand embroidery stitches	Components & fastenings
CAD/CAM embroidery	Machine appliqué

Follow teacher instructions Move slowly around the room do not run Tie long hair back Hold scissors or shears correctly when walking around the room. Only one person operating a sewing machine at one time Never use a sewing machine unless supervised by a teacher/ technician Turn off the sewing machine when not in use. Report any injuries or breakages to the teacher immediately

	Key vocabular
Components	The parts/materials/threads needed to
3D features	Use of wadding to make a feature stan
Function	What a product does, how it works and educational or both?
CAD/CAM	Computer Aided Design/Computer Aide
Target Audience	The person or people most likely to be product.
Embroidery	Even stitch widths and lengths comple
Reverse appliqué	A decorative technique whereby a fabr front and is sewn in place by hand or n
Original	A product that is unique, creative and
Appliqué	A decorative technique whereby one m hand or machine.
Design Context Design Brief	The circumstances, problem or setting Design Brief is a written outline whic project.



Health & safety

o make a product.

d up or raised from the backing fabric.

what it will be used for? Is it sensory or

ed Manufactured

interested or use your design or

eted by sewing by hand or machine.

ric placed on the back and visible on the nachine.

has functional features.

naterial is sewn on top of another by

g in which a product will be used. A h explains the aims and objectives of a

ENGLISH KNOWLEDGE ORGANISER: SPEAKING AND LISTENING SPEAKING AND LISTENING UNIT

- In this unit, you will be learning how to develop your speaking and listening skills. You will all have skills in these areas already and the aim of this unit is to develop and extend them so that you are GCSE ready. The outcome of this unit will be the completion of a presentation on a topic of your choice.
- Students will be expected to complete this presentation in front of the class. We appreciate that this sounds incredibly daunting, but try to embrace the challenge! You will be supported by your teacher and your classmates throughout. Adjustments can be made if this is something that you are unable to do however, you will still need to complete the presentation in front of a smaller audience.

YOUR TOPIC FOR YOUR PRESENTATION

- Depending on what your teacher decides, you will either be given a choice of topics and you will select the one that interests you the most, or you will select your own topic to present on. The topic will need to be of interest to you and of interest to your audience also.
- When planning your presentation, you will be expected to research it and discover key facts and ideas surrounding it.
- What will be the purpose of your presentation? Will it be to inform? To persuade? To educate?
- Ideas will need to be prioritised: what will your audience need to know? What will need to be explained in more detail and elaborated upon? How will you order and organise the information you give?
- It will be a good idea to watch other speeches/presentations that people make that are similar in style and purpose to the one you are creating do not copy their content, though!

THE PRESENTATION ITSELF

- Practise, practise, practise: this will help you refine your presentation content and delivery.
- Whilst you are not expected to learn your presentation by heart, you cannot read it out: you can, however, use cue cards to aid your presentation (but remember that you can't *read* these, only refer to them).
- You will also be expected to answer questions about the topic you have presented on, so you will need to think on your feet also. These questions aren't designed to catch you out you may be asked to elaborate on an idea or explain something in a little more detail. If possible, practise your speech in front of an audience and have them ask you questions about what you have presented on.

KEY SPELLINGS FOR THIS	5 SCHEME OF WORK	WHAT NEEDS TO BE CONSIDERED WHEN DELIVERING YOUR TALK
Standard English	audience	You need to ensure that: your presentation is audible , your ideas are expressed clearly
organised	listening	with appropriate vocabulary, you have organised and structured your talk in a way that
audible	presentation	engages the audience, your presentation has a clear purpose that you achieve and that you
structure	purpose	can listen to questions and elaborate on details when asked.



Adding Connective	Adding Connectives	In addition also and similarly moreover furthermore as well as	Contrasting Connectives	but however
	 Add to what has already been stated. 	additionally indeed let alone not only too another equally	 Go against what has already been stated. 	actually in fe



ues and devices used by the p	oet.
"Parting with his poison –	Consider these questions:
Flash of <u>diabolic</u> tall	11 lleve is the standard stress and a
In the <u>dark</u> room -	-Why is the technique used?
në fisrëa the fain again.	-How does the reader react?
tumbling across a field of clods	Consider these questions:
it <u>dazzled</u> with rifle fire, hearing	-Why is the technique used?
Bullets smacking the	-What did the writer intend?
belly out of the air"	-How does the reader react?
w, and black, and pale, and hectic red.	Consider these questions:
ice-stricken multitudes: O thou,	-Why is the technique used?
chariotest to their dark wintry	-What did the writer intend?
bed"	-How does the reader react?
"O my Luve is <u>like</u> a red, red rose That's newly sprung in lune	Consider these questions:
O my Luve is <u>like</u> the melody	-Why is the technique used?
That's sweetly played in tune."	-What did the writer intend?
	-How does the reader react?
ope' <u>is</u> the thing with feathers— / That perches in the soul	Consider these questions:
nd sings the tune without the	-Why is the technique used?
ords/ And never stops - at all"	-How does the reader react?
"With swift, slow; sweet, sour;	Consider these questions:
adazzle, dim;	Ulbu is the technique work
le fathers-forth whose beauty is	-What did the writer intend?
past change."	-How does the reader react?
With its <u>leap</u> ing, and <u>deep</u> , cool	Consider these questions:
White and shining in the silver-	-Why is the technique used?
flecked water."	-What did the writer intend? -How does the reader react?
eeping time time time	Consider these questions:
a sort of Runic rhyme,	
nnabulation that so musically wells	-What did the writer intend?
the <u>bells, bells, bells, bells,</u>	-How does the reader react?
A child sitting under the piano, the <u>boom</u> of the <u>tingling</u> strings	Consider these questions:
And pressing the small,	-Why is the technique used?
sed feet of a mother who smiles	-What did the writer intend?
as she sings."	-How does the reader react?
sang their way	Consider these questions:
I o the siding-shed,	-Why is the technique used?
And lined the train	-What did the writer intend? -How does the reader react?
"Death be not proud	Consider these questions:
some have called thee Mighty	
and dreadful,	-Why is the technique used?
for thou art not so;"	-How does the reader react?
a him lent those bitter tears	Consider these questions:
hich at his eyes he always wears/	-Why is the technique used?
om the winds the sighs he bore,	-What did the writer intend?
rough his surging breast do roar."	-How door the reader react?

ever in contrast on the other hand conversely in spite of this in fact yet nevertheless nonetheless unlike alternatively



Year 9 Geography Unit 3: Coastal Landscapes





disrupt natural processes.







Year 9 Geography Unit 4: Challenges of Development



Lesson 1-2

Every country in the world is at a different stage of development. If a country is **developing** it is changing for the better. The **Demographic Transition Model** which you studied in year 8 shows how a country changes overtime. They can be classed as:

- Low Income Country - a country where the GNI per capita is \$1045 or below

• Newly Emerging Economy – a country that has begun to experience higher rates of economic development, usually with higher levels of industrialisation. They no longer rely primarily on agriculture. eg Brazil, Russia, China and South Africa (the so-called BRICS countries).

• High Income Country - a country where the GNI per capita is \$12746 or above

				Pooplo reaching an
Lesson 3-4 Development is uneven because - Some countries are landlocked and so can't trade as easily	Lesson 5 Human development index (HDI) was created to better measure development. HDI combines:	Lesson 6 The UK developed during the Industrial Revolution. Today five countries, BRICS, are	Develo	acceptable standard of living or quality of life.
 Some countries experience climate- related diseases weakening their working population Extreme weather, e.g. hurricanes, are expensive to respond to and so slow development of public services 	 Living standards: the GNI per capita Health: the life expectancy Education: the average number of years of schooling children receive 	considered to be going through rapid economic development. This will mean that the % employed in primary, secondary and tertiary industries will change.	Human development	A measure of the access the population has to wealth, jobs, education, nutrition, health, leisure and safety - as well as political and cultural freedom
Lesson 8 Inequalities in development can occur at a global scale (between countries) and a local scale (within countries or even cities).	Lesson 9 10.7% of the world's population live on less than \$1.90 per day (World Bank). Poverty exists because of the climate, war, politics, gender inequality and location.	Lesson 10-14 Informal settlements are areas of land where groups of housing units have been constructed on land that the occupants have no legal claim to. They often have social, economic and environmental problems.	Economic development o	A measure of a country's wealth and how it is generated (for example agriculture is considered less economically advanced then banking).
Lesson 10-14 Informal settlements grow around megacities where there are economic opportunities. Megacities continue to grow due to natural increase and rural-urban migration.		Top 10 mega-cities by population20142030Tokyo37.8 millionTokyoDelhi25DelhiShanghai23ShanghaiMexico City20.8Mumbai20.8Beijing27.7See Deula20.7Dela	Standard of living	How much wealth a group of people have and the goods and services available to them. Life expectancy and literacy rate may also be taken into
Lesson 15 Gender inequality occurs when people are treated differently just because they are male or female. If women are empowered the work force will increase and the number of dependent children will decrease.	Lesson 16-17 Aid can be given to areas in need to help them develop faster. In 2000, the United Nations set up 8 Millennium Development goals focussed on reducing global poverty. In 2015, a new set of 17 targets were created.	Sato Fatto20.7Ditaka27.4Osaka20.1Karachi24.8Beijing19.5Cairo24.5New York18.6Lagos24.2Cairo18.4Mexico City23.9Quartz qz.comData: United Nations	Quality of Life	The general well being of people, which includes income, health, education, employment and the environment.



Definition





Wellington History Year 9 HT 5 Knowledge Organiser Why does Britain no longer have an empire?



 What and why? You will learn about the decline of the British Empire Stop, think and link: What caused country's to fight for their independence? Want to explore further? Book: The Decline and Fall of the British Empire by Piers Brendon Book: The Rise and Fall of the British Empire by Lawrence James Website: https://www.bbc.co.uk/bitesize/guides/zf7fr82/revision/1 Website: https://www.bbc.co.uk/bitesize/guides/zp6csg8/revision/1 	 Key Questions What allowed Britain to grow such a vast empire? What factors led to the decline of empire? How did war play a crucial role in the decline of empire? How did country's gain their independence? What legacy has the Empire left today? Which individuals were important in nationalist movements? What control does Britain have today? 	Keywords Empire an extensive group of states or countries ruled over by a single monarch, an oligarchy, or a sovereign state. Imperialism a policy of extending a country's power and influence through colonization, use of military force, or other means. Independence
NE - RING - ONE - FLAG- ONE - FLEET - ONE - EMPIRE -	Key events and Key People 1867 – Britain passes the British North America Act. The Provinces of the British North America become a federation called Canada. Canada rules itself but has close trade links to the British Empire 1901 – Australia became a federation of territories. 1931 – Britain created the Commonwealth of Nations. This effectively ended British rule over Canada, Australia and New Zealand. 1947- India gain Independence 1949 – Ireland became a Republic and Northern Ireland remained part of the UK.	Nationalism dentification with one's own nation and support for its interests, especially to the exclusion or detriment of the interests of other nations. Dominion sovereignty or control. Colonialism the policy or practice of acquiring full or partial political control over another country, occupying it with settlers, and exploiting it economically.



Wellington History Year 9 HT 4 Knowledge Organiser Why was the Second World War so significant? Who was to blame for the Holocaust?



✓ What and why? You will learn about the damage war	Key Questions	<u>Keywords</u>
 Stop, think and link: How would the end of WWI have 	How did Hitler's foreign policy cause World War 2?	Air Raid
helped to cause WWII?	• What was it like living in Britain during World War 2?	An attack in which bombs are dropped from aircraft
Atomic Bombs significant?	What was it like living in Germany during World War 2?	Axis Powers Name given to Germany, Italy, Japan
Want to explore further?	Was the Second World War a global war?	Allied Powers
Book: Woeful Second World War by Terry Deary Book: My Story Wartime Princess by Valerie Wilding	What was Hitler's Final Solution?	Name given to Britain, France, USA and USSR Blitz
Book: My Secret War Diary by Marcia Williams	Who was to blame for the Holocaust?	Bombing Raid
Website: <u>https://www.bbc.co.uk/teach/class-clips-</u> video/history-ks2-world-war-two/zjnyscw	Why did the war and?	Blitzkreig Lightning War
Website:		Civilians
		Non-Combatants in war
	Key events and Key People	Large prison camps for confinement and persecution of
	1939 Hitler invades Poland on 1 September. Britain and France	prisoners
	declare war on Germany two days later.	D-Day
The second	1940 German 'Blitzkrieg' overwhelms Belgium, Holland and France.	Allied attack on Western Europe
11 Children March 1 1	1941 Hitler begins Operation Barbarossa - the invasion of Russia.	Evacuation
	1942 Mass murder of Jewish people at Auschwitz and the	Leaving your home
	Extermination camps begins.	Holocaust
	1943 Surrender at Stalingrad marks Germany's first major defeat	Mass murder of Jews in occupied Europe
	IN RUSSIA. 1944 Soviet offensive gathers pace in Eastern Europe, German	Liberate
	troops begin retreats. D Day: The Allied invasion of France. Paris is	IO SEL IFEE
	liberated in August.	Fixed amounts of food and goods
	1945 Russians reach Berlin: Hitler commits suicide and Germany	Fixed amounts of 1000 and 9000s
	Hiroshima and Nagasaki, Japan surrenders on 14 August.	

Year 9: Pythagoras' Theorem

Topic/Skill	Definition/Tips	Example
1. Pythagoras'	For any right angled triangle :	Finding a Shorter Side
Theorem	$a^2 + b^2 = c^2$	y 10 subtract!
	c	8
	a	a = y, b = 8, c = 10 $a^2 = c^2 - b^2$
	b	$y^2 = 100 - 64$
	Used to find missing lengths	$y^2 = 36$
	a and b are the shorter sides, c is the	<i>y</i> = 6
	hypotenuse (longest side).	
2. 3D Pythagoras' Theorem	Find missing lengths by identifying right angled triangles .	Can a pencil that is 20cm long fit in a pencil tin with dimensions 12cm, 13cm and 9cm? The pencil tin is in the shape
	You will often have to find a missing	of a cuboid.
	length you are not asked for before finding the missing length you are asked for.	Hypotenuse of the base = $\sqrt{12^2 + 13^2} = 17.7$
		Diagonal of cuboid = $\sqrt{17.7^2 + 9^2}$ = 19.8 <i>cm</i> No, the pencil cannot fit.



Year 9: Right Angled Trigonometry

Exact Values of Trigonometric Functions										
Angle (θ) Degrees	0 °	30°	45°	60°	90°					
sin(θ)	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1					
cos(θ)	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	0					
tan(θ)	0	$\frac{1}{\sqrt{3}}$	1	$\sqrt{3}$	Not Defined					

Year 9: Coordinates and Linear Graphs

Topic/Skill	Definition/Tips	Example
1. Coordinates	Written in pairs . The first term is the x - coordinate (movement across). The second term is the y-coordinate (movement up or down)	A: (4,7) B: (-6,-3) B: (-6,-3) B: (-6,-3) B: (-6,-3)
2. Midpoint of a Line	Method 1: add the x coordinates and divide by 2, add the y coordinates and divide by 2 Method 2: Sketch the line and find the values half way between the two x and two y values	Find the midpoint between (2,1) and (6,9) $\frac{2+6}{2} = 4 \text{ and } \frac{1+9}{2} = 5$ So, the midpoint is (4,5)
3. Linear	Straight line graph.	Example:
Graph	The general equation of a linear graph is y = mx + c where <i>m</i> is the gradient and <i>c</i> is the y-	Other examples: x = y y = 4 x = -2
	intercept.The equation of a linear graph can contain an x-term, a y-term and a number.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
4. Plotting Linear Graphs	Method 1: Table of Values Construct a table of values to calculate coordinates.	x -3 -2 -1 0 1 2 3 y= x +3 0 1 2 3 4 5 6
	Method 2: Gradient-Intercept Method (use when the equation is in the form $y = mx + c$) 1. Plots the y-intercept 2. Using the gradient, plot a second point. 3. Draw a line through the two points plotted.	
5. Gradient	The gradient of a line is how steep it is.	Gradient = $4/2 = 2$
	Gradient = $\frac{Change in y}{Change in x} = \frac{Rise}{Run}$	Gradient = -3/1 =-3
	The gradient can be positive (sloping upwards) or negative (sloping downwards)	

6. Finding the	Substitute in the gradient (m) and point	Find the equation of the line with
Equation of a	(\mathbf{x},\mathbf{y}) in to the equation $\mathbf{y} = \mathbf{m}\mathbf{x} + \mathbf{c}$ and	gradient 4 passing through (2,7).
Line given a	solve for c.	
point and a		y = mx + c
gradient		$7 = 4 \times 2 + c$
		c = -1
		y = 4x - 1
7. Finding the	Use the two points to calculate the	Find the equation of the line passing
Equation of a	gradient. Then repeat the method above	through (6,11) and (2,3)
Line given two	using the gradient and either of the points.	
<u>points</u>		$m - \frac{11 - 3}{- 3}$
		$m = \frac{1}{6-2} = 2$
		y = mx + c
		$11 = 2 \times 6 + c$
		c = -1
		y = 2x - 1
8. Parallel	If two lines are parallel , they will have the	Are the lines $y = 3x - 1$ and $2y - 1$
Lines	same gradient. The value of m will be the same for both lines	6x + 10 = 0 parallel?
	sume for oour mes.	Answer
		Rearrange the second equation in to the
		form $y = mx + c$
		$2y - 6x + 10 = 0 \rightarrow y = 3x - 5$
		Since the two gradients are equal (3)
		the lines are parallel
		the fines are parallel.
9	If two lines are perpendicular , the	Find the equation of the line
Perpendicular	product of their gradients will always	perpendicular to $y = 3x + 2$ which
Lines	equal -1.	passes through (6.5)
	The gradient of one line will be the	Answer:
	negative reciprocal of the gradient of the	As they are perpendicular, the gradient
	other line.	of the new line will be $-\frac{1}{2}$ as this is the
		$\frac{1}{3}$
	You may need to rearrange equations of	negative reciprocal of 3.
	lines to compare gradients (they need to be	
	in the form $y = mx + c$)	y = mx + c
		$5 = -\frac{1}{2} \times 6 + c$
		c = 7
		1 7
		$y = -\frac{1}{3}x + 7$
		Or
		3x + x - 7 = 0

Year 9: Algebra: Quadratics and Rearranging Formulae

Topic/Skill	Definition/Tips	Example
1. Quadratic	A quadratic expression is of the form	Examples of quadratic expressions:
		x ²
	$ax^2 + bx + c$	$8x^2 - 3x + 7$
	where a, b and c are numbers, $a \neq 0$	Examples of non-quadratic expressions:
		$2x^3 - 5x^2$
2 Eastariaina	When a support of a support of the form	9x - 1
2. Factorising	when a quadratic expression is in the form $x^2 + bx + c$ find the two numbers that add	$x^{-} + 7x + 10 = (x + 5)(x + 2)$ (because 5 and 2 add to give 7 and
Quadratics	x + bx + c find the two numbers that aud to give b and multiply to give c	(because 5 and 2 and to give 7 and multiply to give 10)
	to give b and multiply to give c.	multiply to give 10)
		$x^{2} + 2x - 8 = (x + 4)(x - 2)$
		(because $+4$ and -2 add to give $+2$ and
		multiply to give -8)
3. Difference	An expression of the form $a^2 - b^2$ can be	$x^2 - 25 = (x + 5)(x - 5)$
of Two	factorised to give $(a + b)(a - b)$	$16x^2 - 81 = (4x + 9)(4x - 9)$
Squares		
4. Factorising	When a quadratic is in the form	Factorise $6x^2 + 5x - 4$
Quadratics	$ax^2 + bx + c$	
when $a \neq 1$	1. Multiply a by $c = ac$	1. $6 \times -4 = -24$
	2. Find two numbers that add to give b and multiply to give ac	2. Two numbers that add to give $+5$ and multiply to give 24 are $+8$ and -3
	3 Do write the quadratic replacing by with	$\frac{1}{2} \frac{1}{6} \frac{1}{2} \frac{1}$
	the two numbers you found	5.0x + 0x - 5x - 4
	4. Factorise in pairs – you should get the	2r(3r + 4) - 1(3r + 4)
	same bracket twice	5 Answer = $(3x + 4)(2x - 1)$
	5. Write your two brackets – one will be the	$\frac{1}{2} = \frac{1}{2} = \frac{1}$
	repeated bracket, the other will be made of	
	the factors outside each of the two brackets.	
5. Inverse	Opposite	The inverse of addition is subtraction.
		The inverse of multiplication is
		division.
6. Rearranging	Use inverse operations on both sides of	Make x the subject of $y = \frac{2x-1}{z}$
Formulae	the formula (balancing method) until you	
	The the expression for the letter.	Multiply both sides by z
		yz = 2x - 1
		Add 1 to both sides
		yz + 1 = 2x
		Divide by 2 on both sides $\frac{1}{2}$
		$\frac{y_2 + 1}{2} = x$
		Z We now have x as the subject
		$\frac{y^2 - y^2}{2} = x$ We now have x as the subject.

Year 9 French FOUNDATION Knowledge Organiser HT 6 – End of Year Revision							Giving an opinion J'apprécie Ça me fait rire		I appreciate It makes me laugh		La nourriture le pain le beurre le poulet une banane	Food bread butter chicken a banana
Past J'ai joué J'ai mangé J'ai nagé J'ai regardé J'ai visité J'ai bu J'ai fait Je suis allé(e) C'était	I played I ate I swam I watched I visited I drank I did I went It was	PresentI playedJe joueI ateJe mangeI swamJe nageI watchedJe regardeI visitedJe visiteI drankJe boisI didJe faisI wentJe vaisIt wasC'est		Je vais jouer Je vais mange Je vais nager Je vais regard Je vais visiter Je vais boire Je vais faire Je vais aller Ce sera	r l'm going to play ger l'm going to eat er l'm going to swim rder l'm going to watch er l'm going to visit e l'm going to drink e l'm going to do l'm going to go It will be		pieurer peur Je pense que À mon avis Je préfère J'adore J'aime bien J'aime bien J'aime beaucoup J'aime Je n'aime pas Je déteste Je ne supporte pas		cry scared I think that In my opinion I prefer I love I really like I like better I really like I like I like I don't like I hate I can't stand		les bonbons les chips la dinde les frites le fromage les fruits les fruits de me les légumes un oeuf les sucreries un gateau une glace	sweets crisps turkey chips cheese fruit er seafood vegetables an egg sweet things a cake an ice cream
Frequency words/How often?SouventOftenQuelquefoisSometimesParfoisSometimesParfoisSometimesNormalementNormallyDe temps en tempsFrom time to timeTous les weekendsEvery weekendUne/ deux foisEvery weekendpar semaineOnce/twice a weekNejamaisneverNeplusno more/no longerLa weekendLe weekendAt the weekendLe weekend dernierLast weekendLe matinIn the afternoonLe soirIn the eveningSamedi dernierLast Saturday			Connectives Mais Cependant Aussi Puis Plus tard D'abord Ensuite Après	But However Also Then Later Firstly Next Afterwards			Intensifiers Vraiment Très Assez Un peu trop	Really Very Quite A little bit too		le poisson la viande l'eau un jus d'orange le lait le vin la bière <u>Adjectives</u> ennuyeux drôle	fish meat water an orange juice milk wine beer Boring Funny	
		he weekend weekend ne morning ne afternoon ne evening	La formeFitnessJe mange beaucoup de fruits/des légumes.I eat a lo/des légumes.I eat a loJe ne fais pas assez d'exercice.I don't dJe bois beaucoup d'eau.I drink loJe vais à la gym.I go to thJe fume.I smoke.bon pour la santégood formauvais pour la santébad for y		s lot of fruit/vegetables do enough exercise. lots of water. the gym. ee. for your health r your health				rasant barbant passionnant amusant égoïste mignon jaloux fidèle têtu riche content	Boring Boring Exciting Fun/funny selfish cute jealous loyal stubborn rich happy		

Year 9 French HIGHER Knowledge Organiser

HT 6 – End of Year Revision

Past (Perfect)		Past (imerfect)		Present	Present Future (futur proche)			Euturo (futur simplo)						
J'ai joué	I played	Je jo	ouais	I was playing	Je joue	I play	Je	vais jouer	I'm going	to play	le iouerai	וווכ וג ו	will play	
J'ai mangé	l ate			/used to play	Je mange	l eat	Je	vais manger	I'm going	to eat	le mangerai	i I	will eat	
J'ai nagé	I swam	Je m	nangeais	I was eating/	Je nage	I swim	Je	vais nager	l'm going	to swim	le nagerai	· ·	will swim	
J'ai regardé	I watched			used to eat	Je regarde	l watch	Je	vais regarde	r l'm going	to watch	le regarder:	i I	will watch	
J'ai visité	l visited	Je n	ageais	I was swimming/	Je visite	l visit	Je	vais visiter	I'm going	to visit	le visiterai	, i	will visit	
J'ai bu	I drank			used to swim	Je bois	I drink	Je	vais boire	I'm going	to drink	le hoirai		will drink	
J'ai fait	I did	Je re	egardais	I was watching/	Je fais	l do	Je	vais faire	l'm going	to do	le ferai		will do	
Je suis allé(e)	l went			used to watch	Je vais	l go	Je	vais aller	l'm going	to go	l'irai		will go	
J'ai eu	I had	Je v	isitais	I was visiting/	J'ai	I have	Je	vais avoir	I'm going	to have	l'aurai		will have	
C'était	lt was			used to visit	Je suis	l am	Je	vais être	I'm going	to be	le serai		will be	
		Je b	uvais	I was drinking/	C'est	It is	Ce	e sera	It will be				Will be	
Frequency wo	rds/How ofter	h		used to drink								1		
Souvent	Often J		Often Je faisais I was doing/		I was doing/	Après avoir + past participle After having			Les loisirs	lioc	Lei	sure modios		
Quelquefois	Sometimes			used to do	J'ai l'intention de + infinitive I intend			Les comedies Comedies						
Parfois	Sometimes	J'all	ais	I was going/				Les feuilletons Soaps						
Normalement	Normally			used to go	Il faut/On doit + infinitive You must			Les émissions musicales Music programmes						
De temps	From times to	J'av	ais	I had/used to have	Giving an opin	ion				Les émissi	ons de sport	Spe	orts programmes	
entemps	time	J'éta	ais	I was/used to be	J'apprécie			l appreciate		Les émissi	ons de			
Tout le temps	All the time				Ça me fait			It makes me		science-fic	tion	Scier	nce-fiction progra	mmes
Tous les weeke	ands		Adjective	<u>es</u>	rire			lau	ıgh	Les émissi	ons de			
Every	weekend		ennuyeu	k Boring	pleur	er		cry	1	télé réalite	é	Real	ity TV shows	
Une/ deux fois			drôle	Funny	peur			sca	ared	Les jeux té	élévisés	Gan	ne shows	
par semaine	Once/twice a	a	rasant	Boring	Je pense que			I think that		Les dessin	s animés 	Cart	toons	
	week		barbant	Boring	À mon avis			In my opinio	n	faire du V		to d	o mountain bikin	Ig
Nejamais	never		passionna	ant Exciting	Je préfère			l prefer		faire de l'a	athletisme	to d	o athlectics	
Neplus	no more/no		amusant	Fun/funny	Je les aime			I like them		faire des r	andonnees	to g	O NIKING	
longer egoiste selfish mignon cute		Je l'aime			l like it/him/	her	liro	ſ		nain				
		icalous	J'aime bien		I really like			me		1011	eau			
			fidèle	loval	J aime mieux			I like bette	er	Connectiv	es		où	where
			têtu	stubborn		ap No nour		l'm nassiona	te about	car	because	5	pourtant	however
			riche	rich	le m'intéresse	à la/au/aux		l'm intereste	in.	comme	as, since	e	y compris	including
			content	happy	Ce que i'aime l	e plus, c'est	•	What I like h	est is	de plus	what's n	nore	-	-
				1 1-7	Je ne supporte	pas		I can't stand		donc	therefor	e		
										finalemen	t finally			

Was gibt es auf dem Foto Es gibt	o? What is in the photo? There is/ are		Year 9 Germa	n Kn
einen Mann	a man		Role-play	voca
einen Junge eine Frau eine Familie ein Mädchen zwei Männer zwei Frauen zwei Jungen viele Leute niemand Sie sprechen Er/ sie spricht Sie spielen Er/ Sie spielt Sie benutzen Er/ sie benutzt Sie essen Er/ sie isst Sie sehen Er/ sie sieht Sie sehen Er/ sie sieht Sie sind Er/sie ist zu Hause in der Stadt in der Schule im Geschäft glücklich unglücklich	a man a boy a woman a family a girl two men two women two boys lots of people no one They are talking He/ She is talking They are playing He/ She is playing They are playing He/ She is playing They are using He/ she is using They are eating He/ she is eating They are watching He/ she watches They are He/ she is at home in town at school in a shop happy unhappy	D LOCATION ACTION PEOPLE	Role-playWie bitte ?Gibt es ?Hast du ?Haben Sie ?Wo ist ?Wie komme ich zum/ zur ?Was kostet das ?Magst du ?Wann beginnt ?Wann endet ?Ich möchteins Kino gehenzwei Kartenfür zwei Personneneinen Tischneben dem Fensterdie Speisekarteeine Ermäßigungnach Berlin fahrenhin und zurückein Doppelzimmerfür zwei Nächtemit einem Blickmit BalkonFrühstückHalbpension	voca Par Is Ha Ha Ho Ho Do Wh Ho Do Wh I w to two for a t ne a r to a r a c for wit wit bre hal
Es ist ihnen langweilig Es ist ihm/ ihr langweilig	They are bored He/ She is bored	MOOI	There are helpful videos on l role-play on the Wellington	now te MFL

ear 9 German Knowledge Organiser: Half Term 5

Role-play	vocabulary	Questi	on words
ich zum/ zur ? das ? nt ? : ?	Pardon ? Is there/ are there ? Have you (got) ? Have you (got) (polite) ? Where is ? How do I get to ? How much is that ? Do you like ? When does begin ? When does end ?	Was ? Wo ? Wae ? Wann ? Warum ? Was für ? Wer ? Mit wem ? Wie so ?	What ? Where ? How ? When ? Why ? What sort ? Who ? Who with ? Why ?
	I would like		
ehen	to go to the cinema	Pronu	inciation
	two tickets	l etter (s)	Sound
sonnen	for two people	ie	ee
	a table	W	V
Fenster	next to the window	V	f
arte	menu	е	uh
gung	a reduction	j	yuh
n fahren	to go to Berlin	sch	shh
ück	a return	sp	snp sht
immer	a double room	5L 7	ts
chte	for two nights	ei	eve
lick	with a view	au	ow
	with a balcony	eu	оу
	breakfast	ö	er
1	halfboard	ü	00
1		ä	e
elpful videos on h	now to do a photo card and	There are u	seful videos
on the Wellington	MFL YouTube Channel.	on how to	o pronounce

on how to pronounce these letters on the Wellington MFL YouTube Channel.

INFINITIVE	PAST	IMPERFECT	PRESENT	FUTURE
SPIELEN = to play	Ich habegespielt	Ich spielte	Ich spiele	Ich werdespielen
MACHEN = to do	Ich habegemacht	Ich machte	Ich mache	Ich werdemachen
WOHNEN = to live	Ich habegewohnt	Ich wohnte	Ich wohne	Ich werdewohnen
HÖREN = to listen	Ich habegehört	Ich hörte	Ich höre	Ich werdehören
GUCKEN= to look at	Ich habegeguckt	Ich guckte	Ich gucke	Ich werdegucken
ARBEITEN = to work	Ich habegearbeitet	Ich arbeitete	Ich arbeite	Ich werdearbeiten
Zeit VERBRINGEN mit = to spend time with	Ich habe Zeit mit verbr a cht	Ich verbrachte Zeit mit	Ich verbringe Zeit mit	Ich werde Zeit mitverbringen
LESEN = to read	Ich habegelesen	Ich las	Ich lese	Ich werdelesen
SEHEN = to watch	Ich habegesehen	Ich sah	Ich sehe	Ich werdesehen
ESSEN = to eat	Ich habegegessen	Ich aß	Ich esse	Ich werdeessen
TRINKEN = to drink	Ich habegetr u nken	Ich trank	Ich trinke	Ich werdetrinken
FINDEN = to find	Ich habe esgef u nden	Ich fand es	Ich finde es	Ich werde esfinden
HELFEN = to help	Ich habegeh o lfen	Ich half	Ich helfe	Ich werdehelfen
Sport TREIBEN = to do sport	Ich habe Sport getrieben	Ich trieb	Ich treibe Sport	Ich werde Sport treiben
GEHEN = to go	Ich bin ge gang en	Ich ging	Ich gehe	Ich werde gehen
AUFWACHEN = to wake up	Ich bin aufgewacht	Ich wachteauf	Ich wacheauf	Ich werdeaufwachen
AUFSTEHEN = to get up	Ich binaufgest and en	Ich standauf	Ich steheauf	Ich werdeaufstehen
SEIN = to be	Ich bingewesen	Ich war	Ich bin	Ich werdesein
HABEN = to have	Ich habegehabt	Ich hatte	Ich habe	Ich werdehaben
GEBEN = to give (there were/is/will be)	Es hatgegeben	Es gab	Es gibt	Es wird geben

<u>Opinions</u> Ich mag mein Haus	I like my h	JUSE	Year 9 Ger	man K	Knowledge Organiser:	Half Term 6			
Ich mag nicht meine Stadt. Ich liebe Schokolade.	t meine Stadt. I do not like my town. bkolade. I love chocolate.		Opinion Adverbs		Adverbs of frequency	Question words			
Ich hasse Federball. Timperley gefällt mir.	I hate badminton. I like Timperley.		Rule: ADD to the VERB.		Rule: ADD to the VERB.	Was ? Wo ?	What ? Where ?		
Mein Handy ist mir wichtig. Musik macht mich glücklich	My mobile . Music make	is important to me. es me happy.	Ich trage gern Jeans. <i>I like to wear jeans</i> .		Ich trage nie Jeans. Ich trage immer Hose.	Wie ? Wann ?	How ? When ?		
Sport ist nicht mein Ding. Ich finde das praktisch Ich denke, dass	Sport is no I find that I think that	t my thing, practical.	Ich trage lieber einen Rock I prefer to wear a skirt.	K.	oft <i>often</i> immer <i>always</i>	Warum ? Was für ? Wer ?	Why ? What sort ? Who ?		
Ich glaube, dass Ein Vorteil ist, dass Ein Nachteil ist, dass	I believe th An advanta A disadvan	at ge is that tage is that	Ich trage am liebsten Ohrri I like to wear earrings most/bu	nge. <i>est.</i>	ab un zu <i>now & again</i> nie <i>never</i>	Mit wem ? Wie so ?	Who with ? Why ?		
Meine Eltern denken, dass Meine Mutter glaubt, dass	My parents My mother	think that believes that	Sequencing words: Jeden Tag everyday	Use Loc	a variety of connectives	<u>s:</u> e normal pos	sition.		
<u>Qualifiers</u> sehr very wirklich quite	More interesting blöd unterhaltsam	adjectives rubbish entertaining	Zuerstfirst of allDannthen, nextDanachafterwards	und and denn because oder or aber aber 1 2 Ich benutze das Internet und ich chatte mit Freunden.					
ganz quite echt really zu too	lässig idyllisch gemütlich	relaxed idyllic cosy	<i>Später</i> later <i>Zum Schluss</i> finally <i>Endlich</i> finally						
Past Time Expressions:	vesterdav	Future Time Exp	pressions:	jedo	:king: the verb sticks to i och however	<u>it.</u>			
<i>Letztes Wochenende Letztes Jahr</i>	last weekend last year	Morgen Nächstes Wochend	tomorrow ende next weekend	Ich	<i>verb</i> mag Wasser, jedoch trinke	ich lieber Cola	Э.		
Früher Neulich	before recently	Nächsten Sommer In der Zukunft	next year next Summer in the future	Kicl weil	Kicking: kicks the verb to the end of the sentence weil because				
Damals Back then Damals In der Zukunft we Damals In the future I will		erde ich in Berlin <i>wohnen</i> live in Berlin	da dass obw	because/ as s that rohl although					
Back then I had no phone.				Ich	lade Musik herunter, da es	praktisch ist.			
40 WORD STRATEGY 10 WORDS for each bull Present tense.	et point.	90 WORD STRA 20 WORDS for e 3 time frames A	TEGY each bullet point. ND 2 opinions.						

INFINITIVE	PAST	IMPERFECT	PRESENT	FUTURE
SPIELEN = to play	Ich habegespielt	Ich spielte	Ich spiele	Ich werdespielen
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SEHEN = to watch	Ich habegesehen	Ich sah	Ich sehe	Ich werdesehen
ESSEN = to eat	Ich habegegessen	Ich aß	Ich esse	Ich werdeessen
TRINKEN = to drink	Ich habegetr u nken	Ich trank	Ich trinke	Ich werdetrinken
FINDEN = to find	Ich habe esgef u nden	Ich fand es	Ich finde es	Ich werde esfinden
HELFEN = to help	Ich habegeh o lfen	Ich half	Ich helfe	Ich werdehelfen
Sport TREIBEN = to do sport	Ich habe Sport getrieben	Ich trieb	Ich treibe Sport	Ich werde Sport treiben
GEHEN = to go	Ich bin ge gang en	Ich ging	Ich gehe	Ich werde gehen
AUFWACHEN = to wake up	Ich bin aufgewacht	Ich wachteauf	Ich wacheauf	Ich werdeaufwachen
AUFSTEHEN = to get up	Ich binaufgest and en	Ich standauf	Ich steheauf	Ich werdeaufstehen
SEIN = to be	Ich bingewesen	Ich war	Ich bin	Ich werdesein
HABEN = to have	Ich habegehabt	Ich hatte	Ich habe	Ich werdehaben
GEBEN = to give (there were/is/will be)	Es hatgegeben	Es gab	Es gibt	Es wird geben



Year 9 Music – T3: School of Rock

KEYWORDS

Performing Four Chord Pon	Songs - Keyboard			Performing Four Chard Pon Songs - Drum kit
		Rap	Stands for 'rhythm and poetry'. Speak- ing lyrics to a beat.	f you don't have access to a drum kit, use the drum kit sounds on the eyboard. Look for the symbols above the notes on the keyboard.
F G A B C D E F	C D E F G A B C	Ensemble	A musical group, e.g. a band/choir/ orchestra.	Simple 1 & 2 & 3 & 4 & Hi-Hat. Image: Share
C D E F G A B C Em vi	C D E F G A B C C IV	Rock Lyrics	A genre of pop- ular music that evolved from rock and roll and pop music during the 1960s. The words to the song.	Bass ()) Image: Standar d Image:
Performing Four Chord Po	p Songs - Ukulele	Rhyme	Words with endings that sound the same, e.g. bend and friend, said and shed, day and way.	Performing Four Chord Pop Songs - Guitar
Performing Four Chord Pop	p Songs - Ukulele	Rhyme Chord Progression	Words with endings that sound the same, e.g. bend and friend, said and shed, day and way. Movement from chord to chord	Performing Four Chord Pop Songs - Guitar
Performing Four Chord Pop	p Songs - Ukulele	Rhyme Chord Progression Compose	Words with endings that sound the same, e.g. bend and friend, said and shed, day and way. Movement from chord to chord To create your own piece of music.	
Performing Four Chord Pop	p Songs - Ukulele	Rhyme Chord Progression Compose Chorus	Words with endings that sound the same, e.g. bend and friend, said and shed, day and way. Movement from chord to chord To create your own piece of music. The catchy part of the song that is repeated after each verse. In rap songs, the chorus is usually the part that is	<complex-block></complex-block>

Unit 3: Crime and its consequences Year 9

<u>Skills</u>

- Engage with and reflect on different ideas, opinions and beliefs to help develop personal opinion.
- Can express and explain opinions through discussion and written assessments.
- Develop empathy with the situations others may find themselves in

Knowledge

- Enhance awareness for the reasons young people commit crime.
- Understand both short and long term effects of crime.
- Develop our knowledge about what prison life is like.
 Be able to describe the purpose of prison.

Be aware of alternatives to prison. Be able to assess the impact of prison on human rights.

- Understand the youth justice system.
- Appreciate the dilemma of giving evidence.





Y9: Unit 3 Humanism

Humanism in the UK is a growing movement that seeks to separate religion from state. Ultimately Humanists want equality and fairness for all human beings and they believe that this cannot be achieved when religion governs our laws, morals and education systems. In this unit you will consider what it actually means to be a Humanist today and how this world view has an impact on ethical decision making and philosophical enquiry. Would the world be a better place if we were all Humanist?

Religions

Lesson 1

What does it mean to be Humanist?

How do we live fulfilled lives according to a Humanist? What is the role of science and religion in society for a Humanist?

Lesson 4

P4C: should religion be banned?

Thinking back in history, when and where was religion banned? Was this necessary?

Can you consider various pieces of evidence to agree/disagree with religion being banned across the world?

Lesson 7

What do Humanist marriages/funerals look like?

Why would a Humanist say that a marriage ceremony is still important?

Can you describe the differences between a religious/humanist wedding/funeral?

'A funeral is a waste of money – after all, you're dead!' – how would a Christian, Buddhist and a Humanist respond?

Ethics

Lesson 2 Is religion necessary in the 21st century? A humanist view of society.

What does secularisation mean?

Is the UK a secular society? Explain why/why not.

'Religion still has purpose in the 21st century' – how would a Buddhist, Christian and Humanist respond?

Lesson 5

Do Humanists value life? Euthanasia, abortion and animals.

What is the difference between being pro-life and prochoice? Give examples to explain.

What are Humanist views on euthanasia, abortion and the treatment of animals?

What do the terms quality of life and sanctity of life mean?

Lesson 8

Organ donation after death – should we all do it?

What is the organ donor register? How does it work? What is the Humanist view on organ donation?

Philosophy

Knowledge

Organiser

Lesson 3

Do we need God to be good?

Can you give examples of moral rules for Buddhists and Christians?

'Religious people only do good things because they are worried that God is watching' – do you agree or disagree? Can you explain your opinion?

Lesson 6

What are Humanist views on life and death?

How do Humanists think that we live on after death? Is there any scientific evidence for life after death? If there is no life after death, does it make this life pointless?

Lesson 9

Revision for your EOY examination

Your end of year examination will not only include elements of Humanism but also Christianity and Buddhism. Crucially, you need to be able to compare and contrast elements of each of the movements you have studied this academic year.

Following these 9 lessons pupils will be assessed and feedback will be given in exercise books.







better hope – brighter future





Part	PIXL ners in excellence						Cru	Displayed formu	<mark>la fo</mark>	f <mark>or first</mark>	four alkanes	s				Each fract molecules	ion contai s with a sir	ns nilar	PIXU															
	Crude oil	A finite res	ource	Consistin plankton in the mu the rema	ng mainly of that was buried ud, crude oil is ains of ancient		de oil, hydro Methane (CH ₄)		de oil, hydro Methane (CH ₄)		de oil, hydro Methane (CH ₄)		and alkar		and alkar		and alkar		H−C−H H−C−H H H and alkar		$\begin{array}{c c} H - C - H \\ H - C - H \\ H \\ H \\ H \\ Methane (CH_4) \end{array}$		$\begin{array}{c c} H = C = H \\ H = C = H \\ H$		$\begin{array}{ccc} & & & & & \\ & C - H & & H - C - C - H \\ & H & H & H \\ & H & H & H \\ & ane (CH_4) & Ethane (C_2H_6) \end{array}$			Fractions	The hydrocarbons in crude oil can be split into fractions		number of carbon atoms in them. The process used to do this is called fractional distillation.		toms in used to tional	
	Hydrocarbon	ns These make majority of compoun crude of	up the of the ds in pil	These co made up carbon o	mpounds are of hydrogen and nly.		rocarbons H H H H-C-C-C-H H H H Propane (C ₃ H ₈) Carbon compor and feed		bcarbons H H H H-C-C-C-H H H H H H H Propane (C_3H_8)		$\begin{array}{c} H & H & H \\ - & - & - \\ H - C - C - C - H \\ - & - & - \\ H & H & H \\ \end{array}$ Propane (C ₃ H ₈)		bcarbons H H H H - C - C - C - H H - C - C - C - H H H H Propane (C_3H_8)		bcarbons H H H H - C - C - C - H H H H Propane (C_3H_8)		bcarbons H H H H-C-C-C-H H H H Propane (C_3H_8)		ocarbons H H H H H - C - C - C - H H H H H Propane (C_3H_8)		b b c a b b b c b c d b d d d d d d d d		H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H H		H H H H H H H H C C C C C H H H H H H H H H H ₈) Butane (C ₄ H ₁₀)		$\begin{array}{c c} H & H \\ -C -C -C -H \\ H & H \\ (C_4 H_{10}) \end{array} \qquad $		Fractions can be processed to produce fuels and feedstock for		We depend on many of these fuels; petrol, diesel and kerosene. Many useful materials are made by the petrochemical			
	General formula for alkanes	C _n H _{2n}	2	For exam	nple: C ₂ H ₆				on compounds as fuels and feedstock		is fuels			industry		industry; solvents, lubricants and polymers.		ubricants																
	The brea	aking down of	The smal	ller chains	C_6H_{14}		7	SCIEN	CE	:		Fr	ractional di petrocl	stillation an nemicals	d		(20 °C	Butane & Propane															
Cracking	long chain into small	n hydrocarbons ler, more useful chains	Cracking methods steam cra	; can be do s including acking.	one by various g catalytic cracking	and Fuels (Pa			art	– C8 t 2)	chains	In oil	Hydroca in	l rbon chains in lots of differer	crude oil It lengths.	come	л л	150°C ــــــــــــــــــــــــــــــــــــ	Petrol															
	Sulfur dioxide	Released fi hydrocarboi impur	om burnin as with sul ities in	ng Ifur	Sulfur dioxide disso acid rain. This dam make water habita also weather limes structures. It can m crop growth	solves in rain water to form mages plant life and can tats acidic. Acid rain can estone and sandstone make soil acidic and affect			F	Fuel	Hydrocarbon	Boiling points	The dep fractio separa	boiling point of ends on its len nal distillation te at different due to th	of the chai gth. Durin they boil temperat is.	in ng and Crud ures	e Oil	300°C ▲ 和 和 370 °C 교 和 和 400 °C	Diesel Fuel Oil															
	Oxides of nitrogen	Oxygen and f from the ai temperatures	nitrogen re r under hig inside eng	eact gh gines	As pollutants, oxid rain and are also cl gases. Can cause re	des of nitrogen cause acid classified as greenhouse respiratory problems.					During the combu	e cor	mplete n of			TH hea fu	ne oil is ated in a urnace		Lubricating oil, Parrafin Wax, Asphalt															
	Hydrogen fuel	Hydrogen rea with oxygen in engine as a fue	cts - the - tor	vantages : Water is t No green Renewab	: the product house gases release le	sed				Combustion	nydrocarbon and hydroge are oxidise carbon dioxid	s, th n in d, re de, w	ne carbon the fuels eleasing water and	Methan CH ₄	Complet e + oxygei (g) + 2	te combust n → carbor O ₂ (g) →	ion of met dioxide + CO ₂ (g)	hane: water + e + 2 H ₂ O	nergy (I)															
		the vehicle	Dis - -	sadvantag Expensive Difficult to	ges: e to buy o re-fuel						energy. During the incomposition		omplete which		point iture at iid boils)	As the hydrocarbon chain increases, boiling point inc		n length ocreases.																
	Fossil fuels	Crude oil, natu gas and coa	ral Pet	trol, keros found in n	sene and diesel oil a atural gas and is als	l are non-renewable. Methane also non-renewable.				enewable. Methane newable. enough oxy 		s, the gen a	nere is not available mbustion.	not ble Viscosity As the h on. (how easily it flows) increas		the hydrocarbon chain length creases, viscosity increases.		n length eases.																
	Incomplete combustion issues	Carbon monoxide is odourless, to gas that can	Soot an atmo kic amo kill rainf	t (carbon) osphere a ount of su fall patter	is also produced th and can cause globa nlight that reaches ms.	hat builds up in the al dimming. This reduces the the Earth and can alter				Incomplet	The produ reaction monoxide, wa	is ca carb ter.	of the arbon bon and	Flamm (how easily	ability v it burns)	As the increa	e hydrocai ses, flamn	rbon chai nability de	n length ecreases.															

Science – Physics: P2 Motion



Science Physics – P1 Maths in Science

In Science, all scientists use **SI units** to measure certain quantities.

We use multiples and sub-multiples of SI units if quantities are very large or very small.

Quantity	SI unit	Abbreviation
Distance	metre	m
Mass	gram	g
Time	second	S
Current	ampere	А
Temperature	kelvin	К
Concentration	mole	mol
Frequency	hertz	Hz
Force	newton	Ν
Energy	joule	J
Power	watt	W
Pressure	pascal	Pa
Electric charge	coulomb	С
Potential difference	volt	V
Electric resistance	ohm	Ω
Magnetic flux density	tesla	Т

