



	Name	
	Form	
St Cuthbert's		MORE THAN
Cathelie High School		





"A people without the knowledge of their past history, origin and culture is like a tree without roots."

Marcus Garvey

(research 10 facts about Marcus Garvey)

Year 9 Knowledge Organiser: Term 2B

Instructions for using your Knowledge Organiser

The timetable on the next page tells you which subjects you should be studying on which days (it doesn't matter if you have that subject on that day or not, you should follow the timetable).

You are to use your exercise book to show the work you have done. Each evening you should start a new page and put the date clearly at the top.

You need to bring your KO and exercise book with you EVERY DAY to school. Your KO and exercise book will be checked regularly in form time.

You will also be tested in your lessons on knowledge from the organisers.



You must use the revision strategy Look – Say – Cover – Write - Check to learn the knowledge. You can also use your KOs and book in a number of different ways but you **should not just copy** from the Knowledge Organiser into your book.

Presentation

You should take pride in how you present your work:

- Each page should be clearly dated at the top right hand side with the Subject written in the middle.
- Half way down the page a line should divide it in two with **Next Subject** written above the dividing line.
- Each half of the page should be neatly filled with evidence of self-testing. There should be an appropriate amount of work.
- Failure to show pride in your presentation or wasting space on your page with large writing or starting a number of lines down will result in a **negative AtL**.



Year 9 Knowledge Organiser Homework Timetable

You are expected to study the subjects shown on your timetable each day. You need to spend 20 minutes on each subject and you will need to evidence your work in your exercise book.

WEEK A	Subject 1	Subject 2	Subject 3
MONDAY	English	MFL	Geography
TUESDAY	Science	Maths	PD
WEDNESDAY	History	Music	Science
THURSDAY	RE	Maths	Food
FRIDAY	Computing	Technology	English

WEEK B	Subject 1	Subject 2	Subject 3
MONDAY	English	Drama	Geography
TUESDAY	Science	Maths	RE
WEDNESDAY	History	PE	Science
THURSDAY	RE	Maths	MFL
FRIDAY	Computing	Art	English



Reading Log

"The more that you read, the more things you will know. The more that you learn, the more places you'll go"

Use this reading log to record the books you read and how long you have spent reading.

Dr Seuss

Week	MON	TUE	WED	THURS	FRI	SAT	SUN	Book(s) read (title and author)	Time spent reading	Parent comment/signature
Week 1										
Week 2										
Week 3										
Week 4										
Week 5										
Week 6										



Year 9 English - Term 2B: Non-Fiction - Crime

Non-Fiction: A type of writing that is factual and informative instead of make belief.

ideas placed side by side

What is crime? an action or omission which constitutes an offence and is punishable by law.



	Language Subject Terminology				
		Word Classes			
Non- Fiction Features:	Noun	Identifies a person (girl), thing (wall), idea (luckiness) or state (anger).			
support what you're saying	Verb	Describes an action (jump), event (happen), situation (be) or change (evolve).			
Repetition - saving something	Adjective	Describes a noun (happy girl, grey wall).			
more then ence to add	Adverb	Gives information about a verb (jump quickly),			
more than once to add		adjective (very pretty) or adverb (very quickly).			
emphasis		Sentence Structures			
Anecdote — a real life example	Fragment	An incomplete sentence (no subject verb			
Anecdote – a real me example		agreement). "Nothing." "Silence everywhere."			
	Simple	A sentence with one independent clause.			
Emotive Language – language		"She went to the shop."			
used to appeal to someone's	Compound	A sentence with multiple independent clauses.			
emotions		"She went to the shop and bought a banana"			
	Complex	A sentence with one independent clause and			
Power of 3 – three powerful		at least one dependent clause. "Sometimes,			
words or phrases put together		when she goes to the shop, she likes to buy a			
for emphasis		banana."			
	-				
Oxymoron – two opposite					



Year 9 English - Term 2B: Non-Fiction - Crime





Year 9 Maths – Term 2B



St Cuthbert's Catholic High School

Live life in all its fullness



Interior Angles

105



Year 9 Maths – Term 2B

Translation

A translation is a movement of a shape.

It can be given as a description or as a column vector



What movements would these column vectors want you to do?

 $\mathbf{a}. \binom{0}{4} \, \mathbf{b}. \, \binom{-1}{3} \, \mathbf{c}. \, \binom{2}{-4} \, \mathbf{d}. \, \binom{-3}{-1}$

Pythagoras' Theorem

Pythagoras' Theorem states that the square of the hypotenuse of a rightangled triangle is equal in area to the sum of the squares on the other two sides. Using this, we can find a missing side, as long as we know the other two sides, and that the Triangle is a right angled Triangle



The measurements shown in the diagram above, make a Pythagorean triple, as they work using Pythagoras' Theorem, for a right angled Triangle.

Another Pythagorean Triple is 5cm, 12cm, and 13cm.



Year 9 Science - Term 2 B: Skills

New Symbol	Meaning	Hazards symbols warn about the dang			dangers o	ngers of	
	Poisonous Can cause death if swallowed, breathed in or absorbed by skin	a substance. Risk is the chance that a hazard will cause harm. Risk assessments describe how to reduce the risk of harm when carrying out an experiment.					
	Corrosive	, , , , , , , , , , , , , , , , , , , ,					
	tissues, such as skin and eyes.		Quantity	Unit	Symbol		
Å	Oxidising		Length	meter	m		
<2>	Provides oxygen to make other		Mass	kilogram	kg		
	substances our million e mer cety		Time	second	s		
	Radiation Damaging to living tissue, possibly causing DNA damage and mutations.		Electric current	ampere	A		
	Highly flammable Catches fire easily.		Temperature	kelvin	к	-	
× ^	Biohazard		Quantity of substance	mole	mol	-	
	Biological substances that pose a threat to human health.		Scientists often make	measure	ments wh	er	

hov car	how to reduce the risk of harm when carrying out an experiment.			
	Quantity	Unit	Symbol	
	Length	meter	m	
	Mass	kilogram	kg	
	Time	second	s	
	Electric current	ampere	A	
	Temperature	kelvin	к	
	Quantity of substance	mole	mol	

Scientists often make measurements when carrying out experiments. SI Units are units of measurement that are used by scientists all over the world.



	Key Words
Hazard	Something which can cause harm to someone or damage to something.
Random Error	Errors that are made by the person carrying out the experiment e.g. measuring or timing incorrectly.
Systematic Error	Errors caused by faulty equipment e.g. equipment not starting at zero.
Accurate	A measurement that is close to its true value. It can be improved by repeating the measurement.
Precise	The closeness of two or more values to each other.
Mean	The average of a set of numbers. Add up all the numbers and divide by how many numbers there are.
Median	The middle number when the numbers are arranged in order from lowest to highest.
Mode	The number that appears the most often in a set of numbers.
Range	The difference between the lowest and highest numbers in a set of data.



Year 9 Science – Term 2B: Skills

Key Words

<u>Continuous Data</u>: The value could be any number, It is a value that you **measure** such as height, weight, time.

<u>Discrete/Discontinuous Data:</u> A value with a limited number of values. It is often a value that you **count** such as the number of people with a certain eye colour or blood group.



	Anomaly	A result that does not fit in with the rest of the results. It should be removed before calculating an average.
	Hypothesis	A prediction about what will happen in an experiment supported by evidence.
J	Analysis	Looking at the data from the experiment for patterns or trends.
-	Evaluation	Looking at results to see if; your data is of high quality, it matches your hypothesis and it is accurate.
	Repeatable	Measurements are very similar when repeated by the same person or group, using the same equipment and method.
	Reproducible	Measurements are very similar when repeated by a different person or group using different equipment and/or methods.

Variable	Definition
Independent Variable	The variable that is changed during the experiment.
Dependent Variable	The variable that is measured during the experiment.
Control Variable	The thing(s) that are kept the same each time the experiment is carried out.



Year 9 Religious Education – Term 2B:
Medical Ethics - how would a Catholic respond to the big
decisions about beginning and ending a human life?

Big Questions:

- Is human life special?
- Is it ever right to end a human life?
- Are some human lives more important than others?
- Do medical advances mean we are 'playing God'? and is that OK?
- How can we decide what the right thing to do is?
- Why do different Christin denominations believe different things about what is 'right'?
- What if.... different moral authorities are telling us different things?

SECTION 1; We have been looking at sources of moral authority for Catholics; the Bible, the teaching and example of Jesus, the authority of the Church, our conscience. We are now going to apply these sources of authority to real life dilemmas and issues and explore how a Catholic might respond to them.





authority of the

Catholic Church

Apostolic succession - Catholics believe Jesus passed authority to his apostle Peter and it has been passed on to every Pope since

SECTION 2;

All Christians believe that human life is special. This is called 'The sanctity of life'. They believe human life is sacred because we were created by God, for a purpose, out of love. God does not make mistakes! every single human is perfect and precious because God has made the. This impacts Christian beliefs about issues to do with life and death. These issues are called 'medical ethics.

We will explore how Catholics, and other Christian denominations might respond or have responded to issues of medical ethics, such as;

The separating of conjoined twins

sacred because it is created by God

Genetic engineering

To be at peace with others

Animal testing

material

that is on it

Key words and

definitions

Section 1

Key word

Sanctity of life

Reconciliation

Magisterium

Laudato Si

yellow book

Feb 26th

March 4th

Genetic engineering

Complete the learning homework

for each week; work in your

And also the issues surrounding war, peace and reconciliation

Christian belief that all human life is special or

the attempt to change an organism, or certain

The teaching authority of the catholic Church

'care for our common home' - an encyclical from

March 11th

March 18th

March 25th

Pope Francis about caring for the planet and all life

Section 2 and

SOWAA 1 & 2

SOWAA 7 & 8

SOWAA 3, 4, 5, 6

aspects of the organism, by working with its genetic

definition

Sources of Wisdom and Authority (SOWAA)

(1) 'So God created mankind in his own image' Genesis 1:27

(2) 'Then the LORD God formed a man from the dust of the ground and breathed into his nostrils the breath of life, and the man became a living being." Genesis 2:7



(3). 'before I formed you in the womb I knew you' Jeremiah 1:5

(4) 'Human life must be respected and protected absolutely from the moment of conception. Catechism

(5) "Defend the rights of the poor and orphans; be fair to the needy and helpless. Rescue them from the power of evil men." Psalm 82

(6) "Love your enemies and pray for those who persecute you " Jesus, preaching the Sermon on the Mount, Matthew 5:44



(7) "I have been particularly concerned that a precedent might be set in English law that could allow an innocent person to be killed, or lethally assaulted, to prolong the life of another."

Former Archbishop of Westminster, Cormac Murphy O'Connor, reacting to the 'Jodie and Mary' conjoined twins ruling

(8) The Catechism of the Catholic Church teaches that experimentation on animals is morally acceptable only "if it remains within reasonable limits [and] contributes to caring for or saving human lives". Pope Francis in Laudato Si





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Year 9 Geography – Term 2B: How can conflict affect Geography?

Political boundaries

Population

Development

Health

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Ways conflict can influence Human Geography:

Key words:

Conflict: A state of opposition between persons or ideas or interests
War: A state of armed conflict between different countries or different groups within a country.
Civil War: A war between people of the same country.
Coup d'état: A group of people who

Child soldier: A person below 18 years of age who is, or who has been, recruited or used by an armed force or armed group in any capacity.

Factors which can influence the effects of conflict:

- Time
- Money
- Development
- Knowledge
- LocationPast
- Population

Causes of conflict:

- Religion
- Resources (eg oil)
- Money
- Politics
- Past feuds
- Land

	 Ways conflict can influence Physical Geography Environment Weather and climate
1,	

civil war by these rebel groups.

	1 -1
© 2009 www.outline-world-map.com	الله من المراجع ال مراجع المراجع ال
	Figure 1: Opium
Blood diamonds	250,000
From areas controlled by rebel groups rather	225,000
than governments.	200.000
Sold to raise money to buy weapons or fund	175,000

De	evelopment Indicators				
Life expectancy	The average age a person in the country lives to.				
Death rate	The amount of people who have died per 1,000 of the population.				
Birth rate	The amount of people born per 1,000 of the population.				
Literacy rate	The % of the population who can read and write.				
Gross National Income (GNI)	The average income of a person in the country.				
Access to safe water	The % of the population who has access to clean safe water.				
Doctors per 1,000	The number of doctors per 1,000 of the population.				
Infant mortality rate	The number of babies who died before their 5 th birthday per 1,000 people.				
um cultivation in Afghanis	stan, 1994-2014 (Hectares)				

Heroin Trail

Opium is a highly addictive narcotic drug acquired in the dried form from the opium poppy (Papaver somniferum) seed pod. Traditionally the un ripened pod is slit open and the sap seeps out and dries on the outer surface of the pod. This sap is then sold and turned into pure opium, which is sold on the black market. Since 1978, opium (the base for Heroin) production has soared in Afghanistan, will a considerable amount of produced being transported to the UK.

Afghanistan as a Narco-state?

Introduction: opium cultivation was introduced into the region in 1978, with the beginning of the soviet occupation of Afghanistan. For a country with limited arable land and access to irrigation, the production of opium – which fetches far higher prices than wheat, fruit, and other agriculture products - has proven to be advantageous to cultivate and profitable for the country. Unlike other agricultural products, the opium is easily stored and transported, and has a high demand pull on the international market. It is often purchased from producers in advance by narcotics traders, which provides a system of credit for the farming communities as well as reliable insurance against poverty and hunger. The production and trade of opium remained effectively legal until 2002, enabling the development of a thriving market to become firmly established and to grow virtually unchecked. Afghanistan has become the source country for approximately 90% of the world's opium, producing as much as 4,500 metric tons each year. Today, the opium production industry of Afghanistan nets at least \$3 billion annually.





150,000

125,000

100.000

75,000

50,000

25,000

Year 9 History – Term 2B: The Cold War

Capitalism	L	Communism	Cold War		
-Countries such as America, Britain and Western Europe -Free elections take place and the people select	-Countries (United So -Elections	-Countries such as Russia and the former USSR (United Soviet State of Russia) -Elections take place but you can only select a			
their leader from a choice of political parties -People have the right to keep the money which they earn	-All busine	t leader esses are owned by the government and all paid out equally	Tyranny		
-Businesses are privately owned -There is freedom of press -There are class distinctions – upper and lower	wages are paid out equally -Countries are often tightly controlled, the Stasi were the secret police within the Soviet Union and they had the power to arrest without trial -Classless society		Communism		
The Truman Doctrine - 12 th March 1947 The Truman Doctrine was an American foreign policy On June 24, 1948, the Soviet Union placed a					
created with the aim of countering Soviet geopolitical expansion. Announced to congress by	ade around West Berlin, a major city in 3	Conflict			
communist totalitarian regimes represented a significant threat to international peace. As a result	all powers. This meant that the Soviet Union blocked all the roads, trains, and waterways into that part of the city. Those in West Berlin could not get food or fuel.		Containment		
American support would be provided to countries threatened by Soviet communism.			Alliances		
The Vietnam War - 1 st November 1955 - 30 th Ap	pril 1975	The Space Race 5	Empire		
Vietnam was split - the North (backed Soviet Union) and South (backed by USA) engaged in a war lasting over 19 The race had origins in the nuclear arms					
years. It also developed the Laotian and Cambodian of Wars, and resulted in all 3 states becoming Communi an extremely deadly war, with around 2 million innoc civilians believed to have perished.	civii hist. It was cent 4	race, in that successes demonstrated technological strength. USSR completed the first manned spaceflight, whilst USA were the first to send man to the moon.	Soviet Union		

Key words	Definition
Cold War	The Cold War was a long period of tension between the democracies of the Western World and the communist countries of Eastern Europe.
Ideologies	A collection of ideas or beliefs shared by a group of people.
Tyranny	An act or the pattern of harsh, cruel, and unfair control over other people.
Communism	Communism is a type of government as well as an economic system. In a Communist system, individual people do not own land, factories, or machinery. Instead, the government or the whole community owns these things.
Capitalism	Capitalism is an economic system based on the private ownership of businesses, and their operation for profit.
Conflict	A conflict is a serious disagreement between individuals, groups of people or countries.
Containment	The act of containing; keeping something from spreading. In this context, containing the spread of Communism.
Alliances	A strong attachment to a particular country, or nation. It is also called patriotism.
Empire	A group of nations or peoples under one ruler or government.
Imperialism	A relationship in which people, groups, or countries agree to work together.
Soviet Union	a powerful group of Communist republics (= countries without a king or queen) including Russia, Belarus, Ukraine, Georgia, and 11 others that existed in Europe and Asia from 1922 to 1991

The Cuban Missile Crisis 16th - 28th October 1962

The missile crisis was a 13-day confrontation between the USA and the USSR. The USA initiated ballistic missile deployment in Italy and Turkey, whilst the USSR deployed missiles in Cuba. It is often considered the point at which the Cold War came closest to all-out nuclear war. After tense negotiations, missiles were dismantled.



6

Year 9 PD - Term 2B: Online Safety

Useful websites for you and your parents: <u>http://www.safetynetkids.org.uk/</u> <u>https://www.childnet.com/</u> <u>https://www.thinkuknow.co.uk/</u> <u>https://www.saferinternet.org.uk/</u>

https://www.nspcc.org.uk/keeping-children-safe/online-safety/

Online Gaming:

There's a game out there for everyone. Some might prefer sporting games like FIFA and NBA. Others play adventure games such as Fortnite and Minecraft. Video games are arguably better than ever - because almost all of them allow you to play online with friends.

Did you know that there are over 2 billion gamers across the world? (<u>Newzoo, Global Games Market</u> <u>Report, 2018</u>). And these gamers aren't just wasting their time - the benefits of gaming include improvement of coordination, problem-solving skills and brain speed to name a few.

Gaming is more fun when people...

Treat others with respect Play fairly and within the rules of the game Keep personal information private Make sure that content they're sharing is not racially, religiously or sexually offensive.

Chatting to other gamers can make it more fun too. It's likely that you'll chat to people that you've never met in real life. They might make you laugh, or give you great gaming tips. And it can feel like you know them well, especially if you voice chat with them through an app like Discord. But remember - it's easy for people to lie online, and some gamers might put pressure on you to do things you're not comfortable with.

www.thinkuknow.co.ul



Visit these sites for support: <u>www.childline.org.uk</u> www.ceop.police.uk/safety-centre



What is E-Safety?

It's the safe use of digital technologies like your phones, gaming and other devices which connect you to the outside world.

Dealing with pressure online

Saying no

The people we talk to online can try to convince us to do things, even when we have said no. This might be one person you're chatting to online, or it could be lots of people. A tactic we see used in live streaming is encouraging young people to take part in dares, or offering them online gifts or 'game points' in exchange for doing something on video. Their requests can feel uncomfortable, such as asking you to chat one-to-one, asking for your personal information, or asking you to do sexual things such as taking your clothes off. If someone is asking you to do things online that don't feel right, stop and tell someone.

What does pressure look like online?

It can be difficult to spot manipulative behaviour in others, and it might not always be obvious when someone is putting you under pressure online. It might be lots of compliments and flattery, promising online gifts or coins, the promise of more followers, or bombarding you with lots of comments. This can make people feel like they need to do what they are being asked, even if they don't want to. Alternatively it might be something more obvious, such as someone saying that bad things will happen to you if you don't do what they're asking. These are all elements of pressure and blackmail and this is wrong.

www.thinkuknow.co.uk

Year 9 Art - Term 2B: Artist Focus - Still Life

Still life is one of the principal genres (subject types) of Western Art and the subject matter of a still life painting or sculpture is normally anything that does not move or is dead.

Still life (plural: *still* lifes) is a work of art depicting mostly inanimate subject matter, typically commonplace objects which are either natural (food, flowers, dead animals, plants, rocks, shells, etc.) or man-made (drinking glasses, books, vases, jewellery, coins, pipes, etc).



Still Life has been a theme for Art throughout history. Roman mosaics used still life themes to decorate their buildings. Van Gogh explored his painting and colour techniques by producing numerous versions of sunflowers. Patrick Caulfield produced simplistic still life screen prints and paintings using simple flat colours and bold line.

Key Words and Specialist Vocabulary:

Representation: The description or portrayal of someone or something in a particular way.

Study: A detailed investigation and analysis of a subject or situation.



Morandi was an Italian painter and printmaker who specialized in still life. His paintings are noted for their tonal subtlety in depicting apparently simple subjects, and items that he readily had in his studio.

He repeatedly **painted** the same selection of familiar items, including bottles, bowls, pots and boxes. In his **paintings**, they lose their domestic purpose, to become sculptural objects that invite meditation and contemplation.

Through the repetitive process of reproducing these simple objects he was able to explore a variety of colour palettes, techniques, compositions, forms and perspectives



Why do Still Life?

Groups of objects have long been a favourite subject for artists and it is an excellent way to improve your observational skills through the study of your selected objects.

Produce your own still life group and see how many ways that you can reproduce them exploring different materials, lines, colours . See how realistic you can make your representation . Take photographs of your objects so you can explore more viewpoints or try and use the influence from another artist like Van Gogh or Caulfield.





Year 9 Computing - Term 2B: Web Design

You will need to identify the different website design principles and why these are important when designing websites.

You will need to understand analyse the websites based on:

Tick either Yes or No for each of these questions: is the background colour consistent on each page' Are the images clear and not distorted? Is the test clear and easy to read? Is the text all the same font and size? Is the site easy to navigate? Is the layout of each page the same?

Key Questions

Which website is the best? Why is this website better? Why is it important that the website is clear? Who are these websites aimed at?

What is the World Wide Web?

The internet is a global network of computers. The World Wide Web is the part of the internet that can be accessed through websites. Websites consist of webpages which allow you to see information.

Websites are accessed using a web browser. A browser is a program designed to display the information held on a website. Every website has an address at which it can be found, a bit like a house address.

Company, could be anywhere in the world. US compa-.com nies use this. Non-US company .CO School .sch Government .gov .edu University University or other academic institution, such as muse-.ac ums, art galleries etc. Organisation - charities and non-profit organisations .org often use this Network - but used very generally .net Personal .me

You will learn how to see if a website is trustworthy. Is the information out of date, is it fictional, is it from an unreliable source, does it have basic errors in it?



Considering your audience

Define your audience clearly - For example, young or old! What is the purpose of your website?

To entertain or to inform?

SCREENSHOT

INFORMATION

ANNOTATE

How will this affect your design?

TRUSTWORTHY

CSS (Cascading Style Sheets)

HTML defines the structure and content of your web page

CSS defines the style and layout of web pages

CSS can be used to change the style of a whole website, one web page or a single occurrence of an element, e.g.

SOURCE



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HTTP DOMAIN WWW

NAME

DOMAIN DOMAIN TYPE CROP

DOCTOR

RELIABILITY

Year 9 Design and Technology - Term 2B: Cam Toy

 $cm \times 10 = mm$

Right Angles = 90°

90°

•

.

Tech Health and Safety Definition Key vocabulary Wear an APRON at ALL times. This is a form of 3D drawing, which is set out using 30-degree angles. Isometric drawing ALWAYS follow instructions and rules. Is the stored energy possessed by a system. Linkage Do not take shortcuts. Scan the QR codes to watch a video about Lever Plastic can be heated and shaped many times. Ask for help if you need it. When using machinery Mechanisms in life and industry. Equilibrium High-density polyethylene, a thermoplastic. ALWAYS wear EYE PROTECTION & Plastic that can not be reheated or remoulded. Driver **Product Analysis.** MACHINE GUARDS. A product analysis is where we Do not TOUCH machines or Mechanism Anything that can cause harm or danger. look at a product in greater detail equipment unless you have Kinetic energy Is the force which is faced by the vehicle as it moves through the air. permission. and break it down to help us NEVER run in the Revolution Is the push that lets something move up. understand certain aspects of the workshop. product to help further generate Scan the QR codes to watch a The difference between the maximum and minimum dimensions of error. Tolerance video about health and safety. design ideas. Marking Out Measure in mm and mark using a pencil and steel ruler for accuracy. Aesthetics: What does it look like? Client: Who is it for? Environment: How does it impact? Safety: How safe is it? 3rd Order 2nd Order 1st Order Size: How big is it? Driven gear Measurina Function: What is it used for? Drive gear Materials are measured in different ways depending if they are small or large quantities. Here are some of our most used measurements and Material: What is it made from? their abbreviation. Centimetres (cm) Millimetres (mm) $-\mathsf{MA} = \frac{\mathsf{Load}}{\mathsf{Effort}} = \frac{300\mathsf{N}}{100\mathsf{N}} = \frac{3}{1}$ Angles are measured in Degrees, 90° Design specification: is what your product must have in order to meet the clients Most used measurements needs. St Cuthbert's Catholic High School Centimetre = 10mm live life in all its fullness

Design brief: outlines what you are going to make.

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Mechanisms in life and industry

Year 9 Drama – Term 2B: study of text and cultural context

Key terminology	Definition
Context	The background of a play-the social, historical and cultural events which surround it and help us understand it
Atmosphere	The mood and feeling created on stage for the audience
Performance skills	The vocal and physical acting skills we would use to convey a certain character, line or emotion
Interaction	How actors act and respond to others.
Interpretation	Our understanding of a character inferred from the play
Motivation	Is the reason a character does or says something. Connected with what they want.
Subtext	Is the deeper meaning behind lines. What is being implied rather than what is said
Cross cutting	Means to cut from one scene to another on stage
Spotlight	A tightly focused beam of light used to light small areas of the stage
Cyclorama	A screen at the back of the stage which can be lit or projected onto
Flats	Scenery that can be painted to represent any location
Rostra	A platform to raise an actor up. Can be built on to create different levels
Revolve	Stage that can move in a circle to reveal different scenes



Year 9 Food – Term 2B: Food safety/hygiene and carbohydrates

<u>Food hygiene and safety</u> FATTOM is a mnemonic device that is used to describe the six aspects that contribute to the growth of foodborne pathogens.

Food - Microorganisms need a constant source of nutrients to survive. Moist, protein-rich food are potentially hazardous (meat, seafood, eggs, dairy, cooked rice). Acidity - Bacteria grow best in a slightly acidic environment (pH 4.6 - 7.5). Time - Food should not be in the temperature danger zone for more than two hours.

Temperature - Bacteria grow best between $5^{\circ}C$ to $63^{\circ}C$ the 'temperature danger zone'. **Oxygen** - Almost all foodborne pathogens are aerobic, that is, requiring oxygen to survive and grow.

Moisture - Water is essential to bacterial growth. Microorganisms grow faster in foods that are moist and not dry (meat, dairy)

Scan the QR codes to watch a video about food safety and complete your homework quiz.







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SCAN FOR QUIZ

Key vocabulary	Definition
Aeration	Air is trapped in a mixture. Fat and sugar creamed together traps air.
Amino acids	The basic components of proteins, each has a specific function in the body.
Blind baking	Baking a pastry case without the filling to ensure it is properly baked.
Carbohydrate	A macronutrient that supplies energy and essential dietary fibre.
Fat	A macronutrient which supplies a concentrated source of energy (1g = 9kcals)
Obesity	Being very overweight. A body mass index of over 30 is classed as obese.
Protein	A macronutrient made up of building blocks called amino acids.
Roux	A mixture of melted fat and flour, which is used as a base of a sauce
Shortening	When fats give biscuits, shortbread and pastry a crumbly texture.
Symptom	Sign of an illness, e.g., food poisoning symptoms of diarrhoea/vomiting/nausea

SCAN FOR QUIZ

<u>Cooking term - Gelatinisation</u>

SCAN TO WATCH

Starch has a very useful property which is to thicken mixtures.

The process in which moist heat is applied to starch grains, which swell, increase in size and then break open. This releases amylose which thickens the mixture around boiling point. Stirring is needed to prevent lumps forming. Starches can be made to make sauces, custards, gravies, batters and glazes.



<u>Carbohydrates</u>

Exist in many forms; they can be divided into three groups: sugars, starches and dietary fibre. Sugars are the simplest form of carbohydrate, starches and dietary fibre are more complex.

Examples of starchy carbohydrates are below.

Scan the QR code to watch a video about this section of the Eatwell guide.



<u>Cooking term</u> - Baking blind A pastry base is baked prior to the filling being added.

- Pastry is rolled out.
- The baking tin is lined with pastry.
- Baking parchment placed on top

for the baking beans to sit on.

Even layer of baking beans added

to prevent the pastry rising. Pastry is baked to seal before adding the filling.





Baking beans are ceramic so get very hot. Baking blind prevents a soggy base.



Year 9 Music – Term 2B: Music Technology



Key Informati	on	Why it is Important	History	Composition
Digital music technology encor	npasses digital	Almost every aspect of music creation is now	'Analogue' music technologies such as tape	Music technology is not just useful for studios and professionals,
instruments, computers, electr	ronic effects	reliant on music technology whether it be:	recorders, analogue synthersizers and	but it has opened up a world of possibilities for amateur and
units, software, or digital audio	o equipment		audio effects have been used since the 50s.	hobbyist musicians too. A whole generation of 'bedroom'
by a performer, composer, sou	ind engineer,	- Composition		producers emerged in the 2000s, some of them (such as Avicii)
DJ, or record producer to prod	uce, perform	- Production	In the 1960s, bands such as The Beatles	gaining success in the music industry.
or record music. The term refe	ers to	- Recording	began to experiment with this equipment,	
electronic devices, instruments	s, computer	- Editing	becoming reliant on it to achieve their	Technologies such as DAWs, virtual instruments and more
hardware, and software used i	n	- Performance	desired sound.	powerful computers has meant that no longer is a fully-fledged
performance, playback, record	ling,	- Distribution		recording studio needed for producing a record. Almost
composition, mixing, analysis,	and editing of	- Consumption	Now, multitrack recording and effects are	everything (including instruments!) can be contained inside a
music.			commonplace in every studio.	computer, in a piece of software called a Digital Audio
			. ,	Workstation (DAW).
		Key Words		How to use bandlab
DAW	Multitra	ck San	nple Rate	
Effects	Edit	Rev	verb	i a 12263 a 1
Processors	Audio In	iterface Del	ау	
Digital	Plug-In	EQ	(Equalisation)	**** ******
Analogue	Virtual I	nstrument Cor	npression	
Synthesizer	MIDI	Mix	ting	2223320
Samples	Bit-Dept	h Ma	ster Bus	
	•			
				Land Linkings Fif

	м		D	т	S	н	I.	R	т
	melody	articulation	dynamics	texture	structure	harmony	instruments	rhythm	tempo
_	the tune	how notes are played	loud / soft and any other volume changes	layers of sound and how they fit together	sections of music and how they are organised	chords used	types of instruments heard	the pattern of notes	the speed



Year 9 Physical Education – Term 2B: Methods of Training

Method	Description	Advantage	Disadvantage
Continuous (Recap Y8)	A minimum of 20 minutes sub-maximal work. Target heart rate range between 60% - 80% maximum heart rate (max HR).	Can be done with very simplistic activities like running, swimming etc. Minimum cost.	Can be very tedious. Over-training the same muscles can increase risk of injury.
Interval (Recap Y8)	Periods of intense work interspersed with timed rest. A wide variety of fitness types can be developed. Structured in reps and sets.	Intensity is measured by % max HR. Therefore, training very personalised to the athlete.	Maximal nature of intervals can be too challenging for some participants.
Circuit (Recap Y8)	This develops muscular endurance, strength and/or cardiovascular fitness. An interval form of training. Stations are set out that train one or more components of fitness.	Circuits can be designed so that they are sport-specific.	As circuits can be adapted to suit many sports, sometimes can lose focus on key areas to improve.
Fartlek	A continuous form of training. Changes in speed, incline and terrain are used to provide changes in exercise intensity.	Aerobic and anaerobic work can be done in the quantities that suit the performer.	Some urban areas have little variety of incline and terrain
Plyometric	High intensity exercise involving explosive movements. The muscle is lengthened and then rapidly shortened to develop the explosive capability of the muscle.	Very useful for developing power.	Can cause injury if athlete is not in excellent condition.
Weight	Intensity is measured in a percentage of the most weight a person can lift one time and is known as % 1 REP MAX. Time is structured in reps and sets with specific timings for recovery.	Huge range of possible lifts combining machines, free weights and body weight exercises.	many performers use poor technique while striving for an even heavier weight.



Year 9 Spanish – Term 2B: Free time

to play (a ball sport)		jug	ar al (the e	I needs to conti	ract to al)		
football	el fútbol		badminton		el bádminton		2
hockey	el hocke	y.	tennis		el tenis		D
basketball	el balon	cesto	volleybal	I	el voleibol		
cricket	el cricke	t	golf		el golf		it's go
table tennis	el ping-	oong	netball		el netball		lt is h
to do		hacer	to pr	ractise	prac	cticar	it's su
judo	el judo		swimmin	g	la natación		it's sr
sailing	la vela		dance		el baile		it's b
boxing	boxing el boxeo		gym		la gimnasia		it's co
windsurfing	windsurfing el windsurf		skiing		el esquí		it's w
climbing	la escala	ada	cycling		el ciclismo		
skateboarding	el mono	patín	horse riding		la equitación		
ice skating	el patina	aje sobre hielo	skating		el patinaje sobre ruedas		wher
to go shopping		ir de compras		to do shop	oping	hacer las comp	ras
to go fishing		ir de pesca		to listen to music		escuchar la música	
to dance		bailar		to sing		cantar	
to cook cocinar			to paint		pintar		
to surf the web	to surf the web navegar por internet		ternet	to play video games		jugar los video juegos	
to chat Facebool	to chat Facebook chatear en Facebook		ebook	to horse ride montar al cat		montar al caba	llo
to watch TV	to watch TV ver la tele (visión)		ón)	to ride a b	vike	montar en bici	
to read a book/r	novel/mag	gazine/newspap	er	leer un lib	oro/una novela,	/una revista/un	periódico

3 weather

it's good weather	hace buen tiempo
It is hot	hace calor
it's sunny	hace sol
it's snowing	nieva
it's bad weather	hace mal tiempo
it's cold	hace frío
it's windy	hace viento
it's raining	llueve
when	cuando



Example : Cuando llueve escucho la música en mi dormitorio pero el fin de semana si hace buen tiempo voy a ir al parque y voy a jugar al tenis con mi amigo. (When it rains I listen to music in my bedroom but at the weekend if the weather is good I am going to go to the park and I am going to play tennis with my friend.)



Year 9 Spanish - Term 2B: Free time

4 places

Voy a la playa= I go to the beach. Vamos al parque= We go to the park. (a+el > al)

	swimming pool	la piscina	sports centre	el polideportivo	
)	bowling alley la bolera		cinema	el cine	
	cafe la cafetería		restaurant	el restaurante	
	at home	en casa	in my room	en mi dormitorio	
	the museum	el museo	the beach	la playa	
	the park	el parque	the mountain	la montaña	
	the theme park	el parque temático	the stadium	el estadio	

5 opinions

I'm interested in

I'm facinated by

la trompeta

artista

cantante

la música clásica

To download



me mola(n)

me chifla(n)

Did you know that if you add 'que' (K) to the verb tener = to have to +inf Anoche tuve que hacer mis deberes Last night <u>I had to do</u> my homework



6 music

drums guitar

trumpet

artist

singer

classical music



	I find it(them) masc	lo(s) encuentro	I found it(them)	la(s) encontré
	l enjoy	disfruto	bores me	me aburre(n)
	I tend to+ INF	suelo + INF	bugs me	me molesta(n)
	it's the bomb	lo paso bomba	it was the bomb	lo pasé bomba
	extraordinary	extraordinari@	disappointaing	decepcionante
	marvellous	maravillos@	awful	horroros@
	exciting	emocionante	ridiculous	ridícul@
	i			1
to play (an instrument)		tocar (un instrumento)		
	la batería	piano	el piano	
	la guitarra	saxophone	el saxofón	
				1

l'm into

I like

la flauta

Una canción

la música rock

Un grupo

descargar

me interesa(n)

me fascina(n)

flute

A song

group

Rock music

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St Cuthbert's Catholic High School

Live life in all its fullness