

Differentiated work, homework

Analytical skill - compare ideas from both sides and use personal opinions to provide constructive criticism.

IT skill - using MS Office to report on findings from research, note-taking Research skill - making research and provide research findings







creating an awareness of a product in order to attract and retain customers.

Business plan - a document that define objective and how the

Functional Areas – it is various departments that make up a business

Market research - process of obtaining information about market. customers, product or competitors.

Product Differentiation process of providing unique features of

Support/Challenges



Year 8 More Python

Summary

You will learn how to write computer programs in Python to print text and numbers to the screen. You will learn how to ask the user for input using the keyboard. You will able to do arithmetic in Python using operators and BIDMAS. Throughout the unit you will correct basic syntax errors and logical errors.

Example code						
<pre>print("hello!")</pre>	Prints a value on screen (in this case, hello!)					
<pre>input("")</pre>	Inputs a value into the computer					
<pre>x = input("")</pre>	Inputs a value and stores it into the variable x.					
<pre>x = int(input(""))</pre>	Inputs a value into x, whilst also making it into an integer.					
<pre>age = 12 print("Age: " + str(age))</pre>	The + joins together two variables when printing. Str has to be used to cast age to be a string. This code will output "Age: 12".					

The code above takes two number inputs and stores them as variables called number1 and number2. It then adds these together and saves them in a variable called answer. The final line prints the answer out in a sentence.

<pre>number1 = int(input("Input the first number :"))</pre>	
<pre>number2 = int(input("Input the second number :"))</pre>	Į
answer = number1 + number2	F
<pre>print("The answer is " + str(answer))</pre>	

Websites

Learn Python using these websites:

- www.w3schools.com/python/
- www.codecademy.com/learn/learn-python

Keyword	s
Algorithm	Set of instructions or rules that need to be followed in order to perform calculations or to solve a problem.
Python	A programming language used to write programs.
Shell	The place where code is run.
IDLE	Integrated development environment for Python
Flowchart	A visual method of planning an algorithm using symbols.
Integer	A whole number. (eg. 1, 189)
String	A combination of letters, numbers or characters. (eg, Hello, WR10 1XA)

Python Arithmetic operators

	Operation	Symbol	Example	Output		
	Addition	+	1+10	11		
	Subtraction	-	9-8	1		
-	Multiplication	*	5*4	20		
	Division	/	5/2	2.5		
	Floor division	//	7//2	3		
	Remainder	%	7%3	1		
)	🌛 Python 3.8.5 Shell				_	С

File Edit Shell Debug Options Window Help

>>>

Type "help", "copyright", "credits" or "license()" for more information. >>> print('Hello, World!') Hello, World!







Year 8 Game making

Summary

Blocks

Scratch is a visual programming language, designed for people who have never done any programming before. Its a very good tool to learn the basics of coding. With Scratch, you can program your own interactive games and animations. Scratch helps you to learn coding in a visual colour coded way and see how the blocks of coloured code fit together to make a working program. It also lets you learn about more complicated coding concepts such as iteration and selection in an accessible way.

Scratch is a free online coding program-www.scratch.mit.edu

Scratch User Interface

The Scratch interface has three main sections: a stage area, block palette, and a coding area to place and arrange the blocks into runnable scripts. Users may also create their own code blocks and they will appear in "My Blocks".

	Keywords								
	Costumes	Images that are used to represent a sprite on the stage							
ever ding. / the	Coordinates	Coordinates are used to identify a specific point on the stage area. Using X, (left to right) and Y (up and down). The centre point is written as (0,0).							
	Loops	Repeats a specific sequence of programmed instructions							
	Script	A collection of code blocks that outlines the programming logic that influences the operation of a sprite							
and	Stage	The background of a project, performs functions through scripting							
nay	Sprite	An object in Scratch which performs functions controlled by scripts							
	Variable	Named location in memory. It is a changeable value recorded in Scratch's memory							

		value recorded in Scratch's memory
Motion	Moves sprite, changes angles and position	
Looks	Controls the visuals of the sprite	
Sound	Plays audio files and effects	
Control	Code blocks that trigger script execution based on predefined events	when the discuss and relation argues door's relative •
Sensing	Used to determine the location of the mouse-pointer, its distance from other sprites, and whether a sprite is touching another sprite.	prover
Variables	Used to store data used by applications when they execute.	port in direction (10)
Operators	Perform logical comparisons, rounding, and other arithmetic operations	
Websit	es	

Learn Scratch using these websites:

- https://scratch.mit.edu/
- https://learnlearn.uk/scratch/
- <u>www.youtube.com</u> (search "Scratch tutorials")







Year 8 Drama

Spring Term

Greek Theatre and

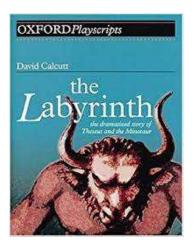
Trestle Masks





Key areas of research for Greek Theatre:

- ➢ Use of masks
- \triangleright Costumes and set
- \triangleright Greek Chorus
- \triangleright Amphitheatres
- Genres of Greek Theatre \triangleright
- Famous Greek Playwrights
- Famous Greek Plays



The Labyrinth Theseus and the Minotaur

This is a play that we will be studying. The Minotaur is a creature that is half man, half bull. Athenian people were sent as sacrifices to keep the peace. Theseus decided to enter the labyrinth and slay the creature, with the aid of Ariadne the daughter of King Minos. The play ends in tragedy as Theseus' father believes that he has died and therefore jumps into the sea, stricken with grief.

look

Greek Chorus

The purpose of the Greek chorus was to provide background and summary information to the audience to help them understand what was going on in the performance. They commented on themes, expressed what the main characters couldn't say (like secrets, thoughts, and

featistic Terminolegy: characters with mornation stage, often built into the hillside. Some and insights could accommodate 15000 people.

Comedy-a genre of Greek Theatre that was humorous and entertaining. Tragedy-a genre of Greek Theatre that usually ended in devastation. Satyr-genre of ancient Greek drama that preserves the structure and characters of tragedy while adopting a happy atmosphere and a rural background.

Greek Chorus-A group of actors that would assist with telling the story of a play.

Playwright-the creator of a play text. Spotlighting-placing focus on one character onstage.

Clocking the audience-making eye contact with the audience and acknowledging them.

Body language-using your body and movement to communicate how you are feeling.



Rules for mask-work

- \geq Always put on and take off your mask offstage or out of sight of the audience.
- Never touch your mask.
- ⊳ Don't talk in a full-face mask.
- \triangleright Clock the audience.
- \triangleright If you are able to, pull your hair over the sides of your mask.
- \triangleright Create your mask's character through exaggerated body language and physicality.



Types of masks:

Neutral masks-masks that have a neutral expression.

Trestle masks-character based masks made famous by the Trestle theatre company.

Half masks-These types of masks only cover the eyes and nose, allowing your characters to speak.



vrite









Year 8 Power of Words

Key Vocabulary

Idiolect Sociolect Youth talk Accent Dialect Pronunciation Received Jargon Profession Occupation Stereotypes Estuary Americanism



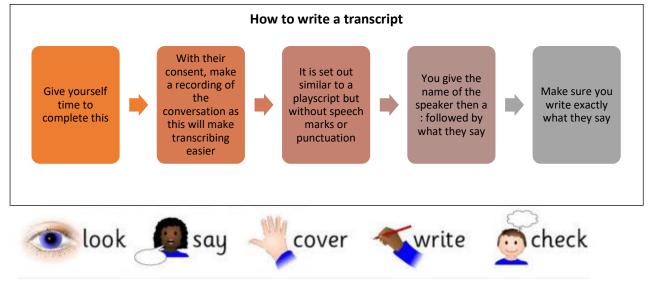
Key Writing skills

Proper and Common Nouns Coordinating and Subordinating conjunctions Adjectives Adverbs Connectives Determiners Prepositions Synonyms

What you can do?

- Learn the spellings using: Look Say Cover Write Say
- Be observant and listen to how people talk
- Research and practise the writing skills: <u>https://www.bbc.co.uk/bitesize/topics/zr6bxyc</u>

Determiners – quantifiers modify a noun		Prepositions w.bbc.co.uk/bite mn/articles/zw	Some symbols for transcript Length of any pauses: (1), (2)	
Any All		here or when soı something else.	Interruption: // Stressed words: bold	
Many Much	Above	Against	New speaker = new line If a word is difficult to	
Most One, two, three, four	Across	Among	Around	understand = inaudible Give any non-verbal
A few Some	At	Before	Below	acts = (laughing), (claps hands)
	From	Into	Near	,





Year 8 Power of Poetry

Key Vocabulary

Discrimination Prejudice Slavery Unconscious bias Satire Equality Racism Refugee Stereotype



Key Writing skills

Connectives Active and Passive Voice Sentences: Declarative, Interrogative, Imperative, Exclamatory (DIIE), Simple, Compound, Complex (SCC) Tenses – past, present, future

What you can do?

- Learn the spellings using: Look Say Cover Write Say
- Keep up with the news there is usually something happening linked to this topic
- Research the poets and the poems
- Research and practise the writing skills: <u>https://www.bbc.co.uk/bitesize/topics/zr6bxyc</u>

Forms of Poetry

Ballad Narrative Monologue Blank Verse Free Verse Epic Sonnet Elegy Ode Villanelle

Poems you will study

Ballad of Birmingham by Randall

Refugee Blues by Auden

Whatever you say, say nothing by Heaney

You will hearing from us shortly by Fanthorpe

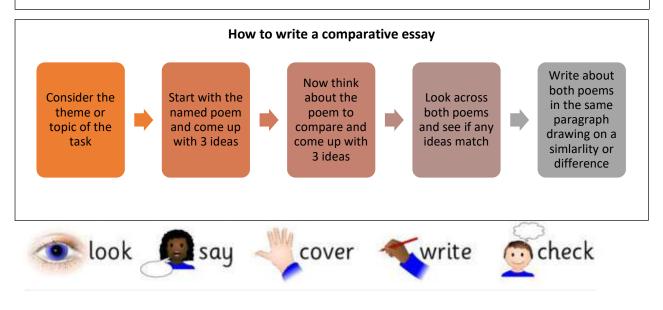
Telephone Conversation by Soyinka

Poetry terms

Enjambment Rhyming Scheme Assonance Caesura Iambic Pentameter Rhythm Stanza Alliteration Anaphora

Connective for comparison

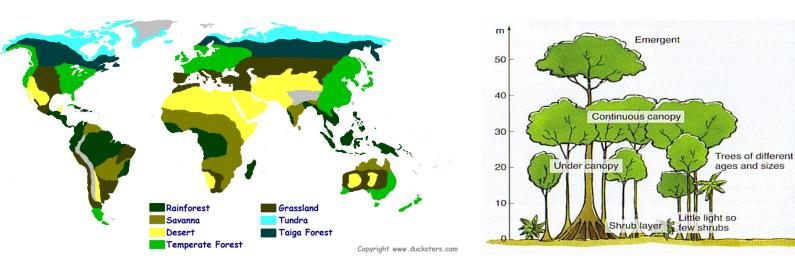
Whereas, Also, Similarly, Contrastingly, Both, Likewise, However, Additionally, Alternatively



Geography - Year 8 Term 2 - Ecosystems and Brazil

Key Terms

Adaptation	The process of change by which a species becomes more suited to its environment.
Equatorial Climate	Places near to the Equator that are very hot and wet throughout the year.
Canopy	An almost unbroken top layer of trees that acts like a roof over the tropical rainforest.
Conservation	The protection of resources and the environment.
Development	Involves changes that usually bring improvement and growth – often a measure of how rich or poor a country is.
Ecosystem	A community of plants, animals and their non- living environment that exist together as a community.
Exports	Goods produced in one country but sold in another.
Interdepend ence	When countries work together and rely on each other for help.
Slash and Burn	A type of farming in the tropical rainforest where farmers cut down and burn just enough trees to farm.
Favela	A area of low quality shanty town type housing found on the outskirts of Brazilian cities.
Sustainable Development	A way of improving people's standard of living and quality of life without harming the environment or wasting resources.

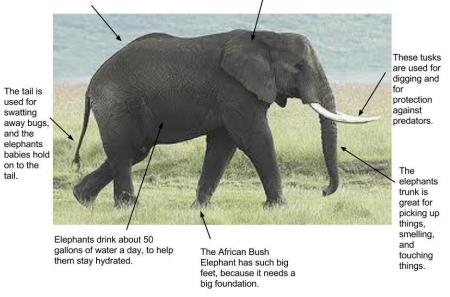


tail.



Elephants have a thick layer of skin, about 1 inch, which helps protect them from the heat of the sun, predators, and their environment.

Big ears to keep cool, / because it is very hot, and there is little shade.



Structure of the rainforest

Year 8 history knowledge organiser half term 2: Black Tudors: their untold story

	Keywords and definitions						
Monarchy	A form of government where the monarch rules						
Freeman	 Citizen of London or other town who has served an apprenticeship and joined a livery company. After a time they were granted the freedom of their company. This allowed them to live, work and trade inside the city walls and participate in town life. People of that leave their place of birth voluntarily and involuntary. Usually to a different continent. 						
Diaspora							
Parish records	A parish register is a record that is usually kept ion a church. It is a handwritten volume, in which certain details of religious ceremonies marking major events such as baptisms, marriages, children, and burials are recorded.	burie Engla other Yet th extra					
Renaissance	A period of time in European history when a lot of new ideas in science, technology, art, and philosophy were explored or discovered	unlike Africa the A					
Slavery	Slavery is an economic (involves money) system. In it, some people must work for no pay. It is also a system of ownership of people.	Engla					

k Tudors came to and from Africa, from pe and from the hish Caribbean. They e with privateers, es, merchants, ocrats, even kings and ens, and were accepted Tudor society. They baptised, married and ed by the Church of and and paid wages like r Tudors. heir experience was aordinary because, the majority of ans across the rest of Atlantic world, in and they were free.

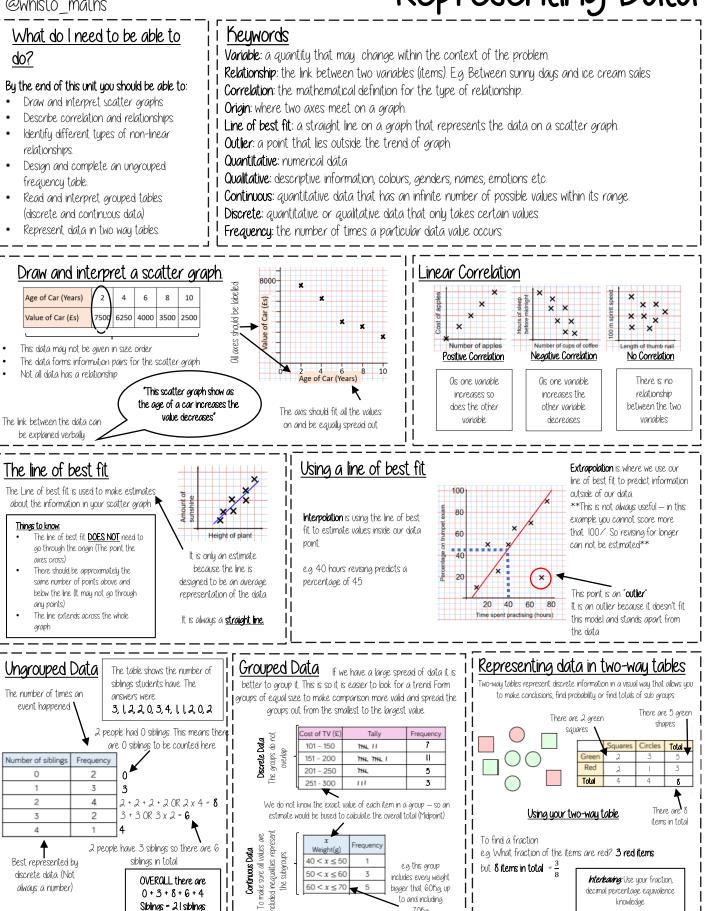


YEAR 8 - REPRESENTATIONS

Siblings = 21 siblings

Representing Data

@whisto maths

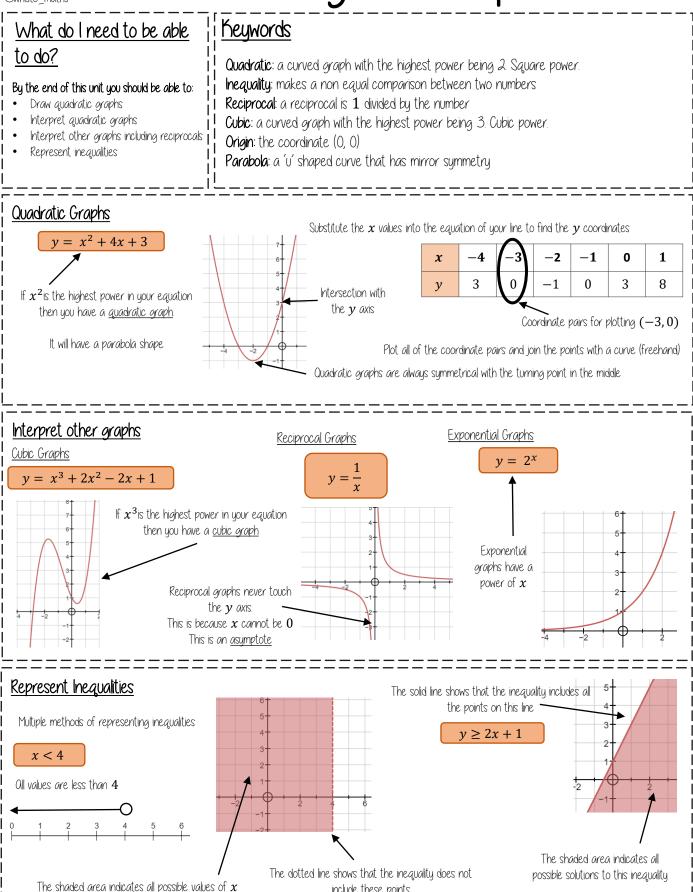


to and including

70ha

knowledge

YFAR 9 — REPRESENTATIONS **Algebraic** Representation @whisto maths



include these points

YEAR 8 - DEVELOPING NUMBER...

Standard Form

ewnisto_math	<u> </u>											
What do I need to be able I Keywords												
to do? By the end of this unit Write numbers in ordinary numbers Order numbers in s Order numbers in s Order numbers in s Order vubtract with Multiply/ Divide with Use a calculator wi	standard f standard fc h standard h standard	form and as	Standard (index) Form: A system of writing very big or very small numbers Commutative: an operation is commutative if changing the order does not change the result. Base: The number that gets multiplied by a power Power: The exponent — or the number that tells you how many times to use the number in multiplication Exponent: The power — or the number that tells you how many times to use the number in multiplication Indices: The power or the exponent. Negative: A value below zero.									
Positive powers o	<u>f 10</u>		<u> </u>	Standard form with numbers > 1		I Negative powers of 10						
billion				Ony number between 1 and A X less than 10	10 n Ony integer	0.00 $ 1 \times \frac{1}{1000}$	10 0	1 10 ⁰ • 10	1 10	1 100	1 1000	
Subtraction rule for	r indices 10ª	+ 10 ^b = 10 ^{a-b}		 <u>Example</u>	<u>Non-example</u>	 x 0 ⁻³	0	0 • 0		0		
Numbers betweer	n 0 and		י ו ו ו ך	3.2 x 10 ⁴ = 3.2 x 10 x 10 x 10 x 11 - 32000	$\begin{array}{c} (0.8) \times 10^{4} \\ 5.3 \times 10^{(0)} \end{array}$		value to ower 0 s = 1		9	ive powers do e negative so	1	
$\begin{array}{c c} 0.054 & 1 \\ = 5.4 \times 10^{-2} & 10^{0} \\ \hline 0 & 0 \end{array}$	• 1 • 10 • 10 ⁻¹ • 0	$ \frac{1}{100} \frac{1}{1000} $ $ \frac{1}{1000} $	- I - I	0rder numbers i 6.4 x 10-2 2	n standard form	10 ² 10 ¹		Look at	10 ⁻² . the power	first	10-4	
0 negative power answer — it means		nean a negative	┘ ; ! !	0.064 240 I 0.13 Use a place value grid to compare the numbers for ordering								
Mental calculation 6.4 x 10 ² x 1000	_		(3)x	 ∣ ∣0⁵x③	Addition and Subt	<u>raction</u>	•	nvert into orc rd from at th	5	ers first and	back to	
$6.4 \times 10^{2} \times 10^{3}$ 6.4×10^{5} Use or $(2 \times 10^{3}) \neq 4$	n standard for Iddition for indi	ces rule = 2. = 2.	24 x .4 x l(10^5 Not in Standard Form $0^1 \times 10^5$ Use addition for	- 600000 + 800000 - 1400000 - 1.4 x 10 ⁵ More robust method	6 x 10 ⁵	T	105 his is not the hal answer	= (<u>1ethod 2</u> 6 + 8) x 10 ⁵ 14 x 10 ⁵ 1.4 x 10 ¹ x 10 1.4 x 10⁵		
= 0.5 x 10 ³ Ony number between 1 and less than 10		► A >	< 10 n Any integer	Less room for misconcept Easier to do calculations negative indices Can use for different pov	with		[Only wor	Only works if the powers are the same			
$\frac{1.5 \times 10^{3}}{0.3 \times 10^{3}}$	n questions ok like this	values for A	ultiplication and division you can look at the ues for A and the powers of 10 as two separate calculations		Press 🗙 hput 3.9 and press 🗶10*) T	Culator 14 x 10 ⁵ x 3.9 x 10 ³ Use a calculation to accuracy x 10 ⁴ Then press 5 (for the power) This gives you the solution to accuracy x 10 ⁴ Then press 3 (for the power) This gives you the solution to accuracy					ator to work out this a suitable degree of	
$(1.5)x \ 10^5$) \div $(0.3)x$ $(15 \div 0.3)x \ 10^5 \div$: 10 ³) 10 ³			raction laws for indices — For the calculations	Press = To put into standard form a	nd a suitable de	aree of ac] curacu	Click calc	ulator for vid	eo tutorial	
<u>= 5 x 10²</u>		on law for indices A ⁿ = A ^{m + n}	6	Subtraction law for indices A ^m ÷ A ⁿ = A ^{m−n}	Press SHIFT SETUP and th Choose a degree of accurac	nen press 7 for	sci mode.	2	Onswer	:5.5 x 10 ⁸		

PUPILS TO EVALUATE THE USE OF BODY PARTS TO GAIN AN IMPROVEMENT IN REPLICATED TECHNIQUE

UNDERSTAND THE CHANGES IN HEART RATE BEFORE, DURING AND AFTER EXERCISE

PUPILS SHOULD UNDERSTAND THAT DIFFERENT EVENTS DEMAND DIFFERENT COMPONENTS OF FITNESS

ABLE TO COMPARE OWN AND OTHERS WORK AND CAN STATE THE DIFFERENCES. USE THIS INFORMATION TO ATTEMPT TO IMPROVE OWN PERFORMANCE.

HEART (RESILIENCE)

I HAVE WORKED INDIVIDUALLY AND AS PART OF A GROUP THIS TERM.

I HAVE SHOWED GOOD RESILIENCE IN A RANGE OF ATHLETIC ACTIVITIES, Including both track and field events.

I HAVE SHOWN GOOD RESILIENCE WHEN WORKING INDIVIDUALLY AND AS A PART OF A TEAM ACROSS A RANGE OF FIELD AND TRACK EVENTS THIS TERM.

I HAVE PUSHED MY BODY AND CHALLENGED MYSELF TO IMPROVE ACROSS A RANGE OF ATHLETIC EVENTS.

HANDS

PUSH BODY TO CHALLENGE PHYSICAL CAPACITY IN LESSONS

SHOW A GOOD REPLICATION OF SKILLS ACROSS MOST FITNESS DISCIPLINES

APPLY BASIC PRINCIPLES OF WARM UP AND COOL DOWN, USING EXERCISES APPROPRIATE FOR THE EVENT

PERFORMS WELL IN ALL FITNESS TEST IN DIFFERENT COMPONENTS



Year 8 Fitness



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UNDERSTAND THE BASIC AND SOME MORE ADVANCED RULES SURROUNDING THE GAME

TO USE THIS INFORMATION TO ATTEMPT TO IMPROVE OWN PERFORMANCE.

DEMONSTRATE A STRONG ABILITY TO REFLECT ON OWN LEARNING

CAN USE AN IMPROVING RANGE OF SKILLS AND TECHNIQUES TOGETHER WITH CONTROL AND ACCURACY TO OUTWIT AN OPPOSITION.

HEART (RESILIENCE)

I HAVE WORKED INDIVIDUALLY AND AS A PAIR IN SINGLES AND DOUBLES MATCHES THIS TERM

I HAVE SHOWED GOOD RESILIENCE WHEN I HAVE BEEN LOSING IN A MATCH

I HAVE SHOWN RESILIENCE WHEN WORKING WITH MY PARTNER IN DOUBLES THIS TERM

I HAVE SHOWN GOOD RESILIENCE WHEN I HAVE PLAYED SINGLES MATCHES THIS TERM

HANDS

REPLICATION OF CORE SKILLS (FOREHAND, BACKHAND, SERVE, SLICE, DROP SHOT)

FOREHAND AND BACKHAND SHOTS ARE PERFORMED LOWER OVER THE NET AND WITH PURPOSEFUL DIRECTION

DEMONSTRATE MORE ADVANCED VARIATIONS OF THE CORE SKILLS

USES MAINLY THE FOREHAND SHOTS BUT CAN VARYING THE ANGLE AND DEPTH OF THE BALL.



Year 8 Table



St John Fisher Catholic High School

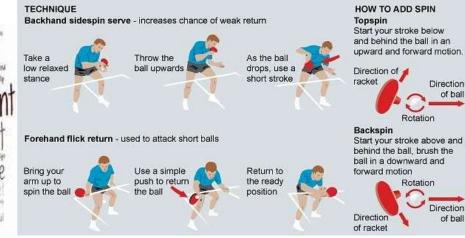


RULES OF TABLE TENNIS

- If the ball touches the table top then is deemed as in.
- If the ball touches the side of the table then is deemed as out.
- A player is not allowed to strike the ball in volley unless the opponent's ball leaves the table and I strike the ball in a volley behind the table, in which case the point would be awarded to me.
- The ball rests freely on the open palm of your hand when serving.
- The hand holding the ball must he above the level of the table in the serve.
- The ball should be projected upwards in the serve.
- When serving the ball should struck when it is falling and from behind the table.
- When serving, the ball must bounce on your side of the court and then again on your opponents side of the court.



TABLE TENNIS Four key techniques to success in Olympic table tennis matches.



TO DEVELOP AN UNDERSTANDING ABOUT ATTACKING PRINCIPLES RELATED TO HANDBALL

TO UNDERSTAND HOW TO PASS THE BALL AROUND OPPONENTS WHILE UNDER PRESSURE IN A GAME SITUATION

TO DEVELOP KNOWLEDGE & UNDERSTANDING OF BASIC STRATEGIES TO OUTWIT DEFENDERS

TO REFINE TACTICS BASED ON OPPONENTS WEAKNESSES.

HEART (TEAM WORK)

I HAVE SUCCESSFULLY WORKED HARD IN MY LESSONS WORKING WITH PEOPLE WHO I DON'T USUALLY WORK WITH

I HAVE LED A PART OF A WARM UP AT THE START OF THE LESSON WHICH MY TEAM HAS TAKEN PART IN

I HAVE SUCCESSFULLY SET UP A DRILL WITH MY TEAM WHICH WE HAVE USED WITHIN THE LESSON

I HAVE TAKEN PART IN VARIOUS ROLES WITHIN A GAME SITUATION TO BENEFIT MY TEAM

HANDS

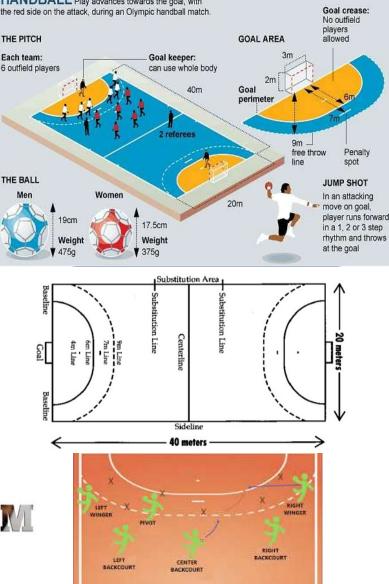
SHOW A VARIETY OF PASSES WITH GOOD SPEED AND TIMING.

CAN RECEIVE A VARIETY OF PASSES WITH 1 HAND CONSISTENTLY.

IS ABLE TO DRIBBLE WELL WITH CONTROL IN A GAME SITUATION

ABLE TO SHOOT WHILE BEING MARKED CLOSELY. ATTEMPT A VARIETY OF SHOTS.





I CAN DEMONSTRATE KNOWLEDGE OF THE RULES AND TACTICS.

I CAN ANALYSE MY OWN AND OTHERS PERFORMANCE' GIVING STRENGTHS AND AREAS FOR IMPROVEMENT.

I AM INDEPENDENTLY EXPLORING AND EXPERIMENTING WITH DIFFERENT WAYS OF IMPROVING

I CAN PLAN, ORGANISE AND LEAD A PRACTICE WHICH DEMONSTRATES COMPETENT KNOWLEDGE IN BADMINTON

HEART (COMMITMENT)

TO COME TO LESSON WITH CORRECT EQUIPMENT AND PE KIT

TO BE PREPARED TO TRY MY BEST IN EVERY LESSON THIS TERM

TO BE COMMITTED TO TAKING ON BOARD VERBAL FEEDBACK FROM BOTH STUDENTS AND TEACHER

TO BE COMMITTED TO UPHOLDING THE VALUES OF SPORT IN LESSONS AND PLATY WITH SPORTSMANSHIP

HANDS

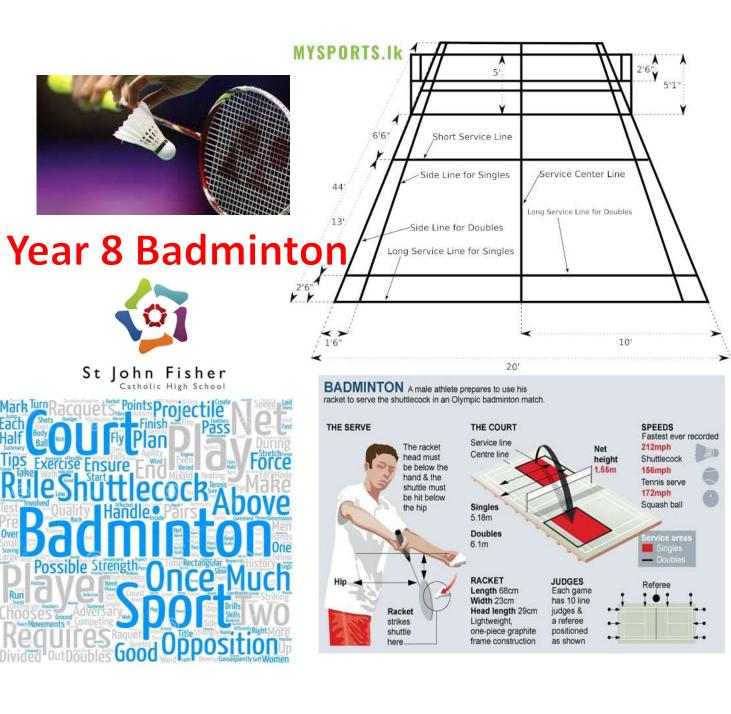
I CAN MAINTAIN A RALLY USING FOREHAND AND BACKHAND STROKES

I OFTEN VARY THE ANGLE AND DISTANCE OF MY SHOTS

I CAN SUCCESSFULLY PERFORM SMASH AND DROP SHOTS AT THE CORRECT TIME

Run

I CAN PERFORM HIGH AND LOW SERVES AND HAVE STARTED TO SELECT SHOTS WHICH PUT MY OPPONENT UNDER PRESSURE.



BEGIN TO UNDERSTAND IMPORTANCE OF STRATEGY AND TACTICS

DEMONSTRATE A BASIC KNOWLEDGE OF GAME RULES AND RECOGNISES ERRORS DURING A GAME.

SHOW A DEVELOPING ABILITY TO READ THE GAME AND MOVE INTO THE NECESSARY SPACE TO REPLICATE A CHOSEN SKILL

CAN RESPOND TO CHANGING SITUATIONS BY CHANGING AND REFINING SHOT SELECTION

HEART (COMMITMENT)

I SHOW DEDICATION AND COMMITMENT EVERY LESSON TO IMPROVE MY SKILLS IN VOLLEYBALL.

I STAY COMMITTED TO SEE THINGS THROUGH TO THE END OF GAMES WITHOUT GIVING UP.

I SHOW GOOD COMMITMENT TO HAVE HIGH STANDARDS IN EVERY PE LESSON.

I HAVE SHOWN GOOD COMMITMENT WHEN PLAYING IN MATCHES WHEN WINNING OR LOSING.

HANDS

DEMONSTRATE ABILITY TO PLAY THE SET (VOLLEY) IN A GAME SITUATION TO OUTWIT THE OPPOSITION.

I CAN USE A VARIETY OF SERVES (OVERARM AND UNDERARM) TO OUTWIT AN OPPONENT IN A GAME SITUATION.

DEMONSTRATE ACCURACY AND POWER WHEN PERFORMING THE SPIKE TO WIN A POINT.

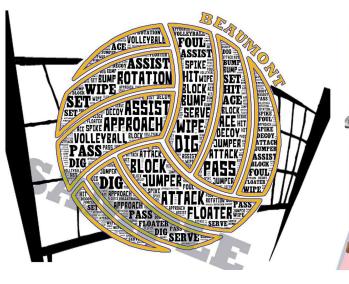
I CAN PERFORM THE DIG WITH CONTROL AND ACCURACY IN A COMPETITIVE SITUATIONS.



Year 8 Volleyball



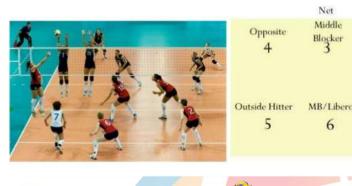
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POSITIONS

There area 6 players on the court in the game of volleyball. (2 lines of 3 players) $% \left(2 \right) = 0.012$

- 1. Outside hitters: spike the ball
- 2. 2. Middle blockers: best at blocking the net.
- 3. Setters: pass it off to the middle or outside for a spike





Swing at the ball with a extended arr

blow through the ball with a firm wris

ware hand

Have spread fingers hitting the ball with the pain

fuere year hand up early with therers sported the hand of a built
 ere yoar hands symmetrical
 there hand the hand therers underneam hand the hand there year underneam hand there yoar hands and forefriegers)
 Pach the built end yoar does the had to so yoar with a built through the data hand to so yoar hands and forefriegers)
 Pach the built end yoar with the hand there year with the hand there year hands and there the year with the hand there year with the hand there year hands and there year hands and year with the hand there year hands and year with the hand there year hands and year with the hand there year hands and year hand there hand there year hands and year with the hand there year hands and year with the hand there year hands and year with the hand there year hand there hand there year hand there hand there with the hand there with the hand there year hand hand there with the hand there year hand hand there with the hand there with there with the hand there with there with there with the hand there with the hand there w

THE SET

Outside Hitter

Setter

- Spread your fingers and hands to make as big as possible
 Reach over the net as far as possible
- Don't touch the ball until after the spike

*Isaac Kapa keeps his hands over the net and covers the ball

TO UNDERSTAND AND APPRECIATE THE NEED TO MAKE DECISIONS ABOUT CHOICE OF MOVEMENTS AND REFINING IDEAS WHEN UNSUCCESSFUL.

UNDERSTAND THE PRINCIPLE OF UNISON AND CANNON DURING GROUP PERFORMANCES.

TO DEVELOP HOW TO RECOGNIZE GOOD PERFORMANCE IN SIMPLE DANCE ROUTINES ROUTINES

NAME THE KEY FEATURES OF URBAN DANCE WITH REFERENCE TO THE KEY TERMS E.G. UNISON, CANNON, BATTLE, REPETITION.

HEART (RESILIENCE)

I HAVE WORKED INDIVIDUALLY AND AS PART OF A GROUP THIS TERM.

I HAVE SHOWED GOOD RESILIENCE IN DEVELOPING MY UNDERSTANDING of different cultures within dance.

I HAVE SHOWN GOOD RESILIENCE WHEN WORKING INDIVIDUALLY AND AS A PART OF A GROUP TO DEVISE IDEAS AND ROUTINES FOR DANCE PERFORMANCES.

I HAVE PUSHED MY BODY AND CHALLENGED MYSELF TO IMPROVE ACROSS A RANGE OF DANCE ACTIVITIES.

HANDS

To be able to perform the correct movements and techniques in timing with the music. (MUSICALITY) $% \left(\left(MUSICALITY\right) \right) \right)$

TO BE ABLE TO USE LEVELS, UNISON, CANNON AND FORMATIONS IN MY DANCE ROUTINES.

TO COMPOSE A DANCE ROUTINE AS PART OF AN URBAN DANCE PERFORMANCE.

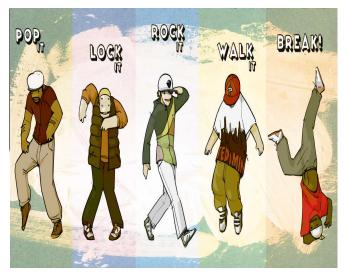
MY DANCE PERFORMANCES DEMONSTARTE A VARIETY OF LEVELS, TRAVEL, DIRECTIONS AND DYNAMIC QUALITIES.



Year 8 Dance



St John Fisher Catholic High School



DYNAMICS

A quality of movement with reference to time, weight, flow and space (eg space & tension)



Sensitive awareness to musical phrasing, timing, style and mood. Being able to accent beats in the music with your movement



An informal competition where two or more people oppose each other.

RPF110N

Repetition means to repeat. A combination of movement and steps are performed the same exact way



Repetition of movements between dancers, one after another or with each repeat overlapping with the previous one.



<u>PSHE- Knowledge organiser- Y8 Term 2</u>

Skills: Decision making

Living in the wider world	CEIAG	 Motivating factors to choose a career are varied: salary, location, possibility of promotion, wanting to help others or not etc. GCSE qualifications give students a broad, general knowledge across a range of subjects. Post-GCSE, students can become increasingly specialised through level 3 qualifications (like A-levels or BTECs), then specialise again through higher level qualifications (like higher diplomas or degrees). All students have to study English, Maths and Science until they're 16. If you are unsure of which career path to take, choose a selection of GCSEs that will provide as many skills as possible. Contract:#A written agreement between the employer and employee. Both must follow the law. Qualification: A document proving that someone has passed exams or completed a course. Benefits: Extra things given to you by an employer, aside from your salary. E.g. healthcare plan, money towards qualifications. Job specification: A list of tasks that are part of the job. Salary: The amount an employee gets paid per year. Person specification: A job available to someone who has recently earned a degree. Applicant: The person applying for the job. Assessment day: A way for an employer to assess if you're right for the job. It may involve group and individual tasks, as well as an interview. Cover letter: A letter sent to an employer with your CV, explaining why you want the job and why you are suited to it. Reference: From a previous employer, confirming the applicant worked at one (or more) of their previous jobs.
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Remember!

- We will be open and honest, but not discuss directly our own and others personal/ private life.
- Your teacher will not repeat what is said in the room except if she/he is concerned we are at risk.
- It is ok to disagree but we will not judge.
- Taking part is important but we have the right to pass.
- We will not make assumptions and we will listen to others' point of view.
- We know that there are no stupid questions but we will use appropriate language.
- If we need further help or advice, you know you can talk to your teachers, form tutor and SSOs.

<u>Prophecy</u>

Key Objectives: What it means to be a Prophet. Who were the Old Testament Prophets? Exploration of modern day prophets.

Keywords:

Prophet: Messenger of God Proclamation: To declare something Evangelise: Spread the word of God Gospel: Good News

Year 8 Term 2

Knowledge Organiser





Church in Britain

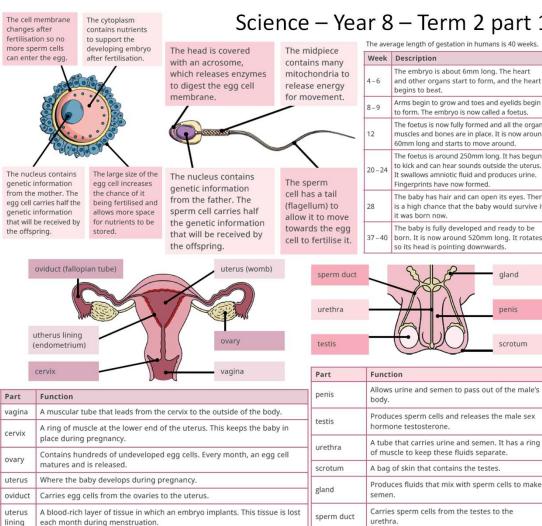
Key Objectives:

To explore the origins of the Church in Britain

To explain the work of key Apostles. To evaluate the impact of the Reformation on the Church today

Keywords:

Church: Place of Worship/Community of Christians Reformation: The process of change to the Church Emancipation: process of being set free from legal, social, or political restrictions; liberation



Science – Year 8 – Term 2 part 1 – Genes and Competition

The embryo is about 6mm long. The heart

begins to beat.

it was born now

and other organs start to form, and the heart

Arms begin to grow and toes and eyelids begin

The foetus is now fully formed and all the organs

muscles and bones are in place. It is now around

The foetus is around 250mm long. It has begun

to kick and can hear sounds outside the uterus.

It swallows amniotic fluid and produces urine.

The baby has hair and can open its eyes. There

is a high chance that the baby would survive if

The baby is fully developed and ready to be

born. It is now around 520mm long. It rotates

gland

penis

scrotum

so its head is pointing downwards.

to form. The embryo is now called a foetus.

60mm long and starts to move around.

Fingerprints have now formed.

Keywords

embryo screening - Genetic tests carried out on an embryo to see whether it carries a faulty allele.

evolution - A change in the inherited characteristics of a population, over time, through a process of natural selection.

evolutionary tree - A method used to show how scientists believe organisms are related.

extinction - The permanent loss of all members of a species.

fossils - The remains of organisms from millions of years ago which are found in rocks.

genetic engineering - The process by which scientists manipulate and change the genotype of an organism. natural selection - The process by which organisms

that are better suited to an environment are more likely to survive and reproduce.

selective breeding - Humans selecting animals or plants, that have a required characteristic, for breeding.

speciation - The process by which two species evolve from a single original species by natural selection. The two populations have become so different that they can no longer interbreed to produce fertile offspring. variation - Differences in characteristics of individuals in a population.

How to Complete a Punnet Square

Step 1: Put the two alleles from one parent into the boxes at the top. This parent is a heterozygote. This means they have one dominant and one recessive allele.

Step 3: Put the alleles

from the first parent

into the two boxes

Step 2: Put the two

second parent into

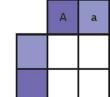
the boxes on the left.

This parent is also a

alleles from the

heterozygote.

beneath them



Δ а

Δ a A a

Step 4: Put the alleles from the second parent into the two boxes to the right of them.

A a -AA aa -Aa aa

gene chromosome DNA nucleus

Evolution

All species of living things have evolved from simple life forms by natural selection.

- · If a variant/characteristic is advantageous in an environment then the individual will be better able to compete.
- This means they are more likely to survive and reproduce.
- Their offspring will inherit the advantageous allele.

Evolution by Natural Selection

Darwin's theory was only gradually accepted because ...

- · the theory challenged the idea that God made all the animals and plants that live on earth.
- there was insufficient evidence at the time the theory was published to convince many scientists.
- the mechanism of inheritance and variation was not known until 50 years after the theory was published.

The structure of the earth is shown below Science – Year 8 – Term 2 part 2 – Earth, Sky and Space



- The crust is the outer layer of the earth.
- The mantle is mainly solid rock.
- The core is divided into two parts, outer and inner core. The outer core is solid the inner core is liquid.

Gas	% in atmosphere
nitrogen	79
oxygen	21
carbon dioxide	0.004
argon	1

A greenhouse is a house made of glass and is commonly used by gardeners to help grow plants and keep them warm. As the sun shines through the greenhouse, the air is heated up and becomes trapped by the glass and is prevented from escaping. During daylight, a greenhouse stays quite warm and this lasts into the night.

The earth and its atmosphere are very similar to that of a greenhouse. The greenhouse gases in the atmosphere trap the heat and keep the earth warm. The main greenhouse gases are carbon dioxide, water vapour and methane. During the daylight, the sun warms up the earth's surface. During the night, as the earth begins to cool and release the heat back into the atmosphere, some of the heat is trapped by the greenhouse gases in the atmosphere.

If the greenhouse effect becomes too strong, the earth will get too warm and melt the Arctic ice. As we burn more fossil fuels, the levels of carbon dioxide and the other greenhouse gases increase in our atmosphere which makes the greenhouse effect stronger.



The solar system is part of the Milky Way galaxy and is made up of the Sun and anything that goes round it (orbit). There are 8 planets and some dwarf planets, including Pluto.

Planets are objects that orbit a star (the Sun). A dwarf planet will orbit a star but will be too small to be a planet, or not quite fit the pattern of a normal planet. Pluto is an example of a dwarf planet. Moons orbit planets and are also known as natural satellites. Planets are natural satellites of the Sun. Artificial satellites are satellites that humans have built and they mostly orbit the Earth.

Type of Rock	Examples
sedimentary	limestone , sandstone
metamorphic	marble, slate
igneous	granite, basalt

- · Sedimentary rocks are formed in layers, porous and may contain fossils.
- Igneous rocks are formed when a liquid rock cools, they contain crystals. If the rock is cooled quickly they contain small crystals, if they cool slowly they contain large crystals.
- · Metamorphic rocks are formed from rocks that have undergone immense heat and pressure.

