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Quest for Knowledge Booklet

<u>Year 7</u>

<u>2023-2024</u>

This pack has been put together by your Learning Consultants.

It contains lots of Essential Knowledge that underpins your learning.

It will form the basis of your Independent Learning and needs to be

learnt over the course of the school year.

Some strategies to help maximise how you use this pack:

- Copy out information to help you learn;
- Test yourself on information (Look-Cover-Test-Check);
- Create and use flash cards;
- Read through the pack silently to deepen your understanding;
- Ask a parent/carer or friend to test you on the content.

Student Name:

Company:

Tutor:





<u>Using your Quest for</u> <u>Knowledge Booklet</u>



Strategies to use your Quest for Knowledge effectively:

Strategy	Guidance
Copying out – writing out information from the Q4K yourself.	This strategy is useful for working through information systematically; it has its limitations though.
Mind Mapping – writing a topic or key idea, and surrounding it with linked ideas or information.	This strategy is a nice way to break down information, and draw links between them.
Self-quizzing — cover information that you feel is learned, before testing yourself.	This is an extremely effective strategy — as you get more confident, you can ask more difficult questions of yourself!
Quizzing at home – parents/carers relatives take key information, and quiz you on it.	This is similar to self-quizzing; make sure that whoever quizzes you pays close attention to accuracy of your answers!
Blurting – write a topic or key idea, before wiring everything you can think of. Then, check to see what you know and have missed.	This is a great way to find the gaps in your knowledge; give it a try!
Flash cards – on a small piece of paper or card, write a question or term. On the back, write the answer or definition. Test yourself, or get tested by someone!	Flash cards are particularly useful for remembering key terminology, vocab or dates.



Habits of Discussion



Agreement Prompts:	Disagreement Prompts:
• "I agree with Jason because"	 "I disagree with Chris because"
 "I was just thinking of something similar to Maria's point about" 	 "I think it's more complex than what you're saying, Alice, because"
• "Grace's point makes sense because"	• "I understand why you'd say that Naresh, but"
 "I think that the strongest part of Taz's response was…" 	 "There's another piece of evidence that contradicts Rosie's point"
 "Nelam's point about was important because it" 	 "I see things differently to Shara because"
	 "The evidence I've looked at suggests something different to Ben's response"
Add to Prompts:	Paraphrasing:
 "I'd like to elaborate on Jade's idea" 	 "Another way you may interpret that is"
 "I'd like to build on Kate's point" 	 "Put another way, Brian is saying"
• "There's another example of what Theo is talking about"	 "So Nyasha is saying that"
"You could also add that"	 "It is fair to say that Chris believes"
 "The thing that I think is missing from Charlie's 	

- "The thing that I think is missing from Charlie's point is..."
- "I understand, and would like to add..."
- "Is it fair to say that..."
- "If we change Jess' point just a little, we could add..."
- "Alex's point about _____ was good but I'd also add..."



Habits of Discussion

<u>French</u>



Agreement Prompts	Disagreement Prompts
 "Je suis d"accord avec parce que" – I agree with because 	 "Je ne suis pas d'accord avec" – I disagree with
 "Je suis du même avis que" – I am of the same opinion as 	 "Je pense que c'est plus compliqué/complexe que ce que tu as dit parce que" – I think that it is more complicated/complex than what you have said
• "Sans doute ton point est vrai parce que" - There is no doubt that your point is true because	 "Je comprends ce que tu veux dire mais" - I
	understand what you are trying to say but
 "Selon moi, ta idée est convaincante/puissante/pertinente parce que" – In 	• "l'ai un avis différent à car "-l am of a
my opinion, your idea is	different view toas
Convincing/powerful/relevant because	 "Je suis désolé(e) mais à mon avis" – l am sorry
 "Je prends le parti de parce que" – l take the side of because 	but in my opinion
 "J'abonde dans le sens de parce que" – l agree wholeheartedly with 	 "Je suis contre le point de parce que" – l am against's point because
 "J'accepte sans équivoque l'avis de parce que" 	 "Le point de ne dépasse pas la surface des choses parce que"'s point skims the surface because
	 Je refute le point de parce que l reject this point because
	 Je condamne nettement le point de parce que l condemn outright's point because
	 Je crois que c'est tout le contraire – I believe that exactly the opposite is true
	 Je suis (fermement) opposé(e) à l'avis de parce que l am firmly opposed to's opinion because
Add to Prompts	<u>Paraphrasing</u>
 "En plus, on pourrait dire que" – In addition, one could say that 	 "En d'autres termes dit que" – In other words, said that

 "Le point de ______ était vrai mais je voudrais ajouter quelque chose..." - _____'s point was true but I would like to add something...

- "En cela s'ajoute"... In addition there is...
- "Par ailleurs, Je voudrais dire que"... Furthermore, I would like to say that...

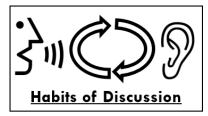
• "Cela revient à dire que" – This amounts to saying that...

- "Pour résumer le point de _____..." To summarise _____'s point...
- "Autrement dit..."- In other words...
- "Autant dire que..." In other words...
- "En fin de compte..." At the end of the day...
- J'en reviens toujours là..." I come back to the point that...
- J'ai déjà constaté/dit que..." l have already said that...



Habits of Discussion

<u>Spanish</u>



Agreement Prompts	Disagreement Prompts
<u>Respuestas de acuerdo</u>	Respuestas de desacuerdo
• Estoy de acuerdo con porque l agree with because	• No estoy de acuerdo con I disagree with
	 Pienso que eso es más complicado/complejo que lo que
 Tengo la misma opinión que 	has dicho porque
I have the same opinion as	I think that it is more complicated/complex than you
	have said because
 No hay duda, tu punto de vista es verdad porque 	
There is no doubt that your point is true because	 Entiendo lo que dices pero…
	I understand what you are trying to say but
	ronderstand what you are nying to say botter
• En mi opinión, tu idea es convincente / poderosa /	a la signta nova on mi animián
relevante porque In my opinion, your idea is convincing/powerful/relevant	 Lo siento pero en mi opinión I am sorry but in my opinion
because	
	• Estoy en contra de porque
• El punto de vista detiene sentido porque	l am against''s point because
point makes sense because	
	 Veo las cosas diferentes a porque…
	I see things differently tobecause
Add to Prompts	Paraphrasing
<u>Añadimos las respuestas</u>	<u>Parafrasear</u>
 Además, puedo decir que… 	• En otras palabras diría que…

 Ademas, puedo decir que In addition, I could say that 	• En otras palabras In other words,	
 El argumento de era verdad pero me gustaría añadir algo… 	• Así queesta dici So is saying that	
's argument was true but I would like to		
add something		
	• Para resumir el punto de v	rista de
	To summarise	_'s point…
• Además, hay		
Also, there is		
	• En otras palabras	
	In other words	
 Entiendo, y me gustaría añadir 		
I understand, and would like to add		

Quest for Knowledge - Assessment Cycle One - English Big Question: How Do I Craft Texts?

<u>Language</u>	Definition	<u>Fiction/ Non-</u> <u>Fiction</u>
Simile	Comparing two things with as or like.	F/NF
Metaphor	Direct comparison, without the use of as or like.	F/NF
Personification	Human characteristics given to non living things/objects	F/NF
Imagery	Highly descriptive/figurative language	F/NF
Triplet	A set of three adjectives, verbs or adverbs.	F/NF
Repetition	Repeating a word or phrase.	F/NF
List	Four or more words/ phrases in a row.	F/NF
Pathetic Fallacy	Weather establishes/creates mood/tone	F
Semantic Field	Group of words linking to one topic.	F/NF
Rhetorical Question	A question that requires no answer.	NF
Emotive language	Language that evokes an emotional response.	NF
Statistics	Numerical data.	NF
Anecdote	A short description of an account of an event.	NF
Epicrisis	Famous quote.	NF
Hyperbole	Extreme exaggeration.	NF

<u>Word Class</u>	Definition
Noun	A word that represents a place, person or object.
Adjective	A word that describes a noun.
Verb	A word that describes an action.
Adverb	A word that describes a verb (usually ends in ly).
Pronouns	Words that replace nouns for an individual/ a group of people.

Non-Fiction Writing

<u>Term</u>	Definition
Ethos	Appealing to community values/ morals/ ethics.
Pathos	Appealing to an audience's emotions.
Logos	Appealing to logic/reasoning.

<u>Quest for Knowledge - Assessment Cycle Two - English</u> <u>Big Question: What Is The History Of English?</u>

<u>Method</u>	Definition
Animal Imagery	Giving non-animal/ objects animal characteristics.
Symbolism	An image which represents a hidden deeper meaning.
Motif	Reoccurring symbol/image
Allusion	A reference to an event, person, myth etc. that is well known.
Allegory	A narrative with a hidden meaning (often moral, political or religious).
Foreshadowing	A hint at a later event.
Contrast	Two different ideas/ images.

<u>Key Terms: Form</u>	
Tragic Hero	Main character; tragic flaw.
Tragedy	A genre of drama based on human suffering/downfall.

<u>Criteria: Tragic Hero</u>
High status.

Audience must view him as admirable/ worthwhile.

Hamartia= tragic flaw that leads to downfall.

The tragic hero suffers internally and externally.

Anagnorisis: delayed recognition of mistakes.

Peripeteia: a sudden reversal of fortune/ circumstance.

Must die.

<u>Quest for Knowledge - Assessment Cycle Three - English</u> <u>Big Question: How Has Shakespeare Influenced Literature?</u>

Background Information	
The Divine Right of Kings	The belief that a King's authority comes from God.
Regicide	The killing of a monarch; regarded as a mortal sin.
The Natural Order	Hierarchy: God— State— Man— Woman— Nature.
Patriarchal Society	A system of society controlled/ dominated by men.
Stock Character	Stock characters represent specific stereotypes.
Archetype	A typical example of a type of character, setting or story pattern.

Form	The 'type' or genre of a text. e.g., A tragedy/comedy.
Language	The words and images used. e.g., Metaphor or simile.
Structure	The way a text is organised. E.g., soliloquys/dialogue.

<u>Shakespearean Plays</u>	
Tragedy	A genre of drama based on human suffering/downfall.
History	A genre of drama based on historical events (dramatized); social strata; social commentary.
Comedy	A genre of drama based on idyllic settings; fate and supernatural; reason vs. emotion; reconciliation and mistaken identity.

<u>Quest for Knowledge – Assessment Cycle Four – English</u> <u>Big Question: How Does Poetry Inform Our World View?</u>

<u>Form</u>	<u>Definition</u>	
Ballad	A poem that tells a story.	
Elegy	A poem of serious reflection. It usually expresses grief, sadness or loss.	
Free Verse	A poem that has no regular rhythmic pattern or rhyme scheme.	
Lyric	A poem that explores emotion and feeling. It is songlike in its structure	
Sonnet	A 14-line poem with a formal rhyme scheme.	

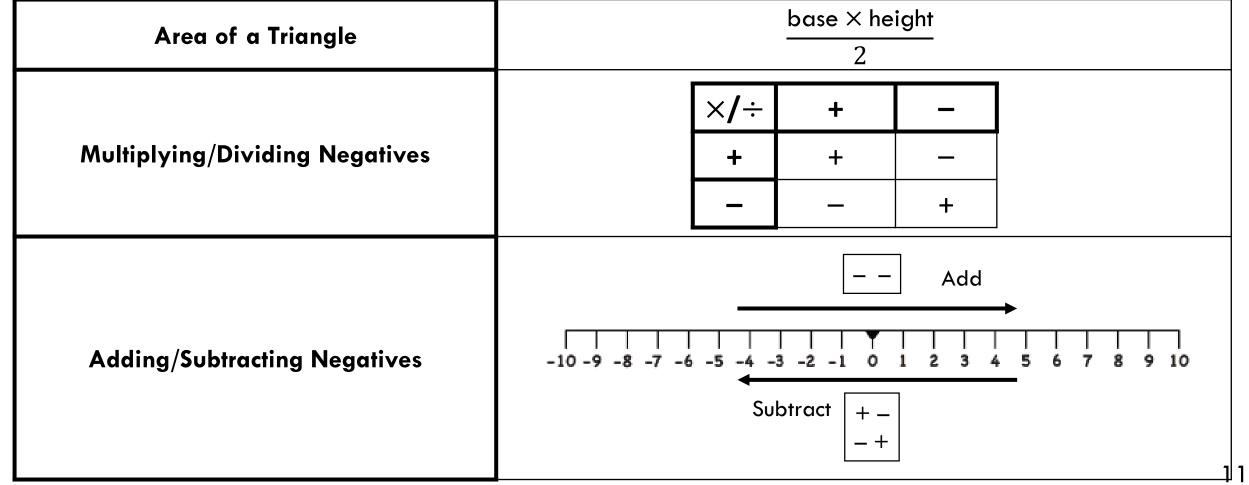
<u>Structure</u>	<u>Definition</u>	
Caesura	A pause in a line of poetry, marked by punctuation.	
Enjambement	The continuation of a line (no punctuation).	
Rhyming Couplet	A pair of lines that rhyme.	
Stanza	A verse (a 'paragraph').	

<u>Wider Information</u>	Additional Information	
Immigration	Moving to a foreign country.	

Oppression	The abuse of power.	
Slave Trade	The selling and transport of human beings as slaves by European countries.	
Holocaust	The killing of civilians (especially Jews) by Nazis during World War Two.	
The Windrush Generation	Caribbean immigrants who emigrated from Jamaica to England in 1948.	

<u>Quest for Knowledge – Assessment Cycle One – Maths</u> <u>Big Question: How Can We Calculate Efficiently?</u>

<u>Key Term</u>	<u>Essential Knowledge</u>	
Integer	A whole number (including negatives and zero).	
	Greater than: >	
	Less than: <	
Comparing Values	Equal to: =	
	Not equal to: \neq	
	Approximately equal to: \approx	
Odd Numbers	Integers that are not multiples of 2 (end in 1, 3, 5, 7 or 9).	
Even Numbers	Integers that are multiples of 2 (end in 0, 2, 4, 6 or 8).	
Rounding	Round up if the following digit is 5 or more.	
	Round down if the following digit is less than 5.	
Significant Figures	Start counting from the first non-zero digit.	
	Tenths Hundredths Thousandths	
Place value	Tens Units $\frac{1}{10}$ $\frac{1}{100}$ $\frac{1}{1000}$	
	10 100 1000	
	• Number between 1 and 10 (not including 10); 0.401×10^{-4}	
Standard Form	• $\times 10;$ 9.401 $\times 10^{-4}$ 4.8 $\times 10^{7}$	
	Power is an integer.	
Sum/Total	The result when numbers are added together.	
Difference	The result when one number is subtracted from from another.	
Product	The result when numbers are multiplied together.	
Evaluate	Find the value; work out.	
Perimeter	Distance around the outside of a shape.	
Right Angle	90°.	
Angles on a Straight Line	Add up to 180°.	
Angles Around a Point	Add up to 360°.	
Angle in a Triangle	Add up to 180°.	
Interior Angles	Angles inside a shape.	
Area	The amount of space inside a 2D shape (measured in squares).	
Units for Area	mm^2 , cm^2 , m^2 , km^2	
Area of a Rectangle	length $ imes$ width	



<u>Quest for Knowledge – Assessment Cycle Two – Maths</u> <u>Big Question: How Can a Number be Presented?</u>

<u>Key Term</u>	Essential Knowledge		
Chinese Method	Put the numbers along the top and right hand side. Multiply each digit. Follow the lines for the position of the Decimal. For example 1.58 x 2.4 = 3.672		
Multiplying Decimals	Multiply each decimal by a power of 10 so as to work with integers. Divide by the same powers of 10 for the answer.		
Dividing Decimals	Multiply both numbers by the same power of 10 until the one you are dividing by is and integer then do the division.		
Index Form	$5 \times 5 \times 5 = 5^{3}$ Index/Exponent Base		
Power/Index	Number of times the base is multiplied by itself.		
Anything to the Power Zero	Is equal to one $(6^0 = 1)$.		
Area of a Square	length ²		
Multiplying With the Same Base	Add the powers: $4^3 \times 4^5 = 4^8$		
Dividing With the Same Base	Subtract the powers: $\frac{6^{10}}{6^2} = 6^8$		
Raising a Power to a Power	Multiply the powers: $(9^2)^4 = 9^8$		
Square (Operation)	Raise a number to the index of 2.		
Cube (Operation)	Raise a number to the index of 3.		
First 15 Square Numbers	1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225		
First 5 Cube Numbers	1, 8, 27, 64, 125		
Square Root $$	Inverse of square. $\sqrt{64} = 8$ because $8^2 = 64$		
Cube Root $\sqrt[3]{27}$ Inverse of cube. $\sqrt[3]{27} = 3$ because $3^3 = 27$			
Volume	Measure of how much 3D space an object occupies.		
Volume of a Cube	l^3 (length cubed)		
Units for Volume	mm ³ , cm ³ , m ³ , km ³ , ml and litres.		
 Order of Operations (BIDMAS) Brackets Indices Division/Multiplication Addition/Subtraction 			
Addition ↔ Subtraction Inverse Operations Multiplication ↔ Division			
	Powers ↔ Roots		
Divisibility Test for 3	Digits add up to a multiple of 3.		
Divisibility Test for 9	Digits add up to a multiple of 9.		
Estimate a Calculation Find an approximate value of a calculation by rounding each va (usually to 1 significant figure).			

<u>Quest for Knowledge – Assessment Cycle Three – Maths</u> <u>Big Question: How Can We Break Up a Number?</u>

<u>Key Term</u>	Essential Knowledge	
Prime Number	An integer with exactly 2 factors, 1 and the prime number itself.	
First 10 Prime Numbers	2, 3, 5, 7, 11, 13, 17, 19, 23, 29	
Highest Common Factor (HCF)	The largest number that is a factor of each number. HCF of 12 and 18 is 6.	
Factor	An integer that divides exactly into another integer with no remainder. 5 and 3 are factors of 15 because $15 \div 5 = 3$	
Multiple	Numbers that appear in another number's times table. These are infinite. $5 \rightarrow 5, 10, 15, 20$	
Lowest Common Multiple (LCM)	The first number that is a multiple of each number. $2 \rightarrow 2, 4, 6, 8$ $3 \rightarrow 3, 6, 9$ LCM is 6.	
Fraction	 2 Numerator: number of parts. 5 Denominator: total number of equal parts the whole is divided into. 	
Proper Fraction	Numerator is smaller than the denominator. $\frac{3}{8}$	
Improper Fraction	Numerator is greater than the denominator. $\frac{13}{7}$	
Mixed Number	An integer plus a proper fraction. $2\frac{3}{4} = 2 + \frac{3}{4}$	
Adding and Subtracting Fractions	Ensure the fractions have a common denominator; add/subtract the numerators; denominators stay the same.	
Multiplying Fractions	Multiply the numerators; multiply the denominators.	
Fractions Equivalent to 1	Numerator and denominator are equal. $\frac{51}{51} = 1$	
Simplifying a Fraction	Cancel out all common factors that divide to make 1. $\frac{18}{30} = \frac{6 \times 3}{10 \times 3} = \frac{6}{10} = \frac{3 \times 2}{5 \times 2} = \frac{3}{5}$	
Equivalent Fractions	Two fractions that represent the same proportion of the whole: $\frac{2}{5} = \frac{4}{10}$	
Dividing Fractions	ns Ensure the fractions have a common denominator; divide the numerators; divide the denominators (which will give you a denominator of 1 as they are equal). $\frac{3}{5} \div \frac{4}{5} = \frac{3 \div 4}{5 \div 5} = \frac{3 \div 4}{1} = \frac{3}{4}$	

<u>Quest for Knowledge – Assessment Cycle Four – Maths</u> <u>Big Question: How Can One Whole Be Shared Out?</u>

<u>Key Term</u>	Essential Knowledge	
_	A number expressed as a fraction over 100.	
Percentage	47	
-	$\frac{11}{100} = 47\%$	
	Divide the numerator by the denominator x 100	
Converting Between	$\frac{50}{100} = \frac{1}{2}$ 0.5 50%	
Fractions, Decimals and	$\frac{100}{100} = \frac{1}{2}$ Fraction 0.5 50% Percentage	
Percentages		
	Put over 100 and simplify $\div 100$	
Calculate 10/		
Calculate 1% Calculate 10%	Divide by 100: 1% of $350 = 3.5$ Divide by 10: 10% of $24 = 2.4$	
100%	The whole amount: 100% of $137 = 137$	
Calculate 50%	Divide by 2: 50% of $18 = 9$	
Calculate 25%	Divide by $4:25\%$ of $40 = 10$	
"Percentage/Fraction <u>of</u> "	Multiply: 15% of 200 = $\frac{15}{100} \times 200$	
	$\frac{\text{New value} - \text{Original value}}{\text{Original value}} \times 100$	
Percentage Change	Original value	
Interest	A percentage fee paid when money is borrowed.	
	How much of one thing there is compared to another.	
Ratio	3 : 5 means "3 parts to 5 parts".	
	Ratios always use equal parts.	
	A pictorial representation of a problem where boxes are used to represent the	
Bar Model	known and unknown quantities. Here is a ratio of 5:3 as a bar model:	
bai model		
Ratio in its Simplest Form	All terms are the smallest possible integer with no common factors other than 1.	
	$3 \rightarrow 3:4 \leftarrow 4 \over 7$	
Fractions/Ratios	$\begin{vmatrix} \frac{3}{7} \\ \hline \end{pmatrix} 3:4 \leftarrow \begin{vmatrix} \frac{4}{7} \\ \hline \end{vmatrix}$	
Milli-	Thousandth (0.001)	
Centi-	Hundredth (0.01)	
Kilo-	Thousand (1000)	
	1 cm = 10 mm;	
Metric Length Conversions	1 m = 100 cm;	
	1 km = 1000 m.	
Metric Weight Conversion	1 kg = 1000 g	
Metric Volume Conversion	1 litre = 1000 ml;	
	$1 \text{ ml} = 1 \text{ cm}^3$	
Directly Proportional	Both quantities increase at the same rate.	
Directly Proportional	If you double one, you double the other.	
	One quantity increases while the other decreases at the same rate	
Inversely Proportional		
Inversely Proportional	One quantity increases while the other decreases at the same rate. If you double one, you half the other.	

<u>Quest for Knowledge – Assessment Cycle One - Science</u>

	Biology Big Question: What are the building blocks of life?
Key Words & Facts	Description Cytoplasm
Plant and Animal Cells	Animal cells contain: nucleus, cell membrane, cytoplasm, mitochondria. Plant cells contain the same organelles as an animal cell however they also contain a cell wall, vacuole and chloroplasts.
Microscopes	The main features of a microscope include; stage, objective lens, eyepiece lens, base, light, arm, fine focus, coarse focus.
Specialised Cell	A specialised cell is where a cell has been differentiated to carry out a particular function. Examples of specialised cells include; red blood cell, nerve cells, egg cells, root hair cells and sperm cells.
Organ systems	Cells – The building blocks of life. Tissues – A group of similar cells working together. Organs – Groups of tissues working together to perform a certain function. Organ systems – A group of organs working together. Organism – A group of several organ systems working together.
Skeleton	The skeleton has 4 main functions; protection, support, movement and blood cell production.
Joints	Types of joints: ball and socket, fixed, hinge, pivot.
Diffusion	Diffusion is the movement of substances from a high concentration to a low concentration.

	Chemistry Big Question: What is everything made up of?
Key Words & Facts	Description
Element	An element is a substance made up of only one type of atom e.g. gold or oxygen.
Compound	A compound is a substance made up of two or more different elements these atoms are chemically bonded e.g. water.
Mixture	A mixture contains two or more substances which are not chemically bonded together and can be physically separated e.g. iron and sulphur can be separated using a magnet.
Periodic Table	A table of chemical elements arranged by atomic number. There are 118 known elements.
Solid	Solids are strong substances where particles are held together closely .
Liquid	Liquids contain particles which are held closely together, they break apart easily therefore cannot hold their own shape but they take the shape of the container.
Gas	Gases contain particles which move around very quickly, they have a lot of space between them and they fill the shape of the container they're in.
Heating and Cooling	Solid → Liquid = Melting Liquid → Gas = Boiling /Evaporation Gas → Liquid = Condensation Liquid → Solid = Freezing
	Physics Big Question: What role does energy have in our universe?
Key Words & Facts	Description
Energy Stores	8 different types of energy store include; light, heat (thermal), kinetic (movement), elastic, sound, gravitational, electrical and chemical. Law of Energy Conservation states that energy cannot be created or destroyed , it can only be transferred .
Thermal Power Station	Coal/gas is burnt, thermal energy is transferred, the thermal energy then heats water, the steam produced turns a turbine (kinetic energy). The turbine is attached to an electric generator, the electricity is then sent via the national grid to your home. Chemical → Thermal; Thermal → Kinetic; Kinetic → Electrical
Renewable vs. Non- Renewable Energy	Renewable energy - Energy from natural resources that is always being replenished/remade , it never runs out. For example, crops grown to make biofuel. Non-renewable energy - Energy from natural resources that cannot be easily replenished/remade , can run out . For example, coal and oil.

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<u>Quest for Knowledge – Assessment Cycle Two - Science</u>

	Biology: Why is light so important for plants and animals?				
Key Words & Facts	Description				
	Pupil : The pupil is the black dot in the centre of your eye and allows light to enter. Iris : This is your eye colour, it is a muscle that controls the size of your pupil and the amount of light that enters your eye.				
The Eye	Lens : The lens is behind the iris and pupil. It works with your cornea to focus the light that enters your eye, much like a camera.				
	Retina: Located at the back of the eye, the retina is a layer of tissue that transforms the light coming into your eye into electrical signals. These signals are sent to the brain where they are recognized as images. Optic nerve: This part of your vision works as the connecting element between the retina and the brain.				
Photosynthesis	Photosynthesis is the process by which plants use sunlight, water, and carbon dioxide to create oxygen and release energy in the form of sugar (glucose). Photosynthesis happens in the leaves of a plant.				
	Carbon dioxide + water → glucose + oxygen.				
Light and Photosynthesis	Light is needed for photosynthesis. If light intensity is lower the rate of photosynthesis will decrease. We can measure the rate of photosynthesis by counting the number of bubbles released per minute.				
Hypothesis	Hypothesis - A hypothesis is an idea about how something works that can be tested using experiments.				
Independent Variable	The variable that is changed during an experiment.				
Dependent Variable	The variable that is measured in an experiment.				
Control Variable A variable which must be kept the same.					

Chemistry: How are materials cycled on Earth?					
Key Words & Facts Description					
	Crust - relatively thin and rocky.				
Companya of the Family	Mantle - has the properties of a solid, but can flow very slowly.				
Structure of the Earth	Outer core - made from liquid nickel and iron.				
	Inner core - made from solid nickel and iron				
	A volcano is an opening in the Earth's crust. It allows hot magma, ash and gases to escape from below the				
Volcanoes	surface.				
	Igneous – formed when magma (lava) cools.				
Types of Rock	Sedimentary – formed as layers of sediment are squashed together under huge pressure.				
	Metamorphic – formed when pre-existing rock is exposed to high heat and pressure.				
	The Earth's rocks are continually changing due to process such as weathering, erosion and large earth				
Rock Cycle	movements.				
	Rock formation is dependent on variations of heat and pressure.				

	Physics: What does light do?
Key Words & Facts	Description
	When light reaches a mirror, it reflects off the surface of the mirror:
Reflection	The incident ray is the light going towards the mirror
KEHECHUH	The reflected ray is the light coming away from the mirror
	The law of reflection states that the angle of incidence equals the angle of reflection, i = r.
	Light waves change speed when they pass across the boundary between two substances with a
	different density , such as air and glass.
	This causes them to change direction, an effect called refraction.
Refraction	At the boundary between two transparent substances:
	the light slows down going into a denser substance;
	the light speeds up going into a less dense substance, and the ray bends away from the normal.
	Primary colours of light: red, green and blue.
12	Secondary colours of light: yellow, cyan and magenta.
Light	Objects that look white reflect all of the colours of the spectrum.
	Objects that look black absorb all of the colours of the spectrum.

<u>Quest for Knowledge – Assessment Cycle Three - Science</u>

	Biology: How do different organisms reproduce?						
Key Words & Facts Description							
Physical changes are called puberty .							
Human Reproduction	Puberty takes place between the ages of 9 and 14 in most people. Puberty usually takes place earlier in						
	girls than it does in boys.						
	The foetus relies upon its mother as it develops. It needs protection against knocks, bumps and temperature						
Development of Foetus	changes; oxygen and nutrients (food and water).						
	The developing foetus also needs its waste substances removing.						
	The uterus and the amniotic fluid, a liquid contained in a bag, protect the foetus.						
	The menstrual cycle is approximately a 28-day cycle that prepares the female body for pregnancy.						
Menstrual Cycle	During the process, the lining of the uterus is prepared for pregnancy. If implantation of the fertilised egg						
	into the uterus lining does not happen, the lining is then shed. The cycle then repeats.						
	Flowering plants reproduce sexually through a process called pollination . The flowers contain male sex organs called stamens and female sex organs called pistils .						
Plant Reproduction	Stamen consists of the anther and filament.						
	Pistil consists of the stigma, style, ovary and ovule.						
	The nucleus contains chromosomes , chromosomes contain strands of DNA .						
Genetic Variation	Variation can be caused either by our DNA (genetic) or by our surroundings (environmental).						
	It can also sometimes be caused by both.						
	Plants disperse their seeds in lots of different ways. Some seeds are transported by the wind and are						
	shaped to float, glide or spin through the air.						
	Plants growing near a river may use the flowing water to transport their seeds.						
Seed Dispersal	Some seed pods are designed to explode and throw the seeds a good distance from the parent plant.						
	Many plants also use animals to carry their seeds. This type of seed may have handy hooks which attach						
	to an animal's fur. Alternatively, the plants might make tasty fruit to enclose the seeds,						
	which attract animals to eat them.						
	Chemistry: How can we separate mixtures?						
Key Words & Facts	Description						
	Solubility is the maximum mass of solute that dissolves in a certain volume of solvent.						
Solubility	A solute is a substance that can dissolve in a liquid						
	A solvent is a substance, normally a liquid that dissolves another substance .						
F *1*	Filtration is when we take a mixture and pass it through a material that will separate part of it from the						
Filtration	rest (often a liquid and a solid). The left over solid is called the residue . The left over liquid is called the filtrate .						
Distillation and	Evaporation is defined as the process of a liquid changing into a gas.						
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<u>Quest for Knowledge – Assessment Cycle Four - Science</u>

Biology: What is the most important factor within an ecosystem?						
Key Words & Facts Description						
Food Chains and Food Webs	A food chain is a diagram that shows what an organism eats. It also shows the transfer of energy between organisms. A food web is a set of linked food chains. Food webs show the feeding relationships of organisms more realistically than food chains. Organisms in a food web depend on each other for survival. They are interdependent.					
Predator-Prey Relationships	A predator is an animal that hunts, kills and eats other animals for food. A prey is an organism that predators kill for food. Predator/prey relationships can be illustrated in a food chain or food web. If the prey population in an ecosystem grows, predator numbers will respond to the increased food supply by increasing as well. Growing predator numbers will eventually reduce the food supply to the point where it can no longer sustain the predator population and so on.					
Distribution of Organisms	The distribution of an organism is where that species is found within a habitat. Distribution can be investigated using a quadrat. The availability of light can impact distribution.					

	Chemistry: How do different chemicals react?				Acid	dic ^	7	The PH	Scale	ð	Alkal	ne	
Key Words & Facts	Description	0	1	2	3	4	5	6	7 8	9	10 1	12	13 14
Acids and Alkalis	The pH scale tells us how acidic or alkaline a substance is. Acids have a pH of 0-6 and Alkalis have a pH of 8-14. Neutral substances have a pH of 7.		1	Į				Nei	utral				
Indicators and pH Scale	nd pH Universal indicator changes colour to show the strength of an acid or alkali. Litmus paper changes colour to identify if something is acid or alkali.												
Structure of the Atom Atoms contain protons, neutrons and electrons. The electrons are arranged in shells around The protons and neutrons are found in the nucleus at the centre of the atom.					the r	ucl	eus.						
Metals react with oxygen to form metal oxidMetal + Oxygenmetal + oxygen → iAn example is magnesium + oxygen		l oxide											
A process in which iron and steel react with oxygen and water. There are several ways to prevent steel rusting. Some of these work because they stop oxygen or water reaching the surface of the These methods include: Rusting oiling - for example, bicycle chains; greasing - for example, nut and bolts; painting - for example, car body panels; coating with a thin layer of plastic.													

Physics: What is the power of waves?									
Key Words & Facts	rds & Facts Description								
Introduction to Waves	Waves transfer energy. There are two types of wave: transverse and longitudinal. Longitudinal waves have compressions and rarefactions; compressions are regions of high pressure due to particles being close together; rarefactions are regions of low pressure due to particles being spread oscillations further apart. Transverse waves have peaks and troughs.								
Sound Waves	A vibration produces a sound wave. Sound waves are longitudinal. The oscillations are in the same direction as the wave. Sound cannot travel through empty space , a vacuum, because there are no molecules to vibrate. Sound travels faster through liquids and solids than it does through air and other gases.								
Electromagnetic Spectrum	Electromagnetic waves are transverse waves made up of electric and magnetic fields. Different electromagnetic waves carry different amounts of energy. The amount of energy carried by an electromagnetic wave depends on the wavelength: the shorter the wavelength, the higher its energy. The order of the electromagnetic spectrum is: gamma ray; x-ray, ultraviolet; visible; infrared; microwave; radio.								

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Quest for Knowledge – Assessment Cycle One and Two - History Big Question: What Were the Biggest Turning Points in England Between 1000 & 1250?

w	Key Content	Description
	Witan	A council of noblemen and churchmen who advised the king and chose a new king when he died.
1	Harold	As Sub-Regulus and Earl of Wessex – he was the closest advisor to Edward the Confessor and richest man
	Godwinson	in England.
	Edgar Atheling	Edward the Confessor's great nephew and closest blood relative to the throne.
	William of Normandy	Powerful and ruthless Duke of Normandy who believed Edward the Confessor promised him the throne who believed he was promised the throne in the Embassy of 1064.
	Harold Hardrada	Related to Viking King of England Harthacnut – Led 15,000 Viking warriors.
	185 miles	The distance Harold Godwinson marched in five days to lead the fight against Harald Hardrada.
	Fyrd	Part-time soldiers called up in time of war to defend their local area.
2	14 th October 1066	The Battle of Hastings.
	Housecarls	Well trained professional Anglo-Saxon soldiers.
	Shield Wall	Common Medieval defensive tactic of linking shields to make attacking difficult.
	Feudal System	The king owns all the land but lends it to those below him in return for loyalty, soldiers and tax.
	King	Top of the Feudal System, although later replaced by the Pope in Rome.
	Barons	Controlled large estates of land in return for loyalty and armies for the king.
3	Knights	Controlled smaller areas of the barons' land in return for fighting in the barons' armies.
	Peasants	Did all the work and provided produce and taxes in return for protection from the knights.
	Motte	A man-made hill upon which many Norman castles were built.
	Bailey	A castle courtyard surrounded by a defensive wall.
	500	The number of castles built during William the Conqueror's reign.
	Rebellion	The north of England was particularly difficult to control and rebellion broke out there in 1069.
	Edwin & Morcar	Brothers in Law of Harold Godwinson and powerful earls – often rebelled against William the Conqueror.
4	60%	Percentage of the land in the north considered wasteland 20 years after the Harrying of the North.
	100 000	According to Orderic Vitalis, 100 000 people died in the Harrying of the North.
	Archbishop of Canterbury	The most important bishop in Medieval England – had a lot of political power.
5	Thomas Becket	Archbishop of Canterbury from 1162, until his murder on 29 th December 1170.
	Henry II	King of England between 1154 and 1189 and personal friend of Thomas Becket.
	Penance	A punishment intended to make up for a wrong.
	4	The number of knights who burst into Canterbury Cathedral and stabbed Thomas Becket to death.
	Magna Carta	King subject to law, no free man to be locked up without trial by jury, Great Council to advise the king.
6	King John	Nicknamed 'Lackland', he was an unpopular king who fought many unsuccessful wars.
_	Runnymede	The barons forced King John to sign the Magna Carta at Runnymede.
	Robert Fitzwater	The elected leader of the barons.
	Source	Evidence from the past, such as letters, diaries, photographs, as sources.
8	SNOP	Source Content, Nature, Origins (Where and when is it from? Who created it) and Purpose (Why was it made?).
	Interpretation	When a historian writes their opinion of what happened in the past, it is an interpretation.
	Historiography	The study of interpretations of the past.
_	Local History	History in and around the area within a few miles of Q3 Academy Langley.
9	, National History	The history of the United Kingdom as a whole.

Quest for Knowledge – Assessment Cycle Three and Four - History Big Question: What Was the Most Significant Change During the Renaissance?

w	Key Content	Description					
	Black Death	Epidemic that arrived in England in 1348 and killed $1/3$ of the population.					
	Black Death Causes	Imbalance of the Four Humours; God; Alignment of planets; Miasma (bad airs).					
1	Flagellants	People who believed whipping themselves would make God stop the Black Death.					
	Black Death Treatments	Rubbing the victims' body with a chicken; Leeches; Praying; Flagellation.					
	Renaissance	The new age of reason and logic which emerged after the Dark Ages.					
	Printing Press	Johannes Gutenberg invented a printing press in 1440 which could print 1000 pages a day.					
	Galen	Important physician from Roman times whose inaccurate ideas about medicine persisted for a long time and went unchallenged.					
2	Vesalius	Anatomist who, in 1543, illustrated a book on human anatomy called On the Fabric of the Human Body which was accurate and contradicted Galen.					
	Four Humours	Theory which states that four substances in the body caused illness if they were out of balance.					
	Letters of Indulgence	A document you bought from the Church to reduce the time spent in purgatory.					
	Reformation	Renaissance ideas about reforming the Catholic Church.					
3	Catholic	The Church based in Rome and headed by the Pope, and believers of this church.					
ן ֿ ן	Protestant	Churches inspired by Luther and set up in opposition to Catholicism, and believers of such churches.					
	Transubstantiation	The Catholic idea that bread and wine taken at mass transforms into Jesus' blood and flesh.					
	95 Thesis or Points	Martin Luther nailed 95 Points to the church door in Wittenberg.					
	Purgatory	Catholics believe there is a place between death and heaven where you spend some time waiting and suffering before being given entry to heaven.					
\square	Heresy	To say or think things which go against a religion. This would make you a heretic.					
1	Six Articles	1539 law which returned many Catholic practices to the English Church.					
	Act of Supremacy 1534	Law which made Henry head of the church in England, instead of the Pope.					
4	Excommunication	This means to be excluded from the Catholic Church and heaven.					
	Henry's Great Matter	Henry's need to have a son – which began the English Reformation.					
Щ	1536	Henry VIII orders the Act of Suppression which begins the Dissolution of the Monasteries.					
	Valor Ecclesiasticus	Thomas Cromwell orders a survey into the wealth and corruption of the Church in 1536.					
5	Monastery	Religious buildings which would pray for the spiritual health of the community and provide charity (alms), health and hospitality.					
\square	Monks & Nuns	Monks & nuns chose a holy life of poverty (no money), chastity (no sex) and obedience.					
	Act of Suppression	1536 act with began the Dissolution of the Monasteries.					
	Pilgrimage of Grace	An uprising mainly in the north of England against Henry's English Reformation.					
6	Robert Aske	Leader of the 1536 Pilgrimage of Grace.					
	24 Articles	The demands of the Pilgrimage of Grace.					
	27 000	Estimated size of the Pilgrimage when it faced the Duke of Norfolk at Doncaster.					
	Source	Evidence from the past, such as letters, diaries, photographs, as sources.					
8	SNOP	Source Content, Nature, Origins (Where and when is it from? Who created it) and Purpose (Why was it made?).					
	Interpretation	When a historian writes their opinion of what happened in the past, it is an interpretation.					
	Historiography	The study of interpretations of the past.					
	Local History	History in and around the area within a few miles of Q3 Academy Langley.					
9	National History	The history of the United Kingdom as a whole.					
		<u> </u>					

Quest for Knowledge – Assessment Cycle One and Two - Geography Big Question: What Are Fantastic Places?

		<u>DIG QUESTION: What A</u>							
1	Continents	A continent is a large land mass. There are 7 in the world; Africa, Asia, Antarctica, Europe, North America, South America and Oceania.	Arctic Ocean North America North North						
2	Oceans	An ocean is a large expanse of water. There are 5 in the world; Indian, Pacific, Atlantic, Southern and Arctic Ocean.	Pacific Ocean Pacific Ocean South America South Atlantic Ocean South Atlantic Ocean Ocean Ocean Ocean						
3	Physical Geography	Physical geography is the study of natural environments and landforms.	Southern Ocean						
4	Human Geography	Human geography is the study of societies, cultures and economies.	twinkl.co.uk Antarctica						
5	Environmental Geography	Environmental geogra	phy is the study of how humans impact the Earth.						
6	Compass	A compass is a tool for finding direction.	The four main points of the compass are north, east, south and west.						
7	Grid References		helps the map-reader to locate a place. There are four figure grid ces and six figure grid references.						
8	Contour Lines	Contours are brown lines drawn on maps that join places of the same height. They can be used to see the relief (height and shape) of the land.							
9	Scale	Scale refers to the relationship (or ratio) between distance on a map and the actual distance on the ground.							
10	India	A country in southern Asia. It has the world's biggest population.							
11	Latitude	Lines of latitude are used to find out how far north or south a place is. These lines run parallel to the Equator.							
12	Longitude	Lines of longitude are used find out how far east or west a place is. These lines run from the top of the Earth to the bottom, they meet at the north and south poles.							
14	Social	Social refers to pe	ople, for example education and healthcare.						
15	Economic	Economic refers	to money, for example jobs and businesses.						
16	Environmental	Environmental refers to the natural area	or landscape, for example, ensuring that toxic waste is cleared up.						
17	Population	Population is	the number of people in a certain area.						
18	Population Change	Population numbers change over time, i	nfluenced by births, deaths and migration into or out of the area.						
19	Economy		ealth, it involves the way in which goods and services are sold and used in a country or area.						
20	Economic Developmen t	Economic development is the increase in the standard of living as a result of countries becoming richer.							
21	Migration	Migration is the movement of people from one permanent location to another.							
22	Rural	Areas which are less den	sely populated, also considered as the countryside.						
23	Urban	An urban area is a built-up ar	ea such as a town or city, with higher population density.						
24	Urbanisation	Urbanisation is the increase	in the proportion of people living in towns and cities.						
25	Industry	Industry is any economic activity which creates jobs and generates income. All industry is made up of four sectors: primary (extracting raw materials), secondary (manufacturing raw materials into products), tertiary (providing a service) and quaternary (hi-tech) industry. 2							

Quest for Knowledge – Assessment Cycle Three and Four - Geography Big Question: What Makes Britain Beautiful?

		Big Question: What Makes Britain B					
1	British Isles	The British Isles lie off the north-western coast of continental Europe. They include two main islands, Great Britain and Ireland; and many smaller islands off their coasts.	The British Isles;				
2	United Kingdom	The United Kingdom (U.K.), consists of England, Scotland, Wales and Northern Ireland.	Scotland Northern Ireland				
3	Great Britain	Great Britain is the official collective name of England, Scotland and Wales and their associated islands.	Republic of Ireland Wales England				
4	Geology	Geology is the study of the physical features and history of Earth.					
5	Igneous Rock	Igneous rocks are formed from magma (molt	en rock) that has cooled and solidified.				
6	Metamorphic Rock	Metamorphic rocks are formed from other rocks th	at are changed because of heat or pressure.				
7	Sedimentary Rock	Sedimentary rocks are formed from the broken rer become joined					
8	Weathering	Weathering is the breakdown of rocks at the Earth's surface, by the action of rainwater, extremes of temperature and biological (plant or animal) activity.					
9	Erosion	Erosion is the wearing away of rock and soil. There are four different types of erosion that may occur in a river: hydraulic action, abrasion, attrition and solution.					
10	Transportation	The movement of sediment which is carried downstream or across oceans. There are four different types of transportation: suspension, saltation, solution, and traction.					
11	Deposition	When material that has been weathered, eroded a	and transported is dropped in a new location.				
12	Glacier		a slowly moving river of ice, formed by the build up and compaction of snow on mountains or near the poles.				
13	Corrie	A corrie is an armchair shaped hollow high on a mountain with steep back and side walls.					
14	Air Mass	An air mass is a large volume of air which travels from one area to another.					
15	Prevailing Wind	Prevailing winds are the dominant wind direction in an area. In the UK it is south west.					
16	River Source	The source is where the river begins. This is usua	lly a location situated on hills or mountains.				
17	River Mouth	The mouth of a river is the place where	a river enters a sea, ocean or lake.				
18	Waterfall	Waterfalls often form in the upper course of a river erodes soft rock more quickly than hard rock and t sudden vertical drop in	his may lead to the creation of a waterfall, a				
19	Gorge	A steep-sided valley is left where the waterfall or upstrea					
20	Plunge Pool	A plunge pool is found at the bottom of	a waterfall. It is formed by erosion.				
21	Meander	A meander is a bend in the river. Meanders usually formed by erosion a					
22	Population Density	The number of people living in a certain	n area per square kilometre (km²).				
23	Internal Migration	The movement of people from one regi	on of a country to another region.				
24	Population Pyramid	Population pyramids are graphs that show populatic females of different age groups are					

<u>Quest for Knowledge – Assessment Cycle One and Two – R.S</u> <u>Big Question: What Are the Key Beliefs That Underpin the Christian and Muslim faith?</u>

	Key Words	Description				
1	Covenant	An agreement or promise God makes with humans.				
2	Abraham	Abraham was willing to sacrifice his son, Isaac, and was rewarded by God for his loyalty with descendants and land.				
3	Descendant	A descendant is a person born in a direct biological line. For example, a person's children, grandchildren, and great-grandchildren are their descendants.				
4	Resurrection	Jesus rose from the dead three days after his death.				
5	Incarnation	The idea of God becoming flesh, as Jesus.				
6	Prophecy A prediction or estimation about the future. Jesus' birth was foretold in a prophecy.					
7	Divine	Holy or religiously special. Christians believe Jesus showed a divine nature.				
8	Set Prayer	These are traditional prayers that are always the same and never change.				
9	Holy Week	The last week of Jesus' life. Jesus shared a last meal with his disciples on Maundy Thursday. He was crucified on Good Friday by the Romans. Christians believe he was resurrected on Easter Sunday to show the triumph of good over evil.				
10	Salvation	Christians believe Jesus died to save them of their sins and to grant them eternal life in Heaven.				
11	Atonement	Humans reconciling and restoring their relationship with God.				
12	Sacrament A religious act whereby Christians believe they receive the grace or gift of God.					
13	Worship Christians show praise and commitment to God through acts of worship such as praying; singing an carrying out religious duties.					
14	A place of worship for Christians. The Church is where religious ceremonies are performed a					
15	The Lord's Prayer	When the disciples asked how they should pray, Jesus taught them this set prayer. It talks about forgiveness and guidance.				
16						
17	Prophet Muhammad	The Prophet was born in 570AD. He was orphaned and raised by his uncle and he worked as a trader. He married his wife Khadijah. The Qur'an was revealed to him on the Night of Power.				
18	Revelation	Revealing or communicating divine truth.				
19	The Night of Power	On this night, Angel Jibril revealed the words of the Qur'an to the Prophet Muhammad. These revelations continued over the next 23 years.				
20	Hadith	Collection of teachings from the Prophet Muhammad.				
21	Qur'an Muslim holy book, that is treated with great respect. It should be kept in the highest place and never touch the floor.					
22	Five Pillars of Islam	 Five key practices that Muslims should fulfil as part of their duty, including: Shahadah – declaration of faith, Salat – praying five times a day, Zakat – donating 2.5% of their annual wealth to charity, Sawm – fasting, Hajj – a pilgrimage to Mecca. 				
23	Eid-ul-Fitr	A festival to mark the end of Ramadan, where Muslims would have fasted for a month.				
24	Eid-ul-Adha	A festival celebrated following the completion of the fifth pillar of Islam (Hajj). 23				

<u>Quest for Knowledge – Assessment Cycle Three and Four – R.S</u> Big Question: What Are the Key Beliefs That Underpin the Sikh and Buddhist faith?</u>

	Key Words	Description			
1	Guru	A religious teacher.			
2	Guru Nanak	The founder of Sikhism. Guru Nanak grew up surrounded by Muslims and Hindus, and was said to have been a special child. He went to the river to bathe and did not return for three days. He had communicated with God and this experience encouraged him to go and teach others about Sikhism.			
3	Caste System	This was a system that categorised people under their social hierarchy. Guru Nanak opposed this.			
4	Guru Gobind Singh	The tenth, and final human Guru. Guru Gobind Singh nominated the Guru Granth Sahib to become the eternal Guru. He created the Khalsa and 5 K's.			
5	Guru Granth Sahib	Holy book in Sikhism.			
6	Mool Mantar/Mantra	The first page of the Guru Granth Sahib, a set of beliefs Sikhs have about God.			
7	lk Onkar	'There is only one God.'			
8	Nirgun	Means without physical form, quality or merit. When referring to God, it simply means without physical form.			
9	Sargun	Means with physical form, quality or merit. When referring to God, it means supreme form.			
10	Reincarnation	The idea that after death the soul will be reborn into another form, depending on karma.			
11	Panj Piare	The Beloved Five – the first five members of the khalsa, who were willing to sacrifice their lives for the God and their Guru.			
12	Khalsa	A group of initiated Sikhs who have undertaken the Amrit Sanskar ceremony. They will wear the Five K's and change their last name.			
13	Five K's	Five items Sikhs may wear as an outward symbol of their faith: kesh, kanga, kachera, kirpan and kara.			
14	Gurdwara	Sikh place of worship.			
15	Langar	A free kitchen in the Gurdwara, that serves food to all. Set up by Guru Nanak.			
16	Vaisakhi	A festival to show gratitude and thanks. It also remembers the beginning of the Khalsa.			
17	Diwali	Sikh festival to remember Guru Hargobind who freed 52 prisoners.			
18	Waheguru	Literally means the Wonderful Lord. God has many names in Sikhism, but Waheguru is most commonly used.			
19	Siddhartha Gotama	Siddhartha Gotama was born as a Prince, there was a prophecy that he would be a great ruler or holy teacher. His father kept him in the palace to ensure the prophecy would come true.			
20	Four Sights	When Buddha left the palace, he saw four things that he had never experienced before. He saw: a holy man; a sick man; dead man and old man.			
21	Ascetic	Someone who practices self-denial.			
22	Enlightenment	A state of perfect knowledge and wisdom.			
23	Four Noble Truths	1. Everyone will experience suffering. 2. This comes from desire. 3. It is possible to stop suffering and achieve enlightenment. 4. Buddhists should follow the middle way to achieve this.			
24	Middle Way	Living a life in between luxury and self-denial.			
25	Eightfold Path	The Eightfold Path is a set of guidelines for Buddhists to live by, that should lead to the end of suffering.			
26	Five Moral Precepts	1. Do not harm living beings. 2. Do not take things that are not freely given. 3. Do not behave in a sexually improper way. 4. Do not speak untruthfully. 5. Do not cloud the mind with drugs and alcohol.			
27	Samsara Cycle	The cycle of life, death and rebirth.			
28	Wesak	Also called 'Buddha Day', celebrates the birthday of the Buddha. Some may also remember his enlightenment and death.			

<u>Quest for Knowledge – Assessment Cycle One - French</u> <u>Big Question: Comment est la vie scolaire ?</u> What is school life like?

Key Verbs	Meaning in English	Key Infinitive Verbs	Meaning in English	
J'aime	l like	étudier	to study	
Je n'aime pas	l don't like	porter	to wear	
J'adore	l'adore l love aller ¹		to go	
Je déteste	l hate	¹ These verbs are irregular.		
Je préfère	l prefer	Key Conjunctions	Meaning in English	
C'est	It is	et	and	
lls/elles sont	They (masc/fem) are	mais	but	
J'étudie I study		car	because	
,		Key Adjectives	Meaning in English	
Je mange	l eat	_ intéressant(e)	interesting	
Je joue	l play	amusant(e)	fun	
Je porte	l wear	grand(e)*	big	
J'ai	l have	petit(e)*	small	
		nul(le)	rubbish	
Je vais	l go	énorme	enormous	
ll y a	There is / are	ennuyeux/ennuyeuse	boring	

* These adjectives go before the noun they describe.

Key Grammar	Rule			
Use of Definite Articles	 The definite article is used when we are talking about a specific noun. Ie is for masculine nouns; Ia is for feminine nouns; I' is for masculine or feminine nouns that begin with a vowel or some words that begin with a h; Ies is for plural nouns - when there is more than one item. 			
Use of Indefinite Articles We use indefinite articles before the noun when we are talking about s that's not specific. a/an = un (masculine) / une (feminine)				
Adjectival AgreementIn French, adjectives must agree with the nouns they are describing, that they have to show if they are masculine or feminine and singu plural to match the noun.				
Position of AdjectivesIn French, unlike in English, most adjectives come after the noun they ar describing, e.g. un stylo violet (a purple pen), un sport ennuyeux (a bori				
Infinitive Verbs	An infinitive is a verb taken directly from the dictionary in its original form. Infinitives are the basic form of a verb, before any changes for tense or people are made, like to play or to do. 25			

<u>Quest for Knowledge – Assessment Cycle Two - French</u>

Big Question: Qui suis-je? Who am l?

Key Verbs		Mea	ning in English	
Je suis			lam	
II est / elle est		F	te is / she is	
On est		We	are (informal)	
J'ai			l have	
ll a / elle a		Не	has / she has	
On a		We	have (informal)	
Je vais			l go	
ll va /elle va		He ç	goes / she goes	
On va	We go (informal)			
Je fais	l do			
ll fait / elle fait	He does / she does			
On fait		We	e do (informal)	
Je joue / on joue		l p	lay / we play	
Key Infinitive Ve	erbs	Mea	ning in English	
jouer			to play	
faire ¹			to do	
avoir ¹			to have	
être ¹			to be	
¹ These verbs are	irregul	ar.	1	

' These verbs are irregular.			
Key Adverbs	Meaning in English		
aussi	also		
vraiment	really		

Key Adjectives	Meaning in English
préféré(e)	favourite
prochain(e)	next
méchant(e)	mean
content(e)	happy
triste	sad
agréable	pleasant / nice
timide	shy
sympa	nice
beau* / belle*	beautiful
travailleur / travailleu	use hardworking
heureux / heureuse	e happy
paresseux / paresseu	use lazy
sérieux	conscientious
* These adjectives go befor	re the noun they describe.
Key Vocabulary	Meaning in English
un père	a dad
un frère	a brother
une mère	a mom
une sœur	a sister
des parents	parents
mon	my (masculine)
ma	my (feminine)
	my (plural)

très	very	mes	my (plural)		
Key Grammar	Rule				
The Near Future tense	The futur proche (near future) tense describes what is going to happen with certainty. Forming the near future tense: To form the futur proche, use the present tense of aller (to go) plus an infinitive . E.g. Je vais jouer au foot. I'm going to play football.				
Infinitive. E.g. Je vals jouer au root. I in going to play rootball.To say 'not', use ne and pas, on either side of the conjugated verb.Use n' before a vowel or 'h'. In the present tense, they are placed a the main verb in the sentence:Subject + ne or n' + conjugated verbE.g. Je n'ai pas de frère. I do not have a brother.					

<u>Quest for Knowledge – Assessment Cycle Three - French</u>

Big Question: Comment est ta vie quotienne ? What is your daily life like?

Key Verbs	Meaning in English			
Je mange	l eat			
Je bois	l drink			
Je prends	l take			
Je fais			l do	
Je quitte			lleave	
Je rentre			go back	
J'habite			l live	
Je me lève			get up	
Je me lave	l wash (myself)			
ll y a	There is / there are			
ll fait +	It is (only when discussing the			
weather	weather)			
Je voudrais		١v	ould like	
J'aimerais		١v	vould like	
Ce serait	lt would be			
Key Conju	nctions		Meaning in Engl	is
cepend	lant		however	
OU			or	
Key Adve	erbs	Μ	eaning in English	
assez			quite	

	Key Infinitive Verbs	Meaning in English
	manger	to eat
	boire	to drink
	prendre	to take
	habiter	to live
	Key Vocabulary	Meaning in English
	français(e)	French
	la France	France
	anglais(e)	English
	l'Angleterre	England
	Key Adjectives	Meaning in English
	préféré(e)	favourite
	• •	
	mauvais(e)*	bad
	• • •	bad healthy
	mauvais(e)*	
	mauvais(e)* sain(e)	healthy
7	mauvais(e)* sain(e) végan(e)	healthy vegan
]	mauvais(e)* sain(e) végan(e) végétarien(ne)	healthy vegan vegetarian
	mauvais(e)* sain(e) végan(e) végétarien(ne) bon(ne)*	healthy vegan vegetarian good
	mauvais(e)* sain(e) végan(e) végétarien(ne) bon(ne)* frais / fraîche	healthy vegan vegetarian good fresh
	mauvais(e)* sain(e) végan(e) végétarien(ne) bon(ne)* frais / fraîche fatigué(e)	healthy vegan vegetarian good fresh tired

Key Grammar

Rule

Comparative	other, e as Sara The com (than) o The wor	 Adjectives and adverbs can be used to compare things or people with each other, eg John is taller than Peter → Peter is smaller than Henri → Henri is as tall as Sarah. The comparative is used when expressing terms such as: more (than), less (than) or as (as). The words in French are: E.g. Le poisson est plus sain que les frites. plus (que) → more (than) 				
moins (que) \rightarrow less (the				•		
The Partitive Article	quantity	of something	. In French	articles and are used to re , the partitive article is for able shows how the combin	rmed with de ('of	
Anice		masculine	feminine	before a vowel or silent h	plural	
$de + le \rightarrow du$ $de la$ $de l'$				de l'	de + les \rightarrow des	

<u>Quest for Knowledge – Assessment Cycle Four - French</u>

Big Question: Quel est ton divertissement préféré ? What is your favourite entertainment?

Key Verbs	Mea	ning in English	
J'écoute	l listen		
Je regarde		l watch	
Je joue		l play	
ll / elle joue	Н	e / she plays	
On joue	We	play (informal)	
Je fais		l do	
ll / elle fait	Н	e / she does	
On fait	We do (informal)		
Je suis	l am		
ll est / elle est	ŀ	He is / she is	
On est	We	e are (informal)	
Key Infinitive Verbs		Meaning in English	
écoute	er	to eat	
regard	er	to drink	
Key Adverbs		Meaning in English	
beauco	up	however	
très		but	
trop		also	
parce q	ve	because	

Key Adjectives	Meaning in English
préféré(e)	favourite
génial(e)	great
actif / active	active
facile	easy
difficile	difficult
dangereux	dangerous
passionnant	exciting
populaire	popular
sportif / sportive	sporty
drôle	funny

Key Vocabulary	Meaning in English
un film d'action	an action film
une émission	a TV programme
la musique	music
le sport	sport
jouer au foot	to play football
faire de la natation	to go swimming
faire une promenade	to go for a walk
faire du vélo	to go cycling

Key Grammar	Rule			
Preposition « à »	Talking about playing a sport or computer game. If you're talking about playing a sport or a computer game, you use the phrase jouer à . The à changes depending on whether the noun is masculine, feminine or plural.			
-	masculinefemininebefore a vowel or silent hpluralà + le → auà laà l'à + les → aux			
Key Facts				
Le 14 juillet The storming of the Bastille on July 14, 1789 has been commemorated in France for more than a century. It marked the beginning of the French Revolution, and is now a national holiday. It is celebrated with a mixture of solemn military parade and fireworks. In Paris, the traditional military parade on the Champs-Elysées is meticulously planned spectacle, and is televised all over the country.				

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<u>Quest for Knowledge – Assessment Cycle One - Spanish</u>

Big Question: ¿Cómo es la vida escolar? What is school life like?

Key Verbs	Meaning in English
Me gusta	l like
No me gusta	l don't like
Me encanta	l love
Odio	l hate
Prefiero	l prefer
Es	lt is
Son	They are
Estudio	l study
Como	l eat
Juego	l play
Llevo	l wear
Tengo	l have
Voy	l go
Hay	There is / there are

Key Infinitive Verbs	Meaning in English
Estudiar	To study
Llevar	To wear
lr	To go

Key Adjectives	Meaning in English
Interesante	Interesting
Divertido(a)	Fun
Grande	Big
Pequeño(a)	Small
Enorme	Enormous
Aburrido(a)	Boring

Key Conjunctions	Meaning in English
У	and
pero	but
porque	because

Key Grammar	Rule
Use of Definite Articles	The definite article is used when we are talking about a specific noun. el is for masculine nouns; la is for feminine nouns; los is for plural masculine nouns - when there is more than one item. las is for plural feminine nous - when there is more than one item.
Use of Indefinite Articles	We use indefinite articles before the noun when we are talking about something that's not specific. a/an = un (masculine) / una (feminine)
Adjectival Agreement	In Spanish, adjectives must agree with the nouns they are describing, which means that they have to show if they are masculine or feminine and singular or plural to match the noun.
Position of Adjectives	In Spanish, unlike in English, most adjectives come after the noun they are describing. E.g. un boli morado (a purple pen); un deporte aburrido (a boring sport).
Infinitive Verbs	An infinitive is a verb taken directly from the dictionary in its original form. Infinitives are the basic form of a verb, before any changes for tense pronouns are made. E.g. to play or to do.

<u>Quest for Knowledge – Assessment Cycle Two - Spanish</u>

Big Question: ¿Quién soy? Who am l?

Key Verbs	M	eaning in English	Key Infinitive Verbs	Meaning in English
Soy		lam	Jugar	To play
Es		He is / she is	Hacer	To do
Somos		We are	Tener	To have
Tengo		l have	Ser	To be
Tiene	ł	He has / she has	Kov Adiantivas	Meaning in English
Tenemos		We have	Key Adjectives	
Voy		l go	Favorito(a)	Favourite
Va	H	e goes / she goes	Próximo(a)	Next
			Travieso(a)	Mean
Vamos		We go	Feliz	Нарру
Hago		l do	Triste	Sad
Hace	He	e does / she does	Amable	Kind / nice
Hacemos		We do	Tímido(a)	Shy
Juego/Jugamos	Juego/Jugamos I play / we		Simpático(a)	Nice
			Bonito(a)	Beautiful
Key Vocabul	ary	Meaning in English	Trabajador(a)	Hardworking
Un padre		A dad	Contento(a)	Нарру
Un herman	0	A brother	Perezoso(a)	Lazy
Una madr		A mum	Serio(a)	Serious
Una herma		A sister	Key Adverbs	Meaning in English
Los padre		Parents	También	Also
Mi	-	My	Realmente	Really
Mis		My (plural)	Μυγ	Very
1411.2			Bastante	Quite

Key Grammar	Rule		
The Near Future Tense	The near future tense describes what is going to happen with certainty. Forming the near future tense: To form the near future, use the present tense of ir (to go) plus an infinitive .		
The Negative Form	To say 'not', use no. No usually goes before the verb. E.g. No tengo hermanos; Mi hermano no es alto.		

<u>Quest for Knowledge – Assessment Cycle Three - Spanish</u>

Big Question: ¿Cómo es tu vida diaria? What is your daily life like?

Key Verbs	Meaning in English
Como	l eat
Bebo	l drink
Tomo	l take
Hago	l do
Dejo	l leave
Vuelvo	l go back
Vivo	l live
Me levanto	l get up
Me lavo	l wash (myself)
Ηαγ	There is / there are
Hace +	It is (only when discussing the
weather	weather)
Me gustaría	l would like
Sería	lt would be

Key Conjunctions	Meaning in English
sin embargo	however
0	or

Key Infinitive Verbs	Meaning in English
Comer	To eat
Beber	To drink
Tomar	To take
Vivir	To live

Key Adjectives	Meaning in English		
Favorito(a)	Favourite		
Malo(a)	Bad		
Sano(a)	Healthy		
Vegano(a)	Vegan		
Vegetariano(a)	Vegetarian		
Bueno(a)	Good		
Fresco(a)	Fresh		
Cansado(a)	Tired		
Limpio(a)	Clean		
Sucio(a)	Dirty		

Key Vocabulary	Meaning in English		
español(a)	Spanish		
España	Spain		
inglés(a)	English		
Inglaterra	England		

Key Grammar	Rule

Comparative	 Adjectives and adverbs can be used to compare things or people with each other. E.g. John is taller than Peter → Peter is smaller than Henri → Henri is as tall as Sarah. The comparative is used when expressing terms such as: more (than), less (than) or as (as). The words in Spanish are: más (que) → more (than) 	
The indefinite articles unos/unas	menos (que) → less (than) 'Some' and 'any' are used to refer to an unknown quantity of something. In Spanish, these is translated with the indefinite articles. unos – plural masculine items; unas – plural feminine items.	

<u>Quest for Knowledge – Assessment Cycle Four - Spanish</u> Big Question: ¿Cuál es tu entretenimiento favorito? What is your favourite entertainment?

Meaning in English

Favourite

Great

Active

Easy

Difficult

Dangerous

Exciting

Popular

Sporty

Funny

Meaning in English

An action film

A TV programme

Music

Sport

To play football

To go swimming

To go for a walk

To ride a bike

Key Verbs Mean		ning in English	Key Adjectives
Escucho		l listen	Favorito(a)
Veo		l watch	Genial
Juego		l play	Activo(a)
Juega He		e / she plays	Fácil
			Difícil
Jugamos		We play	Peligroso(a)
Hago		l do	Emocionante
Hace	H	e / she does	Popular
Harrison			Deportista
Hacemos		We do	Gracioso(a)
Soy		lam	Key Vocabulary
Es H		le is / she is	Una película de acción
Somos		We are	Un programa de
			televisión
Key Infinitive		Meaning in English	La música
Escucho	ar	To listen	El deporte
Ver		To watch	Jugar al fútbol
Key Adverbs		Meaning in English	Hacer natación
Mucho(a)/os(as)		A lot	Dar un paseo
Μυγ		Very	Montar en bici
Demasiado(a))/os(as)	Too much	
Porque	;	Because	

Key Grammar	Rule				
		ying a sport or cor bout playing a spor		me, you use the	
Preposition 'a'	The a changes dep	pending on whether		· ·	
Preposition 'a'		Feminine a + la = a la	the noun is masculin Plural masculine a + los = a las	ne, feminine or p Plural feminine a + las = a las	

Key Facts	
La Feria de Abril/ Seville Fair	The Seville Fair (Feria de Abril) is held in Seville. The fair begins two weeks after the Holy Week (Semana Santa). It begins on the Saturday and it runs for seven days. Each day the fiesta starts with a parade of carriages and riders which arrive at the bullring, where the bullfighter and the breeders meet. For the whole duration of the Feria, the river banks are
	covered in tents and there is an amusement park with games and roller coaster to ride.

Quest for Knowledge - Assessment Cycle One, Two, Three and Four - Art

The aim within your Hori7on project is to create a creative body of work that includes a range of techniques and promotes creative understanding and skills.

<u>Term</u>	Description				
Mixed media	Mixed media is a term used to describe artworks composed from a combination of different media or materials.				
Mark Making	Mark making is a term used for the creation of different patterns, lines, textures and shapes.				
Rachel Brooks	Rachel Brooks is a British wildlife artist. Her work aims to promote biodiversity and conservation of the sea.				
Backstitch	A method of sewing with overlapping stitches, where you go back on the stitch to make it stronger.				
Threading a Needle	Hold the threaded needle in between your thumb and finger with the double end of the thread (this should make a loop), wrap 4 times and then slowly pull the twists down the thread and it will tighten as you go down.				
Relief Printing	a process consisting of cutting or etching a printing surface in such a way that all that remains of the original surface is the design to be printed.				
Symmetry	Symmetry in art is when the elements of a painting or drawing balance each other out.				
Colour Theory Through Painting	Primary colours – Blue, Yellow, Red Secondary colours – Purple, Orange, Green				

<u>Art and Design – What we need to do throughout all of our pieces of work</u>

Term	Description		
Review	To look over the work you are producing throughout the creative process and assessing its quality.		
Modify	To change or re-do work that does not meet the assessment objective and does not show full potential.		
Refine	To add to the work to ensure it is of a high quality and meets the assessment objectives.		

Term	<u>Definition</u>		
Tone	Tone refers to the lightness or darkness of colours used, this can be shown with mark making, the amount of ink used or the pressure used with your pencil or biro pen.		
Line	A line is a mark made on a surface that joins different points. Lines can vary in length, width, direction and shape. You will need to consider Line carefully within design work and marking out sea allowances.		
Colour is present when light strikes an object reflected back into the eye, Primary colours con blue and yellow, when these are mixed they secondary colours, purple, green and ora			
Composition	Composition is the term given to a complete work of art and, more specifically, to the way in which all its elements work together to produce an overall effect. The position of elements is key to composition. You will control your composition when creating fish designs and prints.		
Form	In relation to art the term form has two meanings: it can refer to the overall form taken by the work – its physical nature; or within a work of art it can refer to the element of shape among the various elements that make up a work.		
Shape	Shape is a flat area surrounded by edges or an outline. Artists use all kinds of shapes. Geometric shapes are precise and regular, like squares, rectangles, and triangles. You will use these more during the cycle to complete your design work.		
Mood	Mood is the atmosphere in a piece of artwork, or the feeling expressed. How does the work of Rachel Brooks.		
Texture	Texture refers to the surface quality in a work of art. We associate textures with the way that things look or feel.		

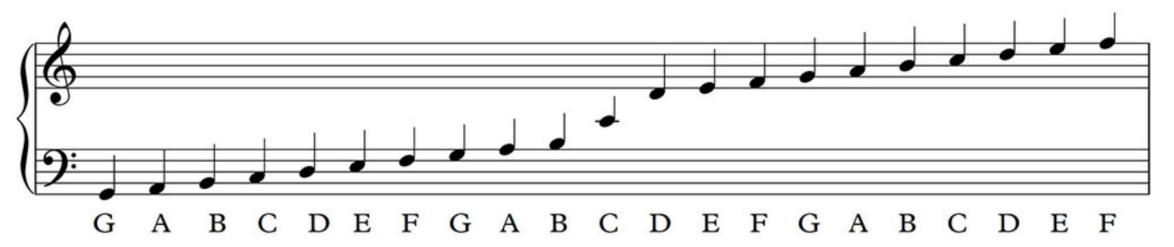
<u>Quest for Knowledge – Assessment Cycle One and Two - Music</u> <u>Big Question: Can Anyone Learn To Read the Language of Music?</u>

Topic: Melody, Pitch, Rhythm & Notation

- Learning to read musical notation
- Learning to perform two hands on the keyboard

<u>Key Words</u>	<u>Description</u>
Pulse	A steady beat like a ticking clock or a heartbeat.
Tempo	The speed of a piece of music.
Duration	Describes how long or short a note lasts.
Ostinato	A short musical idea (phrase) that is repeated throughout a piece of music.
Rhythm	A pattern of long and short notes that create an interesting sound.
Time Signature	Two numbers (that look like a fraction) at the start of a piece of music that tell you the number of beats in each musical measure or bar.
Bars and Bar lines	A bar (or measure) is a segment of time that music is divided into based on the time signature at the start of a piece of music. The bar lines divide the bars.
Pitch	How high or low a note sounds.
Stave	The 5 lines and 4 spaces that represent a different musical pitch.
Treble Clef	The sign at the start of a stave that tell us the notes are above middle C. (LINES = Every Good Boy Deserves Football. SPACES = FACE)
Bass Clef	The sign at the start of a stave that tell us the notes are below middle C. (LINES = Greasy Burgers Deserve Fries Always SPACES = All Cows Eat Grass)
Ledger line	A short line added for notes above or below the stave.
Accidentals	The general term used with referring to a group of sharps and flats.
Sharp #	Raising the pitch of a note by a semitone (black key to the right).
Flat b	Lowering the pitch of a note by a semitone (black key to the left).

Note	Rest	Name	Value	Note	Rest	Name	Value
0	-	Semibreve	4 beats		¥	Crotchet	1 beat
0	-	Minim	2 beats	~	7	Quaver	1/2 beat

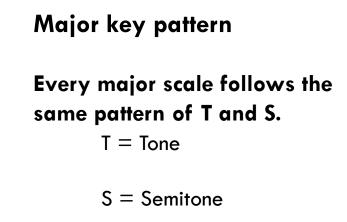


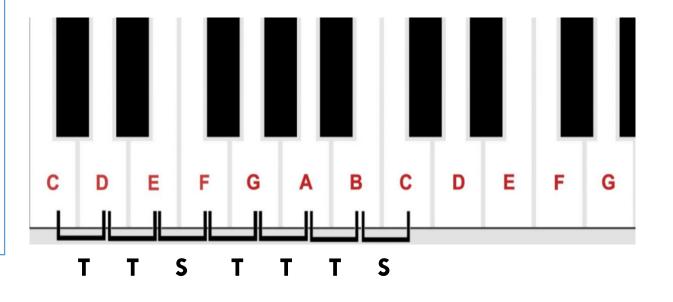
<u>Topic: Melody, Harmony, Chords and Scales</u>

- Learning to read musical notation
- Learning to perform two hands on the keyboard

<u>Key Words</u>	<u>Description</u>	
Chord	Two or more notes played together at the same time.	
Seventh (chord)	Adding the 7th note to the chord to create an extended chord (e.g. C7 chord = C, E, G, Bb).	
Scale	A set of various notes (pitches) that are used to form the basis of a piece of music.	
Improvisation	When a performer creates (composes) and performs a melody at the same time. They make the music up on the spot.	
Tone	Two notes that are 2 semitones (a tone) apart or 1 whole note apart (e.g. C - D).	
Semitone	Two notes that are 1 semitone apart (e.g. C - C#).	
Major	Describes a chord, scale or key that sounds happy.	
Minor	Describes a chord, scale or key that sounds sad.	
Key Signature	The sharps or flats after the clef at the beginning of each stave that show the accidentals belonging to the key of the music.	
Кеу	The key is the group of pitches or scale that form the basis of the piece of music.	
Interval	The distance between the pitch of two notes (e.g. C - $E = 3rd$)	
Tonic	The first (I) note of a scale. The most important degree of the scale.	
Dominant	The fifth (V) note of a scale. The second most important degree of the scale.	
Riff	A repeated, chord progression, rhythm or melodic phrase throughout a piece of popular music (exactly the same as an ostinato but call a riff in popular music).	







Quest for Knowledge – Assessment Cycle One and Two - Drama Big Question: How Does Physicality Shape a Performance?

Elements of Stagecraft		
<u>Terminology</u>	Description	
Gestures	The way we use our hands an arms to express the character's emotions.	
Movement	The way we move our bodies on stage to express the character's emotions.	
Stillness	The use of pause and lack of movement to express the character's emotions.	
Posture	The way we stand to express the character's emotion or personality traits.	
Gait	A mixture of their posture and movement to create a distinct way of walking.	

Elements of Theatre		
<u>Terminology</u>	<u>Description</u>	
Props	Objects used on stage, naturalistically or non-naturalistically that represent something a character might hold or use.	
Costume	The clothing worn by a particular character this could be naturalistic (true to real life) or non-naturalistic (representative).	
Blackout	When the lights go down in between scenes or acts to signal a change of location or time.	

Theatrical Conventions			
<u>Terminology</u>	<u>Description</u>		
Improvisation	The spontaneous use of movement and speech to create a character or object in a particular situation; acting done without a script.		
Role-play	Naturalistic acting of scenes that we would see in everyday life using character dialogue.		
Mime	Silent actions that depict actions of scenes we would see in every day life.		
Still Image	A frozen image of a scene. These are often used at the beginning or end of scenes but can be used at any time to pause the scene and allow us to further examine a section.		
Exaggeration	When the actor makes everything they are doing bigger, larger or louder. This can be to allow the audience to better understand a particular trait of a character.		
7 Archetypes	Fool, Innocent, Mother, Hero, Trickster, Devil, King		
7 Levels of Tension	1 Lethargy, 2 Californian, 3 Economic, 4 Awareness, 5 Anxiety, 6 Anger/Joy, 7 Freeze/Stunned.		
Front Facing	Is when the actor makes a concerted effort to perform everything facing directly at the audience.		
Clocking	When the actor turns their head towards the audience at specific moments in the action to incorporate the audience into the scene.		
Linear Narrative Structure	A linear or chronological structure is where the story is told in the order it happens.		
Transition	When we move from one scene to the next. This can be accompanied with a change of lighting, sound or theatrical convention.		

Quest for Knowledge – Assessment Cycle Three and Four - Drama Big Question: How Can Our Differences Unite Us?

Elements of Stagecraft		
<u>Terminology</u>	<u>Description</u>	
Gestures	The way we use our hands an arms to express the character's emotions.	
Facial Expression	The way we manipulate the face to express the character's emotions.	
Movement	The way we move our bodies on stage to express the character's emotions.	
Posture	The way we stand to express the character's emotion or personality traits.	
Positioning/ Proxemics	The place we stand on stage in relation to other characters to show the characters' relationships, status or emotions towards another character.	
Voice	How we manipulate the way we say things to express the character's emotions.	
Tone	A collective use of pitch, pace, pause and volume to deliver a line that is driven by the character's motive in the scene.	

	Elements of Theatre	
<u>Terminology</u>	<u>Description</u>	
Set	This could be in a naturalistic form to create specific locations or could be symbolic or representative of places or themes.	
Props	Objects used on stage, naturalistically or non-naturalistically that represent something a character might hold or use.	
Blackouts	When the lights go down in between scenes or acts to signal a change of location or time.	
Sound FX	Used in order to make the sound of things that can't be physically present on stage for logistical or safety reasons but are integral to the action of a piece. E.g. An explosion, the sound of bird song outside a window.	

Theatrical Conventions			
<u>Terminology</u>	Description		
Physical Theatre	A style of theatre that uses movement to communicate messages and represent relationship and/or when actors use their bodies to represent objects other than people or characters onstage.		
Blocking	The precise staging of actors in order to facilitate the performance of a play, ballet, film or opera.		
Narration	When the action in a story is told to the audience in 3 rd person speech with the accompaniment of role-play or mime. It helps to move the story along or change location or time period.		
Dialogue	Spoken conversation used by two or more characters to express thoughts, feelings, and actions. It allows the audience a better understanding of a character motives or intentions.		
Role-play	Naturalistic acting of scenes that we would see in everyday life.		
Still Image	A frozen image of a scene. These are often used at the beginning or end of scenes but can be used at any time to pause the scene and allow us to further examine a section.		
Transitions	When we move from one scene to the next. This can be accompanied with a change of lighting, sound or theatrical convention.		

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<u>Quest for Knowledge – Assessment Cycle One – Physical Education</u> <u>Big Question: What Are Key Sporting Values?</u>

	Key Terminology
Key Words & Facts	<u>Description</u>
Invasion Games	Sports that involve scoring a goal in the opponent's space e.g. netball, football, basketball.
Striking and Net	Sports that involve scoring points by striking an object with a racket or bat
Games	e.g. badminton and cricket.

	Head: All Concepts
Key Words & Facts	<u>Description</u>
Tactic	A tactic is a strategy used to help performers to score the most goals, points or win a race.
Analyse	1) Observe the performance
	2) Select a performer
	3) Identify if they are a strong or weak performer

	Heart: All Concepts
Key Words & Facts	<u>Description</u>
Teamwork	Working as a group to achieve a common aim.

	Hands: Invasion Games	
Key Words & Facts	<u>Description</u>	
Netball Mastery Skill: chest pass	 Hands in W position on the ball 2) Step into the pass 3) Hands point to receiver on follow through 	
Football Mastery Skill: first touch	 Track the ball Use inside of the foot Cushion the ball 	
Netball: pivoting	 Run towards the ball Jump and catch in the air Land one foot at a time Landing foot must stay still 	
Football: ball manipulation	1) Small touches 2) Close to your feet 3) Protect the ball	

	Hands: Striking and Net Games	
Key Words & Facts	<u>Description</u>	
	 Feet shoulder width apart 	
Badminton: ready	2) Knees bent	
position	3) Weight low and forward over toes	
	Racket in front and away from the body	
	1) Shake hands with the racket	
Badminton: grip	2) Wrap all fingers around racket	
	3) V-shape in between thumb and index finger	

<u>Quest for Knowledge – Assessment Cycle Two and Three – Physical Education</u> <u>Big Question: Why Are Key Values Important in Sport?</u>

	Key Terminology
Key Words & Facts	Description
Outdoor Adventurous Activities	Sports that are performed in a outdoor environment e.g. orienteering, problem solving, climbing.
Aesthetics	Sports that involve scoring points by making a routine look aesthetically pleasing e.g. trampolining and dance.
Health Related Fitness	An activity that promotes improving health and fitness e.g. circuit training.
Athletics	An activity that includes a variety of throwing, running and jumping events e.g. the 100m sprint in outdoor athletics.

	Head: All Concepts
Key Words & Facts	<u>Description</u>
Tactic	A tactic is a strategy used to help performers to score the most goals, points or win a race.
	1) Observe the performance
Analyse	2) Select a performer
	3) Identify if they are a strong or weak performer

	Heart: All Concepts
Key Words & Facts	Description
Teamwork	Working as a group to achieve a common aim. An example in P.E is communicating with my team mate to start moving before I pass on the baton in relay.

	Hands: Outdoor Adventurous Activities
Key Words & Facts	Description
Orienteering Mastery Skill: Setting a Map	 Look at surrounding features Locate where you are Thumb the map Thumb, feet and face in same direction Turn the map accordingly
	Hands: Health Related Fitness
Key Words & Facts	Description
Health-Related Fitness Mastery Skill 1: Squat	 Feet shoulder width apart 2) Heels down 3) Bend knees to 90 degrees 4) Back straight, arms across chest
Health-Related Fitness Mastery Skill 2: Sit Up	 Feet flat Hands across chest Elbows touch knees
Health-Related Fitness Mastery Skill 3: Half Press Up	 Shoulders over hands 2) Flat back 3) Bend elbows 4) Tense stomach
Health	A state oh complete physical, emotional and social wellbeing and not merely the absence of disease.
Fitness	The ability to meet the demands of the environment.
	Hands: Aesthetics
Key Words & Facts	Description
Trampolining and Dance Mastery Skills: Tension and Extension	Tension 1) Contract muscles 2) Maintain a body shape Extension 1) Lock joints 2) Point fingers and toes
Trampolining: seat drop	 Flex 90 degrees at hip Legs straight Land hands, bottom, legs and heels at the same time

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<u>Quest for Knowledge – Assessment Cycle Four – Physical Education</u> <u>Big Question: How Do Tactics Lead to Success in Sport?</u>

	Key Terminology
Key Words & Facts	Description
Invasion Games	Sports that involve scoring a goal in the opponent's space e.g. netball, football, basketball.
Striking and Net Games	Sports that involve scoring points by striking an object with a racket or bat e.g. badminton and cricket.
Athletics	An activity that includes a variety of throwing, running and jumping events e.g. the 100m sprint in outdoor athletics.

	Head: All Concepts
Key Words & Facts	Description
Tactic	A tactic is a strategy used to help performers to score the most goals, points or win a race.
Analyse	 Observe the performance Select a performer
	3) Identify if they are a strong or weak performer

	Heart: All Concepts
Key Words & Facts	Description
	Working as a group to achieve a common aim.
Teamwork	An example in P.E is communicating with my team mate to start moving before I pass on the baton in relay.
	An example of when teamwork is used outside of education is taking on other people's ideas in staff meetings.

	Hands: Athletics
Key Words & Facts	Description
Athletics Mastery Skill: Head position	When sprinting the head should be upright and focused on the end of the lane. When throwing a javelin the head should be looking in the direction of the throw. When throwing a shot putt the head should start by facing the feet and finish looking at where the shot put should be landing. When pacing the head should be relaxed and facing forwards.

	Hands: Invasion Games
Key Words & Facts	Description
Basketball Mastery Skill: triple treat	 Ball at the hip Dominant foot out Knees bent Leaning forward – "nose over toes" Head up
Basketball: chest pass	 Hands in W position on the ball Step into the pass Hands point to receiver on follow through
Basketball: dribbling	1) Dirty fingers clean palms 2) Soft hands 3) Look up 4) Hip height

	Hands: Striking and Net Games
Key Words & Facts	Description
	Catching
	 Hands together with fingers pointing up or down
	Tracking the ball all the way into the hands
Cricket Mastery Skills:	3) Still head position where possible
Throwing and Catching	Throwing
	 Side-on with feet wider than shoulder width apart
	2) Non-throwing arm aiming at target.
	3) Rotate hips during follow through

<u>Quest for Knowledge – Assessment Cycle One and Two – Computing</u> <u>Big Question: How Do We Stay Safe Online?</u>

Key Words & Facts	Description
Computer Viruses	Replicate themselves and can transfer from one computer to another. They are activated by a user often as email attachments and attachment to other files and programs.
Cyberbullying	When the Internet, mobile phones or other devices are used to send or post text or images intended to hurt or embarrass or harm another person.
Cyberstalking	Using information and communication technology, particularly the internet, to harass an individual, group of individuals or organisation.
Grooming	The actions undertaken by a paedophile to befriend and create an emotional connection with a child to exploit them or take advantage of them.
Hacking	Slang term used to describe illegal access of computer systems by other users without permission.
Happy Slapping	Taking and publishing pictures of assault online.
Illegal Content	Material, which is against the law to be shown, seen or published. To most common types are; sexual abuse of children, extreme sexual violence, hate/hate crimes and xenophobia.
Pharming	The process of collecting information from a computer by hidden means – often makes use of computer programs called spyware.
Phishing	An email or text messaging scam where victims are conned into believing that they are being contacted by their bank for instance and can give sensitive personal details such as bank account passwords.
Sexting	Sending explicit pictures (often self-portraits/selfies) by multimedia text messages, usually via mobile phones.
Spyware	Records the activity on your computer such as your keystrokes, thereby logging your passwords for instance and then send the data back over the network to a hacker. Spyware can also be used to control your webcam and microphone.
Trojan	It gains access to a computer by pretending to be legitimate software. The Trojan allows unauthorised backdoor access to a computer without the user being aware.
Troll	Someone who posts inflammatory or off-topic messages in an online community with the intent of provoking readers into making an emotional response or disrupting on-topic discussion.
Worms	Spread like viruses but do not require human intervention. They attach themselves to network tools to spread automatically around a network very quickly.

<u>Quest for Knowledge – Assessment Cycle Three and Four – Computing</u> <u>Big Question: How Can We Use Excel To Model Situations?</u>

Key Words & Facts	<u>Description</u>
Absolute Cell Reference	A cell reference that does not change when it is copied.
Active Cell	The active cell is the cell in the spreadsheet that is currently selected for data entry.
Average	Finds an average for a range of cells.
Cell	A rectangular area formed by the intersection of a column and row.
Cell Reference	The name of a cell that is found by combing the column letter with the row number. For example the cell in column 'C' in row '3' Would be called C3.
Column	Runs vertically on the spreadsheet (up and down).
Count	Counts cells in a range if they meet a condition.
Data	Data refers to the type of information that can be stored in the cells of a spreadsheet.
Fill Handle	The fill handle is the small bold square in the bottom right corner of a cell that can be used to copy (fill) data to adjacent cells in the same row or column.
Formula	A formula is a spreadsheet data type that will calculate a result and display it in the active cell.
Formula Bar	The formula bar appears directly above the column headings of a spreadsheet and will display what has been typed into the active cell.
Function	A named formula built into a spreadsheet to perform a task.
Freezing Columns/Rows	Freezing is a technique that can be used in larger spreadsheets to assist in viewing the information on the screen.
Max	Returns the highest value in a range.
Min	Returns the lowest value in a range.
Range	A range is a group of cells in a spreadsheet that have been selected.
Relative Reference	A relative reference is one that changes when it is copied.
Rows	Rows run horizontally on the spreadsheet screen.
Sum	Adds the range of cells together.
Values	Values are numerical data that is entered into a cell.
Workbook	A workbook is a collection of worksheet that are saved together in on file.
Worksheet	A worksheet is the grid of columns and rows that information is inputted into.

<u>Quest for Knowledge – Assessment Cycle One, Two, Three and Four - Design Technology</u> <u>Big Question: How Do Graphic Designers Combine Functionality and Creative Ideas?</u>

<u>Term</u>	Description
Graphic Designer	A person who combines text and pictures in advertisements, magazines, or books.
ACCESSFM	ACCESSFM is a designers tool used to make you think about products in a critical and analytical way.
A = Aesthetics	What does the product look like? Consider colour, finish, texture, theme and inspiration.
C = Cost	How much does the product cost to make? Including individual items to buy, as well as work force. How much would you sell the produce for?
C = Customer	Who has the product been designed for? Identify a Target Market, considering age, gender and interests.
E = Environment	Where will this product be used? Consider if the product is to be used indoors, outdoors, what room and where in the room? How might these factors effect the overall design and function of the product?
S = Size	What is the maximum and minimum size of the product? Use specific dimensions (mm is best). Height x Width x Depth. Why must it be this size? What other factors effect the size of a product?
S = Safety	Is the product safe? What makes it safe? Are there any potential dangers? Consider the user, size, finish and environment.
F = Function	What the product must do and how will it do this? What important factors influence this? Consider size, safety and environment and how they influence a product's function. Has the product got a secondary function? (Can it do or must do something else?)
M = Materials	What are the essential material properties for this product? Do not just name materials. Why are these material properties so important? Think about function, size and safety.
Product Specification	A product spec is a document that outlines the product you will be building, what it is going to look like, and the specific product requirements and functions. It may also include the persona or user it is being made for.
Design Brief	A design brief is a document that outlines the core details and expectations of a design project for a brand. A good design brief sets the tone for a successful design project by outlining the goals, quality, and deliverables.
	Recycling symbol for recyclable materials.
	Tidyman: Disposal of this carefully and thoughtfully.
LIJ LZJ LZJ PETE HOPE V LZJ LZJ LZJ LDPE PP PS	Plastic materials safety code.
CE	CE marking. Conformity to the requirements of the applicable EU countries.
۲ ï	Food safety symbol. 44

<u>Quest for Knowledge – Assessment Cycle One, Two, Three and Four - Food</u> <u>Big Question: How Can We Ensure Our Food Is Nutritious and Safe To Eat?</u>

Term	Description
The 4 C's	Steps to follow which can guarantee food safety: Cooking, cleaning, chilling and cross-contamination.
Bacteria	Microscopic organisms which can be harmful to health and cause disease.
Cross-contamination	The process whereby bacteria are transferred from one place to another.
Personal Hygiene	The steps we can take to prevent cross-contamination: washing hands, wearing apron, tying hair back/wearing a hat, removing nail polish/jewellery.
The Danger Zone	The temperature range between 5-63°C in which bacteria multiply most quickly.
Knife Safety	Carrying knives carefully around the food room; holding close to the thigh area; no pointing; never try to catch a falling knife; always pass with the handle towards the other person.
Colour-coded Chopping Boards	Red = raw meat, Blue = raw fish. Yellow = cooked meat, White = Dairy and bread, Green = Salad and fruit, Brown = Vegetables.
Dormant	Normal physical functions of a bacteria are slowed down or suspended as if in a deep sleep.
Four Conditions of Bacterial Growth	Food, warmth, moisture and time.
Binary Fission	When a single-cell bacteria subdivides and creates two new cells. This occurs every 20 minutes if the correct conditions are present.
Pathogenic Bacteria	Bacteria which can cause disease.
The Eatwell Guide	A visual representation of what a 'balanced diet' should look like.
Sources of Carbohydrate	Bread, pasta, potatoes and cereals.
Sources of Protein	Meat, poultry, beans, nuts and seeds, fish, eggs, Quorn, soya and tofu.
Sources of Oils/Spreads	Olive oil, sunflower oil, spreads.
Sources of Dairy	Milk, cheese, butter, yoghurt, cream, dairy alternatives e.g. soya milk and spread.
Sources of Vitamins and Minerals	Fruits and vegetables.
Food Allergy	When the body's immune system reacts unusually to specific foods. This can be life threatening.
Food Intolerance	When you have difficulty digesting certain foods or ingredients in food. This is not serious, but can make you feel unwell.



ACADEMY

The name 'Q3' represents three high ideals: To seek that which is good. To seek that which is right. To seek that which is true.

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