

Inspiring Education for All

Name:

Tutor:

Ready, Responsible, Respect



Ambition

nccess

Enjoyment

Homework Timetable

	Week A	Week B
Monday		
Tuesday		
Wednesday		
Thursday		

Learning Cycle 1

Your Knowledge Organiser

Contents

How To Use your Knowledge Organiser For Homework	p.4
Look, Cover, Write, Check, Correct	p.5
Knowledge Quiz	p.6
Art & Photography	p.7
Computing	p.8
Food & Nutrition	p.9
Design & Technology	p.10
Drama	p.11
English	p.12
Geography	p.13
History	P.15
Maths	p.16
MFL French	p.17
MFL German	p.18
Music	P.19
P.E	p.20
Science	p.21

Learning Cycle 1

How to Use Your Knowledge Organiser

Self -Quizzing

Your Knowledge Organiser contains all of the key information you need to know for each subject area.

Your Knowledge Organiser will allow you to revise this key information and make sure it is stored in your long-term memory

The best way to use this resource is by self-

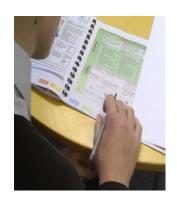
Learning Cycle (

The best way to use this resource is by self-quizzing.

"look, cover, write and check"

Look, Cover, <u>Write</u>, Check, Correct

First, look through and read the information on a section of your Knowledge Organiser.



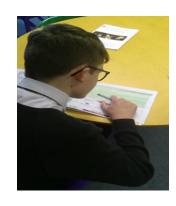


_earning Cycle (

Then, cover the section so you can no longer see the information.

Next, try and **write out** the key definitions or facts that you need to know.





Now, uncover the section of your Knowledge Organiser and check how correct you were.

Finally, correct anything that you wrote down that was incorrect in **purple.**

Ambition

Success

Enjoyment

Knowledge Quiz

You teacher will quiz you on your Knowledge Organiser during the term .

Record your score from each quiz in the mark box.

Quiz 1			
Quiz 2			
Quiz 3			
_			
Quiz 1			
Quiz 2			
Quiz 3			
Quiz 1			
Quiz 2			
Quiz 3			

Learning Cycle 1

ii Art - Term 1 - Formal Elements Year 9

Art Technique Key Words

Materials & Techniques

The size relationship between different parts - eg height compared to width The way an artist uses tools and materials to create a piece of art The materials and tools used by an artist to create a piece of art The bright or reflective area on an object or piece of art The darker areas within a piece of art or object Shadow/shade Composition Proportion

Coloured

Pencil

the path left by a moving point, e.g. a pencil or a brush dipped in paint. It can ake many forms. e.g. horizontal, diagonal

means the lightness or darkness of or curved.

something. This could be a <u>shade</u> or how dark or light a <u>colour</u> appears the surface quality of something, the way

TONE 10

an area enclosed by a <u>line</u>. It could be just an outline or it could be <u>shaded</u> in. omething feels or looks like it feels. There are two types: Actual and Visual

EXTURE

a design that is created by repeating lines. shapes, tones or colours.

SHAPE

can be manmade. like a design on fabric, or natural, such as the markings on animal fur.

PATTERN

There are 2 types including Primary and Secondary . By mixing any two Primary together we get a Secondary

COLOUR

ا Pencil & Pen Pen and Ink

, sautxst

Hatching &

Design Keyword: Pattern,

half drop repeat,

Line & Wash

Cross hatching

Blending

Art

¥.

Enjoyment

Year 9 Legal and Ethical Knowledge Organiser

Legislation

Data Protection Act - law that controls how you personal information is used by companies, organisations or the government.

Computer Misuse Act - law that secures computer material against unauthorised access or modification.

Health & Safety at Work Act - law that covers occupational health and safety.

Copyright, Designs and Patents Act - gives the creators of literary, dramatic, musical and artistic works the right to control how their content is used.

Ethics

Machine Learning - an automatic method of data analysis.
Copyright - the owners rules about how their work is used.
Copyright Infringement - works that are copyrighted are used without permission.

Hacking - breaking into a computer network or system

illegally

AI - Artificial Intelligence

Net Neutrality - concept that all data on the internet should be treated equally.

Patent - prevents others from copying or selling an invention.

Keywords/Key Terms

Legislation - laws that are created for a particular reason or purpose.

Data - facts and statistics that are collated together for reference of analysis.

Password - a string of characters that allow access to a computer system or service.

Ethics - considering whether something is "right" or "wrong".

Encryption - a method of converting information into secret code.

Environment - the surroundings or conditions that a person lives or operates within.

Open Source Software - software that can be changed. **Proprietary** - software that cannot be changed.

ccL - Creative Commons License

Lawful - actions that are within the law.

Environmental

E-Waste - Electronic waste- includes anything with a battery, plug, cords or electrical part.

Recycling - the process of converting waste into new materials or objects.

Environmental Impact - how the environment is affected by an action or event.

The Eatwell Guide



- This group should make up just over a third of the food eaten Fruit and vegetables
- Aim to eat at least five portions of a variety each day.
 - Choose from fresh, frozen canned, dried or juiced.
- A portion is around 80g (3
- of fruit juice or smoothie count as 30g of dried fruit or 150ml glass a max of 1 portion each day

Potatoes, bread, rice, pasta or

- other starchy carbohydrates Base meals around starchy carbohydrate food.
- This group should make up just over a third of the diet.
- Choose higher-fibre, wholegrain varieties.

Dairy and alternatives

- Good sources of protein and
- An important source of calcium, which helps to keep bones
- Should go for lower fat and lower sugar products where possible

Are high in fat, sugar and energy

cream.

and are not needed in the diet.

If included, should be had infrequently and in small

sugar soft drinks, butter and ice

chocolate, cakes, biscuits, full-

Foods high fat, salt and sugar

Includes products such as

To find out more, go to: nttps://bit.ly/2QzUMfe

The Eatwell Guide

Is suitable for most people over 2 Comprises 5 main food groups.

These eight practical tips cover the basics

8 tips for healthier eating

of healthy eating, and can help you make

Base your meals on starchy

healthier choices

carbohydrates.

- Shows the proportions in which needed in order to have a welldifferent groups of foods are balanced and healthy diet. years of age.
- representative of food eaten over Shows proportions a day or more

Beans, pulses, fish, eggs, meat

- Sources of protein, vitamins and and other protein
- aim for at least two portions of Recommendations include to fish a week, one oily, and;
 - meat, should cut down to no 90g/day of red or processed People who eat more than more than 70g/day.

Eat less salt (max. 8g a day for adults) Get active and be a healthy weight Don't skip breakfast Don't get thirsty.

Hydration

- Aim to drink 6-8 glasses of fluid every
- Water, lower fat milk and sugar-free drinks including tea and coffee all
- but should be limited to no more than a Fruit juice and smoothies also count combined total of 150ml per day.

Much of the food people eat is in the than one kind of food component in form of dishes or meals with more Composite/combination food them. For example, pizzas,

casseroles, spaghetti bolognese and ingredients from more than one food combination' or 'composite' foods. group. These are often called sandwiches are all made with

Eat lots of fruit and veg. Eat more fish – including a portion of

Cut down on saturated fat and sugar

oily fish.

and proportions of foods needed in

Hydration: The process of replacing water in the body.

the diet.

eating model showing the types

he Eatwell Guide: A healthy

carbohydrate found in plant foods.

Dietary fibre: A type of

Food made with ingredients from

Composite/combination food:



nore than one food group.

Meals and snacks can be sorted into The Eatwell Guide food groups.

Composite/combination food - Lasagne

Dietary fibre is a type of carbohydrate

Generally, people are eating too

much saturated fat and need to

reduce consumption.

sources and in liquid form as oil,

e.g. olive oil.

Unsaturated fats are healthier fats that are usually from plant

Oil and spreads





Pasta (lasagne sheets): Potatoes, bread, rice, pasta or other starchy carbohydrates

Dietary fibre helps to: reduce the risk of

and, seeds.

cancers; help weight control; bulk up stools; prevent constipation; improve

heart disease, diabetes and some

beans; lentils; fruit; vegetables; nuts;

Food examples include wholegrain

found in plant foods

cereals and cereal products; oats;

Lean minced meat (or meat substitute): Beans, pulses, fish, eggs, meat and other Onions, garlic and chopped tomatoes: Fruit and vegetables

Cheese sauce made with milk and cheese: Dairy and alternatives protein –

The recommended average intake for

dietary fibre is 30g per day for adults.

Olive/vegetable oil used to cook onions and mince: Oil and spreads

T - food & Nutrition

Community

Design Considerations

Thermoplastic

Acrylic -

Aesthetics - What does is ook like - colour/texture/

workshop. It is purchased usually in the form of sheets and comes in a range of colours. It

is resistant to most acids and weather

conditions.

This is the most common plastic in a school

ensure the product and users anthropometric data to Ergonomics - Using fit together well.

its excellent moulding qualities. Used for the

production of bottles, bowls, toys, tube etc.

Can be moulded into almost any form due to

Polythene -

the impact of the product on naterial extraction to end-Environment - Considering the environment from

Materials - What material/s is it made out of? Why?

Melamine Formaldehyde -

Thermosetting

What does it do? How does it purpose of the product? Function - What is the

There are two types of polymers..

toughness, making it suitable

Has physical properties of

Urea Formaldehyde (UF) -

high hardness and high

for strong, knock-resistant

electrical fittings. It is also

scratch resistant and a very

making electrical fittings good electrical insulator,

manufactured from this

polymer safe to use.

Thermoplastics

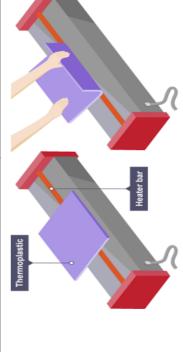
Thermosetting .

also known as thermoforming these are types of plastics that are formed by heat and can be reformed

recycled by chopping them up plastics that once formed or reformed. If you heat them set, cannot be reheated and they either catch fire or go together by press forming and by pushing the pieces into a blob. They can be nto sheets

Equipment is expensive, as is maintenance Disadvantages of laser cutting Ventilation is needed Training is needed Advantages of laser cutting Can cut complex shapes eaves a smooth edge. Precise and accurate Engraves and cuts Time efficient

	Advantages of 3D printing	Disadvantages of 3D printing
Used in the production of	No moulds or formers are needed	Equipment is expensive, as is maintenance
plastic laminates because of its smooth surface and	Alterations can be made to the design digitally Training is needed before wasting materials	Training is needed
hygienic qualities. Also used in electrical plugs and sockets because it can be cost and it	It uses hardwearing, durable, waterproof and lightweight plastics	Can only use plastics
is an excellent insulator.	Can create complex shapes	The layering process is slow



Bending plastics

wide, along the length of the long machine. These are used to heat polymers along this line so that they can be bent. Once the polymer softens, it will bend easily into shape around a former before being left to cool. It is a fast and easy process but can only form basic shapes. Heated polymers A line bender has a heated element that provides heat, concentrated to just a few millimetres can be placed in a cooling jig so that the bend produced is the same each time,

Design & Technology

Knowledge & Understanding:

Verbatim: is a form of documentary theatre in which plays are constructed from the precise words spoken by people interviewed about a particular event or topic.

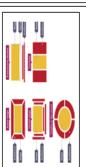
Acting for the Screen, acting for the Stage.

Creative Intentions: your creative vision for your work.

Roles & Responsibilities in Theatre: Roles such as director; actor; designer; writer; dancer; singer; choreographer.

acting techniques used together. It encompasses the use of the whole body, the full range and quality of the voice, the Classical Acting Technique: an umbrella term for different actor's imagination, the actor's ability to personalize, improvise, use external stimuli, and analyse scripts. Method Acting Technique: describes a range of training and **rehearsal techniques** that seek to encourage sincere and emotionally expressive performances.

Theatre-in-the-Round Promenade Theatre Proscenium Stage Traverse Stage



Fourth wall: a performance convention in which an invisible, imagined wall separates actors from the audience. Thrust Stage

Proximity: How close or far you are from your co-performers threatening gangster who speaks to his victim from perhaps can be a source of very powerful impact. For example, the a couple of inches.

Cross-Cutting: two or more scenes are performed on stage at the same time.

performers speak directly to the audience to tell a story, give Narration and Narrating: a technique whereby one or more information.

Still Image/freeze frame: It is like pressing the pause button on a remote control, taking a photo, or making a statue.

Style and Form: the methods used to tell a story i.e. mime or Non-Naturalistic: physical theatre.

where no-one

pretending that what include slow motion & is happening on stage naturalistic techniques realistic.

Physical Theatre: Soundscape

emphasizes the use of as in dance and mime, physical movement, theatre which

Symbolism:

for expression.

characters, props, and Symbolism in terms done with colour, of theatre can be movement,

Naturalism: theatre

costumes.

range of dramatic and theatrical strategies. create an illusion of reality through a that attempts to

Thought-Tracking:

thoughts or feelings of Speaking aloud the a character in a

Voice-Over: Narration heard over what is seen on stage.

Mime: Action without words

Physical Theatre: Theatre which emphasizes the use of physical movement for

Suspension of disbelief: Logically you understand that the drama is not real but you override this reaction and believe in it anyway.

Empathy: The ability to understand and share the feelings of another.

Character: Playing someone different from yourself. A person in a novel, play or

Character Motivation: the reason behind a character's behaviours and actions.

Stereotype: a widely held but fixed and oversimplified image or idea of a particular

type of person or thing.

Cliché: overused and unoriginal.

Spontaneous Improvisation: completely unplanned

Polished Improvisation: refinement through rehearsal, of characters, scenarios, and dialogue without a script.

Genre: A style or category of drama.

Proscenium Stage: Where curtains are used to separate the stage and the audience.

Blocking: Where an actor stands in front of another actor and blocks the audiences

It also means when the Director organises the precise movement of actors on a

Profile: to stand side on to the audience so that they see the side and not the front of your face.

concerned understand each other's feelings or ideas and communicate well with Rapport: a close and harmonious relationship in which the people or groups each other.

It is when the performers 'connect and communicate' with an audience and the audience are interested in and engaged with the performance.

Script: The written text of a play, film, or broadcast.

Stage Direction: an INSTRUCTION in italics and often found in brackets.

Monologue: a long speech by one actor in a play or film

Duologue: speaking roles for only two actors. Narration: Explaining the action in a play.

Teacher in role: Teacher playing a character.

Writing in role: Writing as a character.

Hot seating: a character or characters, played by the teacher or a student, interviewed by the rest of the group. Role on the wall: The outline of a body is drawn. Words or phrases describing the CHARACTER are then written directly onto the drawing or stuck on with post-its.

Drama

	Noughts and Crosses Knowledge Organiser	
ocabula	ocabulary and Definitions	
O) KE old	ology (OE- Old English, F-French, L- Latin, G- Germanic, AG – Ancient Greek, N - Norse	eek, N - Norse
и	The belief that different races possess distinct characteris-	1930s, the Nazi's decided ra
	tics, especially so as to distinguish them as inferior or supe-	a 'given unit of value'.
	rior to one another.	
lice	Opinion not based on reason or actual experience	L. prae: in advance judicum

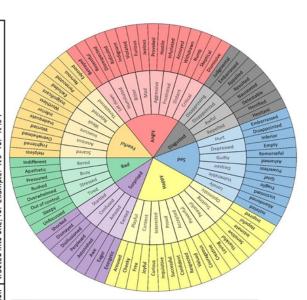
Etymology (G	Etymology (OE- Old English, F-French, L- Latin, G- Germanic, AG – Ancient Greek, N - Norse	eek, N - Norse
Racism	The belief that different races possess distinct characteris-	1930s, the Nazi's decided race was
	tics, especially so as to distinguish them as inferior or supe-	a 'given unit of value'.
	rior to one another.	
Prejudice	Opinion not based on reason or actual experience	L. prae: in advance judicum: judge-
		ment
Dystopia	A state or society in which there is great suffering or injus-	AG. Dis: bad, Utopia: heaven
	tice, typically one that is totalitarian or post-apocalyptic.	
Tragic	Causing or characterized by extreme distress or sorrow.	AG: Tragos: goat, Ode: song
Proto gue	Used to give readers extra information that advances the	AG: Pro: before, logos: saying
	plot	
Bias	Prejudice for or against one person or group, especially in a	AG: Epikarsios, oblique line
	way considered to be unfair	
Militia	A military force that engages in rebel or terrorist activities	L: milit: soldier
	in opposition to a regular army	
Liberation	The action of setting someone free from imprisonment,	L: Liberatio: freeing
	slavery, or oppression; release.	
Hypocrite	A person who pretends to have virtues, moral or religious	AG: Hupokrites: actor
	beliefs, principles, that he or she does not actually possess,	
	especially a person whose actions belie stated beliefs.	
Equality	The state of being equal, especially in status, rights, or op-	L: Aequalis: level
	portunities.	
Superior	Higher in rank, status, or quality.	L: Super, above
Inferior	villeur or status of states	wol straight.

Terminology		Roots and
Dual narra-	A dual narrative is a narrative that tells a story in two different perspectives,	Stems
tive	usually two different people. Dual narrative is also an effective technique that	
	can be used to tell the story of people (or one person) at two different points	Pre —before
	in time,	Dvs-bad
Euphemism	A mild or indirect word or expression substituted for one considered to be too	
	harsh or blunt when referring to something unpleasant or embarrassing.	Equ—equal
Simile	The comparison of one thing with another thing of a different kind, used to	
	make a description more vivid (e.g. as brave as a lion).	Themes
Metaphor	A thing regarded as representative or symbolic of something else.	Racism
Perspective	A particular attitude towards or way of regarding something; a point of view.	Terrorism
Foreshadow	Le a warning or indication of (a future event).	Justice
Tension	The feeling of anxiety or fear in a reader or character.	Heroes
Mood/	The feeling that a text or chapter has.	Forbidden
Atmosphere		love
Prota gonist	The leading character or one of the major characters in a play, film, novel, etc.	Tragic love

Noughts and Crosses	Noune	a word (other than a propoun) used to identify any of a class of peo-
ic the first in a cariac	2	מאסות למוכן מומון מילווסמון מסכת למוסמון מילומן מילומן מילומן
of novels about an al-		pte, places, or things (common noun), or to name a particular one of
ternative present,		these (proper noun)
where people of Afri-	Verbs	a word used to describe an action, state, or occurrence, and forming
can descent, rather than European are the		the main part of the predicate of a sentence, such as hear, become,
dominant race. White		happen.
people (known as	Adjectives	a word naming an attribute of a noun, such as sweet, red, or tech-
the slaves of black		nical.
people (known as	Adverbs	a word or phrase that expresses how the verb is being done.
"Crosses"). They are now free, but still	Syllables	A part of a word that contains a single vowel sound and that is pro-
heavily discriminated		nounced as a unit. So, for example, ' book' has one syllable, and '
against. Sephy, a		reading' has two syllables.
cross, and callum, a nought are best	Inflection	'Inflection' comes from the Latin 'inflectere', meaning 'to bend'.
friends, but the world		It is a process of word formation in which letters are added to the
seems determined to		base form of a noun, adjective or verb to show a different grammati-
reversing the racism		cal meaning. Inflections show grammatical categories such as tense,
seen in the real world,		person or number of.
Elackman is able to	Apostrophe	Apostrophes for possession: an apostrophe and the letter 's' are used
unfairness and absurdi-	for posses-	to show possession. The apostrophe is placed either before the 's' or
ty of judging people	sion	after the 's', depending on whether the subject is singular or plural.
by the colour of their skin.	Apostrophe	Apostrophes because of omission are used when two words are con-
	for omission	tracted into one, for example: "it's" for "it is".

Spellings:	Many words in English end in	either -ious or -eous and it can	be hard to know which ending	to choose. Most words that	have a 'sh' sound just before	the ending are spelt -ious.	
------------	------------------------------	----------------------------------	------------------------------	----------------------------	-------------------------------	-----------------------------	--

perstitious; notorious; glorious; religious; serious; envious; suanxious; delicious; rebellious; ambitious; previous; curious; conscious; various; hilarious; ferocious; obvious; studious; tedious; victorious.



English

Global pattern of air circulation

Atmospheric circulation is the large-scale movement of air by which heat is distributed on the surface of the Earth.

Largest cell which extends from the Equator to between 30° to 40° north & south.	Middle cell where air flows poleward between 60° & 70° latitude.	Smallest & weakness cell that occurs from the poles to the Ferrell cell.
Hadley cell	Ferrell cell	Polar cell



Management of Tropical Storms

strength of tropical storms. This may be due to an increase in ocean temperatures.

Scientist believe that global warming is having an impact on the frequency and

Changing pattern of Tropical Storms

Protection

Preparing for a tropical storm may involve construction projects that will improve protection.

whether the country has the resources cope The scale of the impacts depends on the with the storm. Development

Aid involves assisting after the storm, commonly in UDs.

Involves getting people and the emergency services ready to deal with the impacts. Planning

reaching people about what to do in a tropical storm. Education

Constant monitoring can help to give advanced warning of a tropical storm Prediction

Caused by cold

Caused by hot air rising.

and East Asia). They all occur in a band that lies roughly (North America), cyclones (India) and typhoons (Japan They are known by many names, including hurricanes

5-15' either side of the Equator.

Pressure

Low

Causes clear air sinking.

and calm

cloudy weather. Causes stormy,

weather.

High Pressure

Primary Effects of Tropical Storms

- The intense winds of tropical storms can destroy whole communities, buildings and communication networks.
- As well as their own destructive energy, the winds can generate abnormally high waves called storm surges.
- Sometimes the most destructive elements of a storm are these subsequent his and flooding they cause to coastal areas.

secondary Effects of Tropical Storms

- People are left homeless, which can cause distress, poverty and ill health due to lack of shelter.
- Shortage of clean water and lack of proper sanitation makes it easier for diseases to
- Businesses are damaged or destroyed causing employment. Shortage of food as crops are damaged.

ase Study: Typhoon Haiyan 201



Causes

With trade winds blowing in the opposite direction and the rotation of earth

pressure. This eventually turns into a thunderstorm. This causes air to be

7

sucked in from the trade winds.

Once the temperature is 27°, the rising warm moist air leads to a low causes warm, moist air to rise over the particular spots

involved (Coriolis effect), the thunderstorm will eventually start to spin.

m

The sun's rays heats large areas of ocean in the summer and autumn. This

Formation of Tropical Storms

When the storm begins to spin faster than 74mph, a tropical storm (such as

a hurricane) is officially born.

With the tropical storm growing in power, more cool air sinks in the centre

of the storm, creating calm, clear condition called the eye of the storm. When the tropical storm hits land, it loses its energy source (the warm

ocean) and it begins to lose strength. Eventually it will 'blow itself out'.

Started as a tropical depression on 2rd November 2013 and gained strength. Became a Category 5 "super typhoon" and made landfall on the Pacific islands of the Philippines.

Effects

- Almost 6,500 deaths.
- 130,000 homes destroyed.
- Water and sewage systems
- destroyed had caused diseases. Emotional grief for dead.

Enjoyment

Management

- The UN raised £190m in aid.
- USA & UK sent helicopter carrier ships deliver aid remote areas.
- Education on typhoon preparedness.

Geography

9

S

rraffic can also lead to health issues for Urban areas are busy places with many people travelling by different modes of transport. There is a greater risk of accidents and This has caused urban areas to experience different traffic congestion that can lead to congestion is a cause of frustration. **Fraffic Management Example: Bristol** Social Problems pedestrians. city aims to develop it's integrated invested in cycle routes and hiring congested city in the UK. Now the transport system to encourage more people to use the public In 2012 Bristol was the most transport. The city has also Traffic Management Congestion Solutions various problems. schemes. releases greenhouse gases that is leading work and business deliveries take longer. Widen roads to allow more traffic to flow Have public transport, cycle lanes & cycle Congestion can make people late for Encourage car-sharing schemes in work Having congestion charges discourages Traffic increases air pollution which This can cause companies to loose Build ring roads and bypasses to keep Introduce park and ride schemes to drivers from entering the busy city through traffic out of city centres. **Environmental problems** to climate change. Economic problems The investment in the revival of old, urban areas by either improving what is there or clearing it away and rebuilding. Urban Sustainability money. This is a zone of land surrounding a city where new building is strictly controlled to try to prevent cities reduce car use. hire schemes. growing too much and too fast. **Urban Regeneration** Greenbelt Area The use of sustainable energy such as solar and wind Sustainable urban living means being able to live in cities in ways that do not pollute the More recycling means fewer resources are used. Less waste reduces the amount that Using less fossil fuels can reduce the rate environment and using resources in ways that ensure future generations also can use 40% of the city is forested with many open spaces Promoting renewable energy sources. Making homes more energy efficient. Greater awareness of the benefits in The city's waste water allows for rainwater to be for recreation, clean air and reducing flood risk. Encouraging people to use energy. Collection of household waste. **Energy Conservation** More local recycling facilities. Waste Recycling Sustainable Strategies eventually goes to landfill. Sustainable Urban Living Example: Freiburg is becoming more important. of climate change. recycling. This is the linking of different forms of public and private Sustainable Urban Living Brownfield sites is an area of land or premises that has been previously used, but has subsequently become transport within a city and the surrounding area. retained Integrated Transport System Provide natural cooler areas for people Installing water meters and toilets that Creating green spaces in urban areas can Educating people on using less water. improve places for people who want to Collecting rainwater for gardens and **Brownfield Site** This is about reducing the amount of Reduces the risk of flooding from Encourages people to exercise. Creating Green Space Water Conservation Freiburg is in west Germany. the goal of focusing on social, economic and environmental The city has a population of about 220,000. In 1970 it set **Background & Location** sustainability. flush less water. flushing toilets. surface runoff. to relax in. water used. live there.

Geography

vacant, derelict or contaminated.

28th June 1919

most contentious of the requirements in the peace treaty

the loss and damage in the war. They had to make

mossive repoyments to other countries.

conflict between Germany and the Allied Powers. It was

peace treaties bringing to an end World War I, enaing signed in Versailles, but mostly negotiated in Paris. The was that Germany had to accept responsibility for all o

Event Image Descripti	n N	Entangling Alliances Allia	Assassination of Archdube Franz Franz Franz Fredinand Fr	July Crisis Russia (in poet with Serbic) deluce to mo cassainction, Austrior-Hungary, Russia (in poet with Serbic) deluced through the af August, clinic from the Allied and Central	To prevent enemy advances, brenched from the fractioned from the fraction of fractions. As a result, ground from flee 1914 until control from the 1914 until control from
			As of		
\$	Death Toll	approx. 2,500,000 4% of population in 1914	approx. 1,900,000 3.7% of population in 1914	approx. 3,000,000 14% of population in 1914	187,500 3.4% of population in 1914
CENTRAL POWERS	Date Joined	1 ^{1‡} Aug, 1914	28 th Jul, 1914	31st Oct, 1914	12th Oct, 1915
CEN	Country	GERMAN EMPIRE	AUSTRIA-HUNGARY	OTTOMAN EMPIRE C *	BULGARIA
	Death Toll	approx. 1,700,000 4.3% of population in 1914	approx. 900,000 2% of population in 1914	approx. 3,100,000 13,7% of population in 1914	117,466 0.13% of population in 1914
ALLIED POWERS	Date Joined	3'd Aug, 1914	4th Aug, 1914	1t Aug, 1914	6 th Apr, 1917
	Country	FRANCE	BRITISH EMPIRE	RUSSIA	USA

Key People

of the armed forces in 1913. This role brought him to Sarajevo in 1914, Hand secret society. Austria-Hungary's subsequent declaration of perpetrator was Gavrilo Princip, a member of the Serbian Blade where he was assassinated alongside his wife, Sophie. The begun his military career young (aged just 12). He rose Archdube Franz Ferdinand - (1863-1914) was who was the presumed heir to the Austro-Hungarian through the ranks quickly, becoming inspector genera throne. As was customary of Habsburg men, he had a high-ranking member of the Habsburg Dynasty,

History

years of war, America declared war on Germany on 6th April 1917, ofter Germany continued to attack neutral boats and ships. In early 1918, Wilson gave his outline of 14 points that he thought would bring losting peace. This influenced the eventual Treaty of Versalles. war on Serbia prompted a chain of events that led to World War Woodrow Wilson – (1856-1924) was the 28th and 1921. At the outbreak of World War I, in 1914, the US was neutral, but remained an important supplier to Great Britain and the Allies. However, after 2 ½ He received the 1919 Nobel Peace Prize for his efforts. President of the United States, serving between 1913

coupled with the perception of Nicholos' week leadership, led to the eventual execution. The Russians' catastrophic losses forced them to events of the Russian Revolution, Nicholas' abdication, and his eventually becoming a part of the communist Soviet Union leave the war effort before the end of the war, with Russia Tsar Nicholas II - (1868-1918) was the last Emperor world, to economic and military collapse. These factors, of Russia, ruling from 1894 until his forced abdication from being one of the foremost great powers of the on 2" March 1917. Throughout his regin, Russia fell

Kaiser Wilhelm II - (1859-1941) was the last

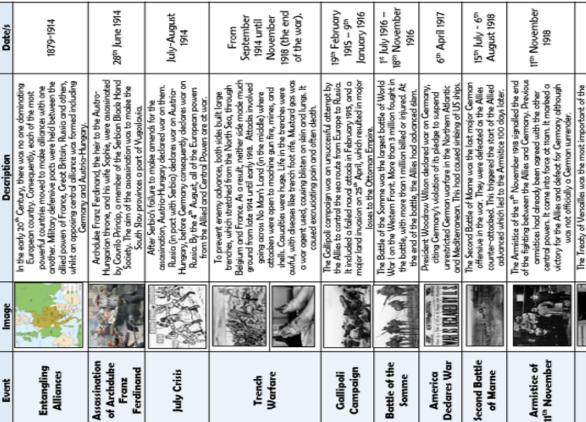
the crisis of July 1914 was a leading factor in the outbreak of World War I. Many sources suggest that he was not respected as a leader, and as a result, his two leading generals Paul von Hindenburg and during the war. He abdicated in 1918, and fled to the Netherlands Erich Ludendorff dictated most of German policy and strategy monarchs of Europe, including George V of the UK and Nicholas II of Russia. His support for Austria-Hungary in 1888 until 9th November 1918. Wilhelm was a grandchild German Emperor (Kaiser), reigning between 15" June of Queen Victoria, and was related to many of the David Lloyd George - (1863-1945) was the

military commander. Lloyd George also played an important role after the war, being one of the 'Big Three' (alongside the leaders of demands of Gemenceau and the more lenient requests of Wilson Germany. He represented the halfway point between the harsh France and the US) to negotiate the Treaty of Versailles with latter part of the war effort, and in the years following Prime Minister of the United Kingdom throughout the military strategy to work more cohesively under one the war. He was integral to reorganising the Allied

works of poets such as Rupert Brooke. He composed almost all of his Among the most famous are Duice et Decorum est and Anthem for Doomed Youth: He was killed one week before the end of the war. realism to public perceptions of war, in stark contrast to the earlier poetry in just over a year, from August 1917 to September 1918. Owen was a British poet and soldier. He was one of the mentor: Sigfried Sassoon. His poetry brought a sense of Wilfred Owen - (1893-1918) Wilfred Edward Salter most prominent World War I poets, detailing the horrors of trench warfare in a similar style to his

The Treaty of

Versailles







"Inspiring Education for AII"

Mathematics - Year 9

USEFUL WEBSITES:

In Maths you will receive a separate knowledge organiser.

Your knowledge organiser will help you to:

Know which MET* skills you should be learning

Track when you have learnt, revisited and revised a skill Suide your revision when it comes to assessments Identify any gaps where you have missed lessons

Maths Watch

Password:

My Login:

the skills you will master during your lessons and how each *The MET (Mathematics Expertise Tower) shows you all skill builds upon the last.

It is arranged into 4 topic areas:

Password:

My Login:

Probability	& Statistics
Geometry &	Measure
Algebra &	Graphs
Number &	Ratio

You can see the full MET in the Maths Corridor!

Maths Equipment you must have every lesson:

www.khanacademy.org

www.bbc.co.uk/bitesize

https://corbettmaths.com

Pen, pencil, rubber, ruler, prortactor,

compasses, scientific calculator

		Summer
Term 6	July	GCSE
Ten	June	Revision
	٩	Holf-Term
Term 5	May	GCSE Assessm nt 2
Teri		Assessment 2 Mid Firm
	April	
	Ì	Tetaba
	April	2
4	-1	ment
Term 4	March	ssess
Te		CSE A
_	Feb	Ğ
	Feb	Algebra Test
8	<u>"</u>	
Term 3	January	Ngebra
		Christmas
	nper	Shape Test
rm 2	Decen	and
em	per	asure
	ovemb	Seorr
	_	Holf-Term
	October	Number Test
erm 1	ő	pug
Terr	September	nber (Ratio
-	Septer	Z D
		0
		<u>_</u>
		ear
		×

Programme of study and assessment calendar

Maths

Television

Qu'est-ce que tu aimes/ n'aimes pas regarder à la télé?	What do you like/not like to watch on TV?
J'aime (bien/beaucoup)	I like (very much/a lot).
Je n'aime pas (du tout)/	l don't like (at all)/l
Je déteste	hate
les comédies	comedies
les dessins animés	cartoons
les documentaires	documentaries
les émissions musicales	music programmes
les émissions de sport	sports programmes
les émissions de télé-réalité	reality tv programmes
les jeux télévisés	game shows
les séries	series
Je les aime/adore/déteste.	I like/love/hate them.
Je ne les aime pas.	I don't like them.
Ça dépend.	It depends.
Je les trouve	I find them
amusant(e)s.	funny.
intéressant(e)s.	interesting.
divertissant(e)s.	entertaining.
enfantin(e)s.	childish.
ennuyeux/ennuyeuses.	boring.
éducatifs/éducatives.	educational.
nuls/nulles.	rubbish.
très/assez/un peu	very/quite/a bit

Music

Qu'est-ce que tu aimes	What sort of music do
comme musique?	you like?
J'aime/J'adore/Je déteste .	I like/love/hate
Ce quej'aime, c'est la	
musique folklorique.	What I like is folk music.
Ceque je n'aime pas,	What I don't like is
c'est le classique.	classical music.
Ça me fait	It makes me
danser/dormir/rêver.	dance/sleep/dream.
Ça me rend triste.	It makes me sad.
Ça me rend heureux/	It makes me happy.
heureuse.	
Ça me calme.	It calms me.
C'est	It is
déprimant/ennuyeux.	depressing/boring.
entraînant/vif.	lively.
gai/moderne.	happy/modern.
Original/rapide.	original/fast.

Cinema

Quel dernier film as-tu vu?	What was the last film
	you saw?
J'ai vu	l saw
un film d'action	an action film
un film d'arts martiaux	a martial arts film
un film comique	a comedy
un film d'horreur	a horror film
un film romantique	a romantic film
un film de science-fiction	a science-fiction film
un film à suspense	a thriller
un western	a western
au cinéma/en DVD	at the cinema/on DVD
en streaming	streamed (on the
	Internet)
à la télé	on TV
Je l'ai aimé/adoré/détesté.	I liked/loved/hated it.
Je ne l'ai pas aimé.	l didn't like it.
C'était	It was
Je (ne) le recommande	I (don't) recommend it.
(pas).	
	T (don't) recommend (

PHONICS

peut (eu) Silent t bu/vu/lu (short u sound) préfère v préféré (e) Sounds with accents (eh and ay) Past tense sounds ay dans

GRAMMAR

Negatives and word order= eg
ne...jamais around the verb
Il y a
On peut
Past tense of regular and irregular verbs
Comparatives using
plus/moins/aussi...que

MFL - French

On TV a talent show a documentary a music programme the news a quiz show a reality show a reality show a soap opera a soorts programme a cartoon I (don't) like watching My favourite programme is	New media, old media chatting on Skype television set mobile phone, telephone cassette recorder typewriter daily paper web page I listen to the radio on my MP3 player. I watch films on my computer.	I download video clips I download video clips I chat with friends on the internet. because it's fast/slow convenient cheap, expensive easy, complicated boring practical, impractical It costs nothing/a lot. in the mornings, at midday in the afternoons/evenings every day/evening/week
Im Fernsehen eine Castingshow eine Dokumentarserie eine Musiksendung die Nachrichten (plural) eine Quizsendung eine Realityshow eine Serfenoper eine Sportsendung eine Zeichentrickserie Ich sehe (nicht) gern Meine Lieblingssendung	Neue Medien, alte Medien das Chatten auf Skype der Fernseher das Handy, das Telefon der Kassettenrekorder die Schreibmaschine die Vebseite Ich höre Radio auf meinem MP3-Player. Ich sehe Filme auf meinem Computer.	lch lade Videoclips aus dem Internet herunter. Ich chatte mit Freunden im Internet. weil das schnell/langsam geht beguem billig, teuer einfach, kompliziert langweilig praktisch. unpraktisch Das kostet nichts/viel. morgens, mittags nachmittags, abends jeden Tag/Abend, jede Woche

off, manchmal, selten, nie	offen, sometimes, seldom,
Techno ist toll!	never Techno is areat!
	Security is great.
Welcher/Welche/ Welches gefällt dir	Which do you like
(am besten)?	(cook)
gefällt mir gut/gar nicht.	I like /don't like at all.
Ich höre am liebsten	I prefer listening to
Wie war der Film?	What was the film
	like?
Welchen Film hast du gesehen?	What film have you seen?
Ich habe gesehen.	/ saw
Was für ein Film ist/war das?	What kind of film is/was it?
ein Actionfilm	an action film
ein Dokumentarfilm	a documentary
ein Fantasyfilm	a fantasy film
eine Komödie	a comedy
ein Liebesfilm	a love story
ein Musical	a musical
ein Science-Fiction-Film	a science fiction film
ein Zeichentrickfilm	a cartoon
Dieser Film gefällt mir (nicht)	I (don't) like this film,
Dieser Film hat mir (nicht)	I liked/didn't like this
gefallen,	film
weil er lustig ist/war.	because it is/was funny.
weil die Spezialeffekte toll	because the special
sind/waren.	effects are/were great.
die Dialoge (plural)	dialogue/script
die Geschichte	story/plot
der Schauspieler/die	actor/actress
Schauspielerin	
romantisch	romantic
spannend	exciting
unterhaltsam	entertaining

Film Music Key Words		The Elements	
SOUNDTRACK	The music and sound recorded on a motion-	РІТСН	High or low
	picture film. The word can also mean a	DYNAMICS	Loud or soft
	commercial recording of a collection of	FORTE	Pnoq
OMITTOGO CICINA	music and songs from a film.	PIANO – soft	Soft
MICSIC SPOTTING	meets with the director and decides when	CRESCENDOS	Getting louder
	and where music and sound effects are to feature.	DECRESCENDOS/DIMINUENDOS	Getting softer
CUESHEET	A detailed listing of MUSICAL CUES	MAJOR	Happy sound
	matching the visual action of a film so that	MINOR	Sad sound
	composers can time their music accurately.	CONSONANT HARMONY	'Blending' chor
DIEGETIC FILM MUSIC	Music within the film for both the	DISSONANT HARMONY	'Clashing' chore
	characters and audience to hear e.g. a car	PEDAL NOTES	Long held note
	radio, a band in a nightclub or sound effects.	TEXTURE	How many laye
NON-DIEGETIC FILM MUSIC	Music which is put "over the top" of the	LEGATO	Slurred and sr
	and which the characters within a film can't	STACCATO - short and sharp	Short and sharp
	hear — also known as UNDERSCORE or INCIDENTAL MISSIC.	ACCENTS	A note with em
		OSTINATO	A short repeate
3 MM			

half note

rds 늉 es ers of sound-

mooth

ted melody

mphasis

How the Elements of Music are used in Films

PITCH AND MELODY – RISING MELODIES are often used for increasing tension, FALLING MELODIES for defeat.

DYNAMICS - FORTE (LOUD) dynamics to represent power; PIANO (SOFT) dynamics to represent weakness/calm/resolve. CRESCENDOS used for increasing threat, DURATION - LONG notes often used in Westerns/Sci-Fi to describe vast open spaces; SHORT notes often used to depict busy, chaotic or hectic scenes. PEDAL HARMONY – MAJOR – happy; MINOR – sad. CONSONANT HARMONY for "good" and DISSONANT HARMONY for "evil". triumph or proximity and DECRESCENDOS or DIMINUENDOS used for things going away.

TEXTURE – THIN/SPARE textures used for bleak or lonely scenes; THICK/FULL textures used for active scenes or battles. NOTES – long held notes in the BASS LINE used to create tension and suspense.

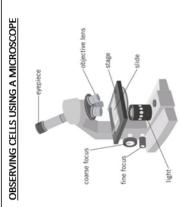
RHYTHM & METRE – 2/4 for Marches (battles), 3/4 for Waltzes, 4/4 for "Big Themes" in Westerns. IRREGULAR TIME SIGNATURES used for tension. OSTINATO ARTICULATION – LEGATO for flowing or happy scenes, STACCATO for 'frozen' or 'icy' wintery scenes. ACCENTS for violence or shock. rhythms for repeated sounds e.g. horses.

Music

KS3 PHYSICAL EDUCATION – KNOWLEDGE ORGANISER AUTUMN TERM ents will participate in at least 4 of the following activities this term. They are Rugby, Hockey, Basketball, Netball and Trampolining	6VMNASTICS: Trampolining	<u>Spotters:</u> stand around the trampoline and ensure that the person on the trampoline is safe at all times. A spotter will prevent the trampolinist from falling off the trampoline if they get too close to the sides or the ends.	Basic Jumps: tuck, pike and straddle Basic landing positions: Seat landing, Front landing and Back landing	Combinations: Seat to front, front to seat, seat \(\frac{1}{2}\) twist to feet, \(\frac{1}{2}\) twist to seat, front \(\frac{1}{2}\) twist to feet, \(\frac{1}{2}\) twist to front	Twists: Swivel hips, Back ½ twist to feet, ½ twist into back	<u>Advanced twists:</u> Roller, Cradle, Cat twist, Half turntable, Full turntable	Basic Somersaults: Mands and knees turnover to feet, back pullover to feet, Back pullover to front, Back to front landing, \frac{3}{4} front to back landing, Front somersault, Back somersault
KS3 PHYSICAL EDUCATION – KNOWLEDGE ORGANISER AUTUMN TERM All students will participate in at least 4 of the following activities this term. They are Rugby, Hockey, Basketball, Netball and Trampolining	INVASION GAMES: Rugby, Hockey, Netball and Basketball	<u>Invasion games:</u> Team games in which the purpose is to 'invade' the opposition's territory to score points whilst trying to make sure the other team does not score.	Receiving the ball: when you catch a ball or receive the ball with a stick Passing the ball: throwing a ball to your teammate or passing it with your stick to a teammate.	Spatial awareness: when you recognise your position in relation to your opponent and the ball/object you are playing with.	<u>Defending strategies:</u> defending a space or area to stop your opponents from scoring. Defending the goal or try line.	Attacking strategies: Creating space for yourself and your teammates. Moving into space to receive a pass.	<u>Tackling:</u> forcing your opponent to lose possession of the ball in order for you or your teammates to gain possession.

P.E

fear 9 – Biology Cells



- Move the stage to its lowest position.
- Select the objective lens with the lowest Place the object on the stage
- Look through the eye-piece and turn the coarse-focus knob slowly until you see magnification the object.
 - Turn the fine-focus knob until the object comes into focus.
 - magnification object lens to see the Repeat steps 1-5 with a higher object in greater detail.

TOTAL MAGNIFICATION

Eyepiecelens objectivelens magnification

UNI-CELLULAR AMOEBA

- Found in fresh water, salt water, wet soil, and Has no fixed shape
- They move by changing the shape of their body even inside animals!
 - surround the tiny particles of food and form a food vacuole (engulf). The vacuole digests the They eat algae, bacteria and plant cells. They food.

They have an eye spot which detects light and a

UNI-CELLULAR EUGLENA

Found in fresh water.

flagellum. The tail-like structure spins like a They contain chloroplasts (photosynthesis).

propeller, causing it to move towards the light

 They reproduce by binary fission (splits into two cells)











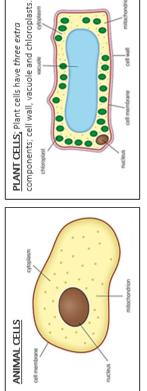
organisms (bacteria and algae) by surrounding and

They reproduce by binary fission

engulfing them)

When there isn't enough light, it eats micro-

(maximises amount of food it makes)



•

If a plant does not have enough water the vacuole shrinks. The cells become floppy and the plant wilts.

concentration until they are evenly spread out.

area of high concentration to an area of low

DIFFUSION: Movement of particles from an



SPECIALISED CELLS; These cells have specific structural adaptations.

concentration). Water travels from root hair

cells to other cells by diffusion.

Water molecules diffuse from the soil (high

DIFFUSION IN PLANTS

concentration) into the root hair cells (low

Nerve cell (neurone) → long and thin with connections at the end (to join to other nerve cells)



Sperm → Have a long tail and lots of surface area.

Respiration

mitochondria (movement towards the egg)

A cell whose shape and structure enable it to are converted into water and carbon dioxide,

Specialised

용

enabling energy transfer.



surface area to absorb water and nutrients Root hair cell → root hair creates a large from the soil

The cell component that contains liquid (cell

Living things made up of one cell.

Special features to help a cell carry out its

Male sex cell containing male genetic

information.

Spermoells

adaptations Uni-cellular

Structural

perform a particular function

sap), and can be used by plants to keep the

Vacuole

cell rigid (firm) and store substances

The plant cell component that absorbs light so gases spread out through random movement from a region where there are many particles and controls movement of substances in and Part of the cell where glucose is broken down An animal cell that transports oxygen around and strengthens it. In plant cells it is made of A chemical reaction where food and oxygen the plant can make food by photosynthesis. The cell component that surrounds the cell The cell component that surrounds the cell A measure of the number of particles in a The process by which particles in liquids or A tail-like structure that allows euglenas to objects, so small details can be seen clearly. during the process of respiration, enabling The cell component that contains genetic Jelly-like substance (in cells) where most The plant cells that contain chloroplasts, material (DNA), which controls the cells An optical instrument used to magnify Information gathered by your senses. An animal cell that transmits electrical Uni-cellular organism that performs where photosynthesis takes place DEFINITION to one where there are fewer chemical processes happen. impulses around the body. A uni-cellular organism. photosynthesis. energy transfer. activities. the body. cellulose Move. Red blood cells KEYWORD Concentration Mitochondria Observation Chloroplasts membrane Ragellum Microscope Nerve cells Cytoplasm Amoeba Euglena Leafcels Cellwa Diffusion Nucleus ਲ Red blood cell → contain haemoglobin – a red pigment which joins to oxygen. Diskshaped with no nucleus to increase its

Science