KNOWLEDGE ORGANISER



YEAR 7 CYCLE 1

Name: --

Tutor group:





YOUR KNOWLEDGE ORGANISER

- Knowledge Organisers contain critical knowledge you must know. This will help you recap, revisit and revise what you have learnt in lessons in order to remember this knowledge for the long-term.
- You must have this book for every lesson it is part of your equipment.

USING THE KNOWLEDGE ORGANISER FOR REVISION

- Students remember 50% more when they test themselves after learning.
- You can use your book to help **memorisation**.
- **Read** a section of your Knowledge Organiser.
- Cover it up.
- Write out what you've remembered.
- **Check** the Knowledge Organiser to see if you're right.
- Repeat this process.
- Do this every day to help commit the information to your long-term memory.

HOW TO USE THE BOOK FOR SELF-QUIZZING



USING YOUR KNOWLEDGE ORGANISER FOR REVISION

Research shows that students remember 50% more when they test themselves after learning something.

You can use your 100% book to create **<u>flashcards</u>**.

These should be:

- double-sided
- a question on one side, the answer on other
- a keyword on one side, a definition or image on the other
- used for self-testing.



Q1 What is <u>emulsion</u> ? Oil, water, droplet, shake, immiscible, bond, mixture.	Q2 What is <u>one</u> <u>similarity</u> between an <u>alkene</u> and an <u>unsaturated</u> fat?
Q3 What is the name for the <u>test</u> for <u>unsaturated fat</u> or <u>alkene</u> ? Describe what you would <u>see</u> .	Q4 Describe two ways that <u>saturated</u> fat and <u>unsaturated fat</u> (oil) are <u>different</u> .
Q5 What is <u>the</u> <u>advantage</u> of cooking food in <u>oil</u> ? <u>Explain</u> your answer.	Q6 <u>Describe</u> what an <u>emulsifier</u> molecule does.
Q7 Name the <u>two parts</u> of an <u>emulsifier</u> molecule.	Q8 What is the difference between a <u>monounsaturated</u> fat and <u>polyunsaturated</u> fat? <u>Mono</u> = one <u>Poly</u> = many

FEEDBACK

Your teachers will give you feedback about your learning and progress in many different ways. These will include:

- Verbal feedback about something you are working on in the lesson (practical or written work).
- > Verbal feedback through asking questions.
- ➤ Guided independent self-assessment.
- Guided peer assessment.
- Instant/quick written comments or identification of SPAG errors on your work as you complete it.
- Written feedback on your work and setting R4 or extension questions for you to complete.
- Knowledge quizzing/short tests that give you a score (i.e. 15/20).
- Longer tests that may also give a score (i.e. in %) as well as feedback about the content you need to re-learn/refresh.

You will be expected to respond to feedback in the following ways:

- Correcting all SPAG errors and copying out spellings as directed by your teacher.
- ✓ Answering R4 questions and completing extension questions/tasks in green pen.
- ✓ Giving peer feedback when it is expected by the teacher, using the format provided.
- ✓ Setting yourself targets when required, to ensure that you keep developing your knowledge and skills.
- ✓ Focusing on the areas of knowledge that you need to learn and quizzing yourself on these for homework.
- ✓ Showing that you take pride in your work by presenting it neatly.
- ✓ Always asking for help if you don't understand the work or what to do.

ENGLISH - GRAMMAR

1. Punctuation Mar	ks		
Full Stop Used at the end of a sentence	Question Mark Used at the end of an interrogative sentence to form a question.	Exclamation Mark Used at the end of an interrogative sentence to form a question.	Comma Use to separate clauses in a sentence
Speech Mark Used to show when a character speaks.	Colon Used to separate two independent clauses when the second explains or illustrates the first	Semi Colon Used to separate two independent clauses that about the same topic.	Apostrophe Used in 3 ways to show contraction, plural or possession.
Hyphen Can take the place of commas, parentheses, or colons – in each case to slightly different effect.	Slash Used to separate numbers, letters or words.	Ellipsis Use in non-fiction to show omission. In fiction show hesitancy or long pause.	Parenthesis Used to add extra information in a sentence

3. Sentence Types

Simple	Consists for one independent clause. (An independent clause contains a subject and verb and expresses a complete thought. Examples: I like coffee. Mary likes tea. 	
Compound	 Is two (or more independent clauses joined by a conjunction or semi-colon. Each of these clauses could form a sentence alone. I like coffee and Mary likes tea. Mary went to work but John went to the party. Our car broke down; we came last. 	
Complex	 Consists of an independent clause plus a dependent clause. A dependent clause starts with a subordination conjunction or a relative pronoun and contains a subject and a verb but does not express a complete thought. We missed our plane because we were late. Our dog barks when she hears a noise. 	t t
Minor	 Consists of a fragment, or incomplete clause that still conveys meaning. Hello. The more, the merrier. 	5

2. Apostrophe Rules

To show contraction:

Used to show when letters are omitted from words.

- Do not = don't
- Could not = couldn't
- They are = they're

To show possession:

Can be used to show that one thing belongs to or is connected to something.

• The cat's tail was fluffy

Cat is a singular noun so you need to add an apostrophe and 's' to show that the tail belongs to the cat

• Charles's cat was naughty

Charles is a singular noun so, even though it ends in an 's' already, you need to add an apostrophe and another 's' to show that the cat belongs to Charles.

• The brothers' feet was muddy.

Brothers is a plural noun that ends in an 's' so you don't add another 's' after your apostrophe. You just add the apostrophe to show the feet belongs to the brothers.

• The children's toys were broken

Children is a plural noun but it doesn't end with an 's' so you need to add an apostrophe and 's' to show that the toys belong to the children.

4. Word Types		
Noun: A name, place or thing	Verb: A being, doing or having word	Adjective: A word that describes the noun
Abstract Noun: An idea or concept e.g. bravery, courage, love	Modal Verb: A word that shows necessity or possibility	Pronoun: A noun that can be substituted for a name.
Concrete Noun: A noun that can be identified through one of the five senses (taste, touch, sight, hearing, or smell)	Adverb: A word that describes a verb	Preposition: The position or location of a word



THE REGIS SCHOOL SPELLING LIST Year 7 – Autumn Term



Why is spelling important?

Aside from being given marks for spelling in exams, learning to spell is extremely useful if we want to become confident readers and writers. If you are constantly stopping to think about how words are spelled while you write, it can interrupt the flow of your thoughts, taking you away from what we want you to be thinking about: your choice of words and how you construct those words into sentences that communicate exactly what you want to say.

If you are a confident speller, you are also much more likely to make adventurous vocabulary choices, selecting the exact word to communicate your message, rather than playing it safe and using a word you already know how to spell.

Being a great speller makes you a more effective communicator, allowing you to share your own thoughts and ideas with the world!

<u>Quizlet</u>

All spellings are available on 'Quizlet'. Follow the link and, if you haven't done so already, create an account using your school email address

Link: https://quizlet.com/join/9Nx5MHGr4

Use the spelling pages to practice your weekly spellings. First, look carefully at the word. Study its shape and the order of the letters. Then, cover the spelling; try to see it in your mind's eye. Attempt to write the spelling out. Check your work-have you missed a letter? Got letters mixed up or jumbled? Try again. Even if you get it right first time, practice makes perfect. Fill in the grid to ensure you are ready for your test in tutor time.

Week 1 – 'IDE'	Attempt 1	Attempt 2	Attempt 3
Collide			
Abide		2	
Decide			
Suicide			
Identity			
Coincide			
Evidence			
Considerate			
Residential			
Accidentally			
Challenge Words			
Inconsiderate			
Evidential			

Week 2- 'TOR'	Attempt 1	Attempt 2	Attempt 3
Actor			
Storm			
History			
Sculptor	4	02	
Directory			
Inspector		<u>88</u>	
Restoration			<
Conductor			
Applicator			
Explanatory			
Challenge Words			
Victorious			
Mandatory			

Week 3 – 'ANCE'	Attempt 1	Attempt 2	Attempt 3
Chance	3		
Glance			
Trance			
Romance			
Finance			
Entrance			
Reliance			
Brilliance			
Cancellation			2 K
Circumstance			
Challenge Words			
Ancestor			
Nuisance			

Week 4 – 'ANT'	Attempt 1	Attempt 2	Attempt 3
Fragrant			
Vigilant			
Advantage			
Buoyant			
Significant		24	6
Warrantee			
Incantation			
Antiperspirant			
Immigrant			
Circumstantial			
Challenge Words			
Philanthropy			
Quantitative			

Week 5 – Extra Letters	Attempt 1	Attempt 2	Attempt 3
Medicine		2	<i>8</i> 3
Occasion			
Rhythmic			
Miniature			
Illuminate			
Incidentally			8
Persuade			
Irresistible			
Occurrence			2
Necessary			
Challenge Words		2	\$ -
Mischievous			
Indispensable			

Week 6 – Double Letters	Attempt 1	Attempt 2	Attempt 3
Pattern	-		
Attack			
Needle			
Generally			
Happening			
Accuracy			
Committee			
Communicate			
Exaggerate			
Possession			
Challenge Words			
Millennium			
Bookkeeper			

Week 7 – Vowel Combinations	Attempt 1	Attempt 2	Attempt 3
Poison			
Opaque			8
Colour			
Mosaic			
Biased			
Algebra			
Approach			
Mountain			
Medieval			
Rejoice			
Challenge Words			
Turquoise			
Onomatopoeia			

Week 8 – Connectives	Attempt 1	Attempt 2	Attempt 3
Finally			
Besides			
Although			8)
Therefore			
However			
Moreover			
Previously			
Furthermore			
Eventually			
Meanwhile			
Challenge Words			
Consequently			
Alternatively			

Week 9 – 'er'	Attempt 1	Attempt 2	Attempt 3
Average		2	. k:
Sincerely		2	
Soldier			
Interfere			
Determined			
Remember		20	
Masterpiece			
Preserve			
Advertise			
Encounter		20	26
Challenge Words			
Treacherous			
Counterfeit			

Week 10 – 'ful'	Attempt 1	Attempt 2	Attempt 3
Careful			
Tactful			
Cheerful			84
Ruefully			
Mournful		3	
Disdainful			
Bountifully			
Fruitfulness			
Ghastful			8
Lawfulness			
Challenge Words			5
Awfulness			
Fulfilment			

Week 11 - Recap	Attempt 1	Attempt 2	Attempt 3
Rhythmic			<i>\$</i> 0
Opaque			
Sincerely			
Mosaic			
Sculptor			
Buoyant			
Medieval			
Conductor			
Antiperspirant			
Ghastful			
Challenge Words			
Treacherous			
Inconsiderate			

MATHS CORE KNOWLEDGE





http://hegartymaths.com

Maths Lesson Essentials!

- Have you written and underlined the date and title?
- Have you written the question and shown your working out?
- Have you shown your units?
- Have you brought your calculator?
- Have you marked your answer in green pen?
- Does your answer make sense?

NUMBER & ALGEBRA

Ascending Descending Denominator Numerator Solve Solution Decimal Percentages Binary Integer

DATA Mean Median Mode Range Scale Proportion Discrete data Continuous data Frequency Cumulative frequency Upper quartile Lower quartile Interquartile range Distribution Correlation Scatter graph

SHAPE

Names 3D

Sphere Cylinder Tetrahedron Prism Cone Pyramid

SHAPE				
Names 2D				
Quadrilaterals Parallelogram Trapezium Rectangle Rhombus	<u>Triangles</u> Equilateral Right-angle Isosceles Scalene			
Keyw	ords			
Keywords Circle Polygon Interior angles Exterior angles Acute angle Right angle Obtuse angle Obtuse angle Reflex angle Vertically opposite angles Corresponding angles Alternate angles Co-interior angles Pythagoras Trigonometry Parallel				

MATHS CORE KNOWLEDGE



SCIENCE CORE KNOWLEDGE

1. How Science Works Keywords

Keyword	Definition
Evidence	A set of data that proves a prediction or hypothesis.
Hazard	Something that could be dangerous.
Risk	Chance of something dangerous happening.
Prediction	Something you think will happen.
Hypothesis	Why you think something will happen.
Variables	Something that changes.
Independent variable	The variable that is changed or controlled in an experiment to test the effects on the dependent variable.
Dependent variable	The variable being tested and measured in an experiment.
Control variable	Something that is constant and unchanged during the experiment.
Repeatability	Closeness of repeats of results to each other.
Reproducibility	Agreement of results from different groups testing the same factor.
Accuracy	Closeness of a measured value to a standard or known value.
Precision	Closeness of two or more measurements to each other.
Reliability	The degree to which the result of a measurement can be depended on to be accurate.

2. Key Equipment

<u>Measuring cylinders</u> – 10 ml cylinders will allow measurement to the nearest 0.1 ml. 100 ml cylinders will allow measurement to the nearest 1 ml.



<u>Thermometers</u> – digital thermometers allow measurement to 1 decimal place, whereas alcohol thermometers only allow measurement to the nearest degree.



<u>Quadrats</u> – are used to do sampling and find the amount of a species in a certain area. Quadrats are placed onto the ground.



<u>Metre ruler</u> – used in multiple investigations in the lab. Allows us to measure to the nearest cm.



<u>Measuring tape</u> – used in sampling alongside the quadrat. Placed onto the ground to make a transect line to measure against.

SCIENCE CORE KNOWLEDGE

3. Graphing, Analysis and Evaluation Keywords				
Keyword	Definition	Example		
Hypothesis	An educated guess based on what you already know.	The rate of photosynthesis will increase as the lamp moves closer to the beaker.		
Independent Variable	The variable that can be changed by the scientist, it is the cause. Found on the <i>x</i> -axis.	Distance from lamp to beaker (cm)		
Dependent Variable	The variable that the scientist observes, it is the effect. Found on the y-axis.	Number of bubbles (per minute)		
Control Variable	The variables that must always be kept the same	Temperature, the size of the pond weed, amount of water		
Line of Best Fit	A line that goes roughly through the middle of all the scatter points on a graph.	The red line on the graph above shows the line of best fit for the data plotted.		
Calculations	Use the correct equation to be used based on the variables of the experiment. Use correct units.	Calculation for mean of number of bubbles per minute: Trial 1 + Trial 2 + Trial 3 ÷ 3 15 + 14 + 15 ÷ 3 = 14.6		
Results Analysis	Identify patterns in data. Describe what the table and graph show.	As the lamp is getting closer to the beaker, more bubbles are produced.		
Conclusion	Answer your original question. State whether or not the hypothesis was supported.	The results prove that the rate of photosynthesis is effected by the distance of the light source. As the lamp was moved closer to the baker, more bubbles were produced.		
Evaluation	Suggest an improvement for the equipment used. Suggest an improvement for the method used.	Use an LED lamp. Measure the volume of oxygen produced.		

Distance from lamp to beaker (cm)	Number of bubbles (per minute)			Mean number of bubbles
	Trial 1	Trial 2	Trial 3	
10	15	14	15	14.6
20	7	7	7	7
30	7	7	6	6.7
40	1	2	1	1.3
50	0	0	0	0

Investigating the Rate of Photosynthesis



ART

PRACTICAL SKILLS VISITED

<u>Skills</u>

<u>Colour</u>

The colour wheel – deepening knowledge and ability to confidently mix primaries and secondaries

Drawing

Mark-making Basic shapes/accuracy of outline shapes Tone – shading from dark to light and directional shading Portrait basic – proportions

Painting

Colour mixing, blending, directional brushstrokes.

Printing

Mono – printing

3D Clay – basic intro – rolling/joining, pinch pot etc.

Photography Photography for recording ideas – basic editing on phones

Literacy

To be able to explain ideas, and reflect on your own work.

To be able to write about an artwork, describing it in detail using the model 'form, content, process, mood.'

VOCABULARY

Colour

Tone – Darks and lights and everything in between

Primary colours – Red, yellow and blue; cannot be created by mixing other colours together

Secondary colour – 2 primary colours mixed together in equal amounts – green, purple and orange

Portrait – An artwork focusing on a person's face.

Proportion – The size things are in comparison to each other

Blending – Mixing colours or tones together

Charcoal – Burnt willow sticks used to create very black dramatic lines and shadows

Texture – The way something feels to the touch, or showing this through the way you draw or paint something, e.g. through mark making

Form – The 3D shape of something

Natural forms – Objects that are natural, e.g. leaves, seedpods, fir cones, shells

Still life – A group of objects arranged together in a particular way

STRETCH – FURTHER READING

Drawing

1. Complete drawings of anything from real life each week, focusing on the actual shape.

2. Complete some 'blind contour' drawings. https://www.bing.com/videos/search?q=blind+c oltour+drawing&&view=detail&mid=645E010C9 DA18F675865645E010C9DA18F675865&&FORM =VDRVRV

3. See how many different tones/shaded you can get out of an HB pencil.

4. Find out about traditional African Art:

- a. How is Moroccan Art different from the Art of Kenya?
- b. How was Picasso influenced by African Art?

5. If possible, visit the British Museum in London https://www.bing.com/videos/search?q=british+ museum+african+art&view=detail&mid=2AEAAA 6B885C5075FC092AEAAA6B885C5075FC09&FOR M=VIRE

ARTISTS

Find out about the following artists

- Van Gogh
- Matisse
- Paul Klee
- Picasso

COMPUTING

Title: How to Correctly Lay out a Document

SAVING WORK:

File Naming: File names should be sensible and describe what the document is to make it easy to find again in the future. Folder Structure: Like file names, folders must be sensibly named with a logical structure to make locating work easy. Frequency: Ensure you save your work at the start to avoid losing it, so Autosave saves it constantly.

Name: I.C. Clearly

Class: 9P2

Header

E 💿 👻 🕇 🚺	This PC Student Share (P:) Subjects Com	puting 🕨 KS3 - Year 7	► Lesson 2 - Hardware	:1
☆ Favorites	Name	Date modified	Туре	Size
E Desktop	🕼 Exercise 1 - Hardware Components task	22/11/2015 20:10	Microsoft Word D	813 KB
🚺 Downloads	Hardware Quiz	03/10/2016 10:13	Microsoft Word 9	780 KB

DOCUMENT STRUCTURE HEADER

Name: Your name must be on the top left.

Class: Your Class must be under your name.

Date: In the short form dd/mm/yy on the top right.

Title: An appropriate title describing the work should be in the centre.

DOCUMENT STRUCTURE : FOOTER

Filepath: On the bottom left you should place the filepath showing where it is saved. **Page Number:** In the bottom centre, you need the page number and number of pages/

Footer Filename;\\brcc-server2\bsilver\$\1A Admin\2014-2015\How to Lay out a Document.docx

Date:05/09/2017

Page: 1 of 1

ACCOUNTS (complete in pencil)				
Account	Site	Login	P/W hint	
Login	20SurnameInitial			
OneDrive/Email	http://outlook.office365.com/owa/th eregisschool.co.uk	@theregisschool.co.uk		
Homework – iDEA	https://idea.org.uk	School Email		
Classcharts	https://www.classcharts.com			
Keywords practice	Https://quizlet.com/join/ND2wMdM xX TRS CLASS OF 2025	School Email		

COMPUTING

KEYWORD	DEFINITION
Password	A string of characters that allows access to a computer, interface or system.
Special Character	The characters other than letters and numbers such as % & " $?$ *
Complexity	The state or quality of being intricate or complicated to make it hard to crack.
Cyberbullying	The use of electronic communication to bully a person, typically by sending messages of an intimidating or threatening nature.
Trusted Adult	Adults in a position of responsibility and trust, such as teachers, youth leaders, police officers and family members.
Bystander	A person who is present at an event or incident but does not take part.
Grooming	When someone builds an emotional connection with a child to gain their trust for the purposes of sexual abuse, exploitation or trafficking.
Victim	A person harmed, injured, abused or killed as a result of a crime or a person feeling helpless in the face of ill-treatment.
CEOP	Child Exploitation and Online Protection. This is the organisation you can report concerns to who will investigate and take police action.

HOMEWORK CHECKLIST FOR FIRST TERM

1	'All About Me' PowerPoint	Complete the sections from the template. See the template for extension opportunities.
2	Idea Badges	 E-Safety & Online Etiquette, Safe Online Digital Ethics, Social Media Ethics, GDPR
3	Keywords from KO	You could also use Quizlet to practice.
4	Extension work	Add your school email to your Outlook at home.

e-SAFETY KEY POINTS

- 1. Protect your personal information online, do not post: your address, telephone number, email, date of birth, bank details.
- 2. On social media use the highest privacy settings to make sure only your friends and family can see your pages.
- 3. Use a nickname online, not your real name.
- 4. Be careful about what photos you share online. If they show your home, work, school or places you regularly go to, you can be easily traced.
- 5. Think about the suitability of what you post, images and text, would you want your granny to see it? Are you revealing too much?
- 6. Remember once you post it online you cannot get it back. It could be shared and downloaded around the world.
- 7. If you are concerned report it straight away.
- 8. Tell trusted adults if you are worried: Teachers, Parents, Youth Workers, Police Officers.
- 9. Know where to get more help: CEOP; NSPCC https://www.nspcc.org.uk/; Childline – Call 0800 1111

PERFORMANCE STUDIES - DRAMA AND DANCE

DRAMA develops the following important life skills:

- 1 **Confidence:** Belief in your own ability, skills and experience.
- 2 **Creativity:** The ability to use your imagination to explore ideas, make decisions and express yourself.
- **3 Communication** The ability to convey or share ideas and feelings effectively.
- 4 Collaboration/Teamwork The ability to work well with others to achieve a shared goal by communicating well, listening carefully and being responsible, supportive and honest.
- **5 Imagination:** to come up with new and creative ideas.
- 6 Problem solving the process of finding solutions to something that needs to change



DRAMA - Vocabulary

Freeze frame: A still frozen/image of actors on stage.

1

2

8

9

10

- **Facial expressions:** Changing your facial features to show your character's emotions.
- **3 Gestures:** Hand actions to emphasise your character's feelings or show what they are doing.
- 4 **Body language:** the posture and shape of the actor's body to represent a character and their emotion
- **5 Levels:** Positioning the actors at different heights
- 6 Body as Prop: Using your body to create an object.
- 7 Mime: When actor performs without props but suggests
 - that they are there by pretending to interact with them.

Thought track: A way to speak aloud the thoughts or feelings of a character in a freeze-frame.

Narration: A **narrator** is like a storyteller informing the audience about the plot. They can also add a spoken commentary for the audience about the action onstage.

Role: The part some one plays in the work. For example playing a character or the Narrator.

- **11 Choral movement:** When the two or more characters do the same movement at the same time
- **12 Choral voice**: When the two or more characters say the same line at the same time
- **13 Group role:** When more than one actor represents one character
- 14 Moral: A story that has a lesson
- **15 Exaggeration:** To make something bigger/larger than it actually is
- **16 Repetition:** To repeat something more than once
- **Ensemble:** This is a French word for group. Working as an ensemble means working or moving or talking together as a chorus.

DANCE

Physical and Expressive Skills

- Flexibility: The range of movement in the joints (involving muscles, tendons and ligaments).
- **2 Balance**: A steady or held position achieved by an even distribution of weight.
- **3 Stamina**: Ability to maintain physical and mental energy over periods of time.
- 4 Strength: Muscular power.
- **5 Focus**: Use of the eyes to enhance performance or interpretative qualities.
- **6 Projection**: The energy the dancer uses to connect with and draw in the audience.
- **7 Musicality**: The ability to make the unique qualities of the accompaniment evident in performance.
- 8 <u>Safe Practice</u>: To include warm up and appropriate clothing.

DANCE

Creating and Developing a Motif

- 1 Using actions, space, dynamics and relationship content.
- 2 Choreographic devices to manipulate movement such as repetition, unison, canon and contrast.
- 3 Choreographic process to include research, improvisation, refinement and development.

ENGLISH - READING ANALYSIS

1. What, How and Why prompts

What is the writer doing?

- The writer is ...
- In the novel ... the writer uses ... to ...
- The writer creates an atmosphere of ... by using ...

In Chapter 8 of Treasure Island the write describes Long John Silver as a physical strong and able character.

How are they doing this? How do they use the language/language techniques/structure to do this? How do key words/phrases show this?

- For example (add quotation) the use of ...
- The adjective/alliteration/simile/metaphor ...
- This suggests/implies/demonstrates/presents/ highlights/
- The writer uses ... coupled with ... to highlight ...

For example, 'under the left shoulder he carried a crutch, which he managed with wonderful dexterity, hopping about upon it like a bird.' The simile 'hopping like a bird' suggests that Long John Silver is very happy.

Why are they doing this? Why did they choose that language? Why might they want us to interpret it in different ways?

- This may suggest ... Alternatively it may suggest ...
- The writer wants to create a feeling of ... Additionally it may suggest ...

This may suggest that despite losing a leg Long John Silver is not physically held back in any way, rather is able to move lightly and happily. Alternatively, it may suggest that Long John Silver is always looking for a way to escape the inn in the way that a bird might fly away at any moment.

3. Writing	about the
effect	

3a. How the reader feels:

The writer makes the reader feel ...

- Suspicion
- Outrage
- Disgust
- Curious
- Calm
- Joyous
- Anxiety
- Irritation
- Compassion
- Respect
- Horror

3b. Vocabulary to write about texts

The writer ...

- Builds
- Develops
- Contrasts
- Intensifies
- Reinforces
- Highlights
- Begins
- Maintains

Emphasises

Organises

- Introduces Narra
 - Chronological structure: arranged in order of time.
 - Tense: past, present, future

Dialogue: the speech of a character indicted by speech marks.

4. Literary Techniques 4a. Language Techniques:

Emotive language: language used to provoke strong feelings in the reader.

Rhetorical question: a question designed not to require an answer. **Imagery**: vivid description of a particular scene.

Adverb: modifies a verb, adjective, adverb or phrase.

Metaphor: direct comparison of two things without using 'like' or 'as'. **Repetition**: the repeating of key words or ideas.

Alliteration: words close to or next to each other that start with the same sound.

Onomatopoeia: Words used to imitate sound.

Personification: Non-human things that are given human characteristics.

Simile: A comparison using like or as.

Tripartite sentence or triple: giving three reasons or explanations of something.

4b. Structural Techniques:

Contrast: the deliberate positioning of two or more objects/events/characters who have distinctly different characteristics.

Listing: a number of connected items written one after the other to emphasise a particular quality.

Shifts in focus: the change of focus in or between paragraphs

Zooming in and zooming out: the narrowing and the widening of narrative focus.

Narrative voice: 1st, 2nd, 3rd person

ENGLISH – WRITING

1. FICTION WRITING		
1a. Literary Terminology		
1 st person narrator	Written from the perspective of 'I'.	
omniscient narrator	An all seeing, all wise narrator	
symbolism	The use of symbols to represent ideas or qualities	
motif	Repeated image or idea.	
foreshadowing	A warning or indication of a future event.	
onomatopoeia	Words that when spoken aloud sound like their meaning.	
metaphor	A comparison of one thing to another saying it is something else.	
personification	The attribution of a personal nature or human characteristics to something non- human.	
simile	A comparison of one thing to another using like or as.	
Extended metaphor	Comparison between two unlike things that continues throughout a series of sentences in a paragraph.	
Pathetic fallacy	When the weather reflects the feelings of the character and/or mood of the piece.	
alliteration	The occurrence of the same letter or sound at the beginning of adjacent or closely connected words.	

1b. Part Story Structure for Narrative Writing

Exposition	Rising Action	Climax	Denouement	Resolution
This is where you outline your setting, introduce your main characters and the time in which your story is set.	The author puts the character into a complicated situation and forces them into an irreversible situation.	The story reaches a crucial moment. The tension builds reaching a peak.	The story explores the consequences of the climax. The tension starts to ease.	The story's central problem is finally resolved leaving the reader with a sense of completion.

1c. Ideas to structure a piece of Descriptive writing.

Drop: How can we drop the reader into the action

Shift: will we shift in time, mood or place? Decide where you want to take your piece of writing.

Zoom in: What tiny detail shall we zoom in on and write a lot about? **Zoom out**: Returning to the main scene what shall we focus on? **Leave**: Write a one-line paragraph that finishes off your piece.

2a. Key Terminology

bias	An inclination or prejudice for or against one person or group.
humour	The quality of being amusing or comic.
tone	The choice of writing style the writer employs to convey specific feelings, emotions or attitudes.
empathy	The ability to understand and share the feelings of another.
anecdote	A short amusing or interesting story about a real incident or person.
irony	A state of affairs or an event that seems deliberately contrary to what one expects and is often amusing as a result.
rhetoric	The art of effective persuasive writing often using a range of persuasive techniques such as alliteration, facts, rhetorical questions and tripartite sentences.
persuasion	To convince someone through rational argument that your opinion is correct.
imperatives	Phrases used to give orders, commands, warning or instructions
pathos	A quality that evokes pity or sadness.
logos	To appeal to logic and reason
ethos	To appeal to people's sense of right and wrong.

2b. Forms of Non-Fiction Writing

Article	Letter	Essay	Speech	Leaflet
Clear/apt original title Strapline/ subheading Subheadings Introductory paragraph	Dear Sir/Madam or name Addresses Date Paragraphs Yours sincerely/ faithfully	An effective introduction and conclusion.	Clear address to audience Rhetorical indicators that an audience is being addressed throughout A clear sign off	Clear/apt/original title Organisational devices such as inventive subheadings or boxes Bullet points

2c. Ideas to structure a piece of Non-Fiction writing.

Plan 1Plan 2Introduction outlining your point of view/argument
Point 1 (your 1st reason for or against)Introduction
Point 1 (how
Point 2 (your 2nd reason for or against)Point 3 (your 3rd reason for or against)
Point 3 (your 3rd reason for or against)Point 3 (how
Point 3 (how
Conclusion – briefly concluding your argument with a
strong statement.

Introduction outlining your point of view/argument. Point 1 (how the issue affects you locally) Point 2 (how the issue affects the country) Point 3 (how the issue affects the world) Conclusion – briefly concluding your argument with a strong statement.

ENGLISH - INTRODUCTION TO ANALYSIS

1. CONTEXT

Author: Anthony Horowitz
<u>Nationality:</u> British
Short story: 'Man with the Yellow Face'
Other notable works: The Alex Rider series, The Diamond
Brothers series, The Power of Five series.
<u>Era:</u> Modern
Biography
He currently lives in central London.
Author: Alice Walker
<u>Nationality:</u> American
Short story: 'The Flowers'
Other notable works: The Colour Purple, The Third Life of
George Copeland.
<u>Era:</u> 1950s to modern day.
<u>Biography</u>
 After meeting Martin Luther King Jr. she became a key
figure in the Civil Rights movement of the 1960s.
Author: Guy de Maupassant
Nationality: French
Short story: 'The Vendetta'
Other notable works: Bel Ami (1885), Notre Coeur (1890)
<u>Era:</u> Victorian
Biography
 born on 5 August 1850, near Dieppe, France
Author: O'Henry (real name William Sidney Porter)
Nationality: American
Short story: 'Hearts and Hands'
Other notable works: The Gift of the Magi, The Cop and the
Anthem
Era: Early 20th Century
Biography
 born on September 11, 1862, in Greensboro, North
Carolina.
Author: Roald Dahl
Nationality: British
Short story: 'Hearts and Hands'
$\underline{\mbox{Other notable works:}}$ The BFG, The Twits, James and the Giant
Peach
<u>Era:</u> Modern
Biography
• British novelist, short-story writer, poet, screenwriter, and
wartime fighter pilot.

2. KEY TERMINOLOGY		
alliteration	The repetition of the same consonant sound, often at the beginning of words.	
allusion	An expression designed to call something to mind without mentioning it explicitly.	
climax	The point of highest tension in a narrative.	
emotive language	Word choice which is used to evoke emotion in the reader	
exposition	Refers to part of the story used to introduce background information about events, settings, characters etc. to the reader.	
extended metaphor	A metaphor that is developed throughout a poem.	
falling action	Occurs immediately after the climax, when the main problem of the story has been resolved.	
imagery	A literary device used to create a particular image to convey the key ideas/messages of themes in a text.	
juxtaposition	When two or more ideas, images, words etc. are placed side by side to develop comparisons and contrasts.	
metaphor	A comparison in which one thing is said to be another.	
onomatopoeia	The use of a word that sounds like its meaning.	
personification	The attribution of human feelings, emotions, or sensations to an inanimate object.	
repetition	A literary device which repeats the same word or phrase a few times to make it memorable	
rhetorical question	A question asked for dramatic effect or to make a point rather than to receive an answer.	
rising action	A related series of incidents in a literary plot that build toward the point of greatest excitement/ interest.	
simile	A comparison that uses 'like' or 'as'.	
structure	The way a text is organised.	
symbolism	The use of symbols to express ideas or qualities.	

3. KEY VOCABULARY

ambiguous	that can be understood in more than one way; having different meanings
genre	a particular type or style of literature, art, film or music that you can recognize because of its special features
mystery	something that is difficult to understand or to explain
suspense	a feeling of worry or excitement that you have when you feel that something is going to happen
characterisation	the way that a writer makes characters in a book or play seem real
atmosphere	the feeling or mood that you have in a particular place or situation; a feeling between two people or in a group of people
smokehouse	a place where food is preserved using smoke from wood fires
tremors	a slight shaking movement in a part of your body caused, for example, by cold or fear
sharecropper	a farmer who gives part of his or her crop as rent to the owner of the land
desolate	(of a place) empty and without people, making you feel sad or frightened
isolated	(of buildings and places) far away from any others
Sardinia	a large island off the coast of Italy. It is part of the country Italy.
avenged	to punish or hurt somebody in return for something bad or wrong that they have done to you, your family or friends
vendetta	a long period of violence between two families or groups, in which people are murdered in return for previous murders
vindictive	showing a strong and unreasonable desire to harm or upset somebody because you think that they have harmed you
savage	aggressive and violent; causing great harm

ENGLISH – 19TH CENTURY LITERATURE – TREASURE ISLAND

1. CONTEXT

Author: Robert Louis Stevenson (1850-1894) Nationality: Scottish Other notable works: 'The Strange Case of Dr. Jekyll & Mr. Hyde', 'Kidnapped' and 'The Master of Ballantrea' Dates: Writher 1881, published 1883

Genre: Adventure, Bildungsroman, Quest narrative Set: The events take place in the mid-18th century

Two separate locations: Admiral Benbow, a small sea-side inn situated

in Black Hill Cove, near Bristol on the South-western coast of England (opening) and an island off the coast of 'Spanish America' (*Treasure Island*)

Author biography

- Born in Edinburgh, Scotland, in November 1850.
- The only child of a prosperous middle-class family.
- Two of the most important influences on his childhood were his family's strict Presbyterian religion and his own ill health.
 Travelled widely is coarse of health.
- Travelled widely in search of health.
- Aged sixteen, he followed in his father's footsteps by studying engineering at Edinburgh University. He later abandoned this to study law, although he never practised.
- His passion for reading developed in childhood and inspired him to write.
- Started writing periodical, short stories, travel pieces and essays.
 Treasure Island was his first full fiction novel and brought him wide spread fame.

Social & historical background

- In the 18th Century between 1713 and about 1725, thousands of pirates prowled the Atlantic.
- This time period was referred to as the so-called 'Golden Age of Piracy'.
- Many government officials, particularly in the American colonies, turned a blind eye to piracy, and often supported it.
- Trading vessels from European countries, e.g. Great Britain were an easy target.
- Many men turned to piracy partly because were badly treated and poorly paid so often volunteered to join their captors.
- The crews of naval or merchant ships served under the strict rule of a captain and officers they had not chosen.
- Pirate crews were generally democratic each crew would elect their captain and depose them if they were unhappy.
- Stolen coins, precious metals, and other non-perishable items were often hard to sell so stored in safe places until they could return to sell for a profit.
- Pirates buried their loot on one of the many small islands around the Caribbean Sea.
- Many men who sailed under pirate flags were in their teens, or even younger. Before they turned forty, many pirates were retired, blind, crippled, or dead.
- A chance to recover a large amount of treasure would have been a dream come true for older pirates like Billy Bones and Pew.

2. KEY CHARACTERS
Jim Hawkins: twelve or thirteen year old boy. Son of an innkeeper and the novel's protagonist and principal narrator.
Mr. & Mrs Hawkins: Jim's parents.
Squire John Trelawney: a country squire; a wealthy man who finances the trip to Treasure Island.
Captain Alexander Smollett : the new captain of the <i>Hispaniola</i> , the ship Squire Trelawney has bought.
Dr. David Livesey: a local Doctor and district magistrate who is a minor narrator in Chapters 16–18.
Mr. Arrow: the First office of the Hispaniola; a drunkard.
Billy Bones ("The Captain"): an old sailor; a pirate.
Black Dog: Billy Bones' old shipmate; another pirate.
Long John Silver: a Bristol tavern-keeper; ship's cook; another pirate.
Pew: A blind beggar; another pirate.
Ben Gunn: the "man of the island,"; a reformed pirate.
Tom Redruth, Hunter, Joyce: servants of Squire Trelawney.
Abraham Gray, Tom, Alan: honest seaman on the Hispaniola.
Job Anderson, Israel Hands, Tom Morgan, George Merry, O'Brien, Dick: crewmen on the <i>Hispaniola</i> ; Pirates.

3. KEY TERMINOLOGY

Bildungsroman	A type of novel which focuses on the education, spiritual, psychological and moral development of its protagonist from childhood to adulthood (also known as a 'coming of age novel')
literary conventions	Defining features of particular literary genres, such as novel, short story, ballad, sonnet, and play.
quest narrative	A quest is used as a plot device in mythology and fiction. The story follows a difficult journey towards a goal, often symbolic or allegorical.
protagonist	The central character or leading figure in a poem, narrative, novel or any other story. Sometimes can also be referred to as a "hero" by the audience or readers.

4. KEY VOCABULARY		
	Definition	
hero	A main character in a literary work who, in the face of danger, combats adversity through feats of resourcefulness, bravery or strength.	
heroism	The qualities of a hero or heroine; exceptional or heroic courage when facing danger.	
villain	A character in a novel, play or film whose evil actions or motives are important to the plot.	
moral ambiguity	A lack of certainty about whether something is right or wrong.	
coracle	A short roundish boat of skins or waterproofed canvas stretched over a wood or wicker frame.	
piracy	Typically an act of robbery or criminal violence at sea.	
mutiny	An open rebellion against the proper authorities, especially by soldiers or sailors against their officers.	
mutineers	A person, especially a soldier or sailor, who rebels or refuses to obey the orders of a person in authority.	
marooned	To leave someone trapped and alone in an inaccessible place, especially a island, as a means of punishment.	
plunder	To steal goods from (a place or person), typically using force and in a time of war or civil disorder.	
Davy Jones	In folklore, the spirit of the sea, or the sea personified; used by sailors of the eighteenth and nineteenth centuries.	
booty	The term given to stolen treasure, plunder, or any valuables gained by deceitful or dishonest means.	

3. KEY TERMINOLOGY

stock characters archetype	A fictional character based on a common stereotypes. Stock
	characters rely heavily on cultural types or names for their personality,
	manner of speech, and other characteristics.
	A typical character, an action, or a situation that seems to represent
	universal patterns of human nature. Also known as "universal
	symbol," which may be a character, a theme, a symbol, or even a
	setting.
	A narrative or mode of storytelling in which the narrator appears as
first person	the 'I' recollecting his or her own part in the events which occur, either
narrative	as a witness of the action or as an important participant in it.
	(narrative perspective)
foreshadowing	A literary device in which a writer gives an advance hint of what is to
	come later in the story.
rising action	A related series of incidents in a literary plot that build toward the
	point of greatest excitement/interest.
climax	The point of highest tension in a narrative.
	l · · ·

FOOD PREPARATION AND NUTRITION

Keywords

Bacteria – A single celled organism that can cause food poisoning.

Contamination types - physical, chemical and





Cross Contamination – When bacteria travels using equipment or food to a different source.

High risk food – Those most likely to encourage bacterial growth e.g. meat, poultry, fish and dairy.

Danger zone – The temperature range in which bacteria thrives.

Ambient temperature – Normal room temperature.

Processes and Techniques



Bridge Hold



Claw Hold

The Eatwell Guide

Tips for healthy eating:

- Base your meals on starchy food 1.
- 2. Eat lots of fruit and vegetables
- Eat more fish 3.
- Cut down on saturated fat and sugar 4.
- 5. Try to eat less salt – not more than 6 g a dav
- Drink plenty of water 6.
- 7. Don't skip breakfast







Electronic scales using for measuring ingredients, e.g. flour, butter, sugar



Macronutrients

Macronutrients are needed by the body in large amounts.

Carbohydrates

- Provide the body with energy.
- Most of our energy should come from ٠ complex starchy food.
- One third of your diet should come from • starch foods.
- If the diet contains more carbohydrates ٠ than the body needs, they will be turned into fat and be stored in the body.

Fats

- Animal fats are usually saturated (solid) • and vegetable fats are usually unsaturated (liquid).
- Saturated animal fats have been linked to • increased cases of heart disease.
- Fat provides us with energy. ٠
- It keeps the body warm. ٠
- It protects and cushions internal organs by • covering them.

Protein

- Essential for growth, repair, maintenance ٠ and energy.
- High biological value (HBV) proteins come ٠ from animals.
- Low biological value (LBV) proteins come • from mainly plant foods.

FOOD PREPARATION AND NUTRITION - RECIPES

FRUIT SALAD

- 1 apple
- 1 orange
- 5 grapes
- Some berries
- 1 kiwi
- a small carton of fruit juice (orange/apple)

a plastic container, with your name on it, to take your fruit salad home in

FAIRY CAKES

100 g self raising flour 100 g butter/margarine 100 g caster sugar 2 eggs 12 cake cases

FRUITY BISCUITS

75 g caster sugar 225 g plain flour 150 g butter

ROCKY ROAD

250 g digestive biscuits
150 g milk chocolate
150 g dark chocolate
100 g butter
150 g golden syrup
100 g chopped dried apricots
75 g raisins







PASTA IN TOMATO SAUCE

200 g pasta shapes 2 tbsp oil 1 small onion 1 clove of garlic 1 small tin tomatoes 1 tbsp tomato puree 1 tbsp mixed herbs 50 g grated cheese



OPTIONAL INGREDIENTS: 1 red/green pepper, 1 courgette, 6 mushrooms

TOMATO AND BASIL TART

1 packet of readymade short curst pastry 2 tomatoes 50 g cheese, e.g. mozzarella, gruyere, cheddar handful of basil leaves 2 eggs 125 ml semi skimmed milk black pepper



MUFFINS

240 ml milk
125 ml sunflower or vegetable oil
2 medium sized eggs
250 g plain flour
100 g sugar
2 heaped tsp baking powder
muffin cases



ALWAYS REMEMBER A CONTAINER TO TAKE YOUR FOOD PRODUCTS HOME!!!!

LEARN SENTENCES

FRANÇAIS

BUILD PARAGRAPHS

1. Tu es comment?						
Bonne question!	Good question!					
Je dirais que	I would say that					
je suis <i>assez</i> fidèle	I am <i>quite</i> loyal					
et <i>très</i> drôle	and <i>very</i> funny					
Mais ma mère dit que	But my mum says that					
Je suis <i>vraiment</i> bavard	I am <i>really</i> chatty					
Par exemple je	For example, I laugh					
rigole avec mes	with my friends in					
amis en cours	lessons					
C'est du n'importe quoi!	It's nonsense!					
Ma mère est	My mum is appoying					
agaçante	sometimes					
quelquefois!	sometimes.					
Elle est polonaise	She is Polish					
Mais elle parle	But she speaks English					
anglaise						
Elle a les cheveux	She has blond hair					
blonds						

2. C'est quoi un bon ami?							
À mon avis,	In my opinion,						
Un bon ami serait	A good friend would be						
poli ou sage	Polite or well- behaved						
Mais aussi travailleur	But also hard-working						
Comme moi	Like me						
Cependant, selon	However, according						
moi,	to me,						
Un bon ami n'est pas	A good friend is not						
Pessimiste	pessimistic						
Aussi, il me ferait rire	Also he would make me laugh						

1997

Elle est née au Pakistan en

Elle est courageuse et forte

elle a lutté pour le droit des

Elle a gagné le prix Nobel de

la paix à l'âge de dix-sept ans.

jeunes filles à l'education

dans son pays.

Elle m'inspire !

3. Tu t'entends b	ien avec ta famille?		
Ça depend!	That depends!		
Je me dispute souvent avec mon frère	I often argue with my brother		
On partage une chamber et il ronfle	We share a room and he snores		
Donc on se chamaille tous les soirs	So we squabble every evening		
Mais je m'entends bien avec ma soeur	But I get on well with my sister		
Cependant, elle habite avec mon père	However she lives with my dad		
Alors, on ne se voit pas souvent	So we don't see each other often		
Elle porte des lunettes	She wears glasses		
Et elle a les yeux bleus	And she has blue eyes		
Elle est grande	She is tall		
Et le Samedi matin on va à	And on Saturday mornings we		
la patinoire ensemble	go to the ice rink together		
4. Qui est	ton modèle?		
La personne que j'admire est	The person who I admire is		
un élève qui s'appelle Malala Yousafzai.	a student who is called Malala Yousafzai.		

1997

her country.

She was born in Pakistan in

she fought for the rights of

She won the Nobel Peace

Prize at the age of 17.

She inspires me !

young girls to an education in

She is brave and strong

5. Tu aimerais être comme qui un jour?

A l'avenir,	In the future
J'aimerais bien être comme Pogba	I would really like to be like Pogba
Il est footballeur français	He's a French footballer
Non seulement est il un bon sportif,	Not only is he a great sportsperson
Mais il travaille en collaboration avec l'UNICEF	But he works in collaboration with Unicef
Je rêve d'être travailleur et généreux comme Pogba	I dream of being hard- working and generous like Pogba
j'aimerais avoir beaucoup d'argent pour aider les autres un jour!	I would like to have lots of money to help others one day!

AIM HIGH PHRASES

1) Qui s'appelle	Who is called
2) Il faut que je sois honnête,	Truth be told,
3) Pour que je puisse être	So that I can be
4) Il serait mieux si j'étais	It would be better if I was
5) Après avoir joué,	After having played,

GEOGRAPHY – TOPIC 1 - DEVELOPMENT

Background information:

Quality of life

- 1. Across the world the standard of living and guality of life can be very different.
- 2. Countries therefore have different classifications (categories/groups), based on the quality of life within them. (A)
- 3. How developed a country is can be measured in different ways. (B)
- 4. There are many reasons why some countries are more developed than others, both physical and human influenced. (A, C)
- 5. World-wide, a number of strategies have been put in place to help improve the quality of life in some of the poorer nations; such as aid and Fairtrade. (D, E, F)
- 6. Aid strategies can have much success. (G)

Α.	Country	classificatio	on			
Develo	pment	How rich c	or poor a country is compared with others.			
Develo country	iped /	Normally h standard c	nas lots of money, many services and a high of living. E.g. UK/USA			
Emerg country	ing /	A country economic improving.	that is undergoing rapid industrialisation and growth. As a result, the quality of life is E.g. China/ India			
Develo country	ping /	Often quite and a lowe	e poor compared to others, fewer services er standard of living.			
The Br	andt line	An imagina developed (poor) sou	ary line which divides countries into the (rich) north (e.g. USA) and the developing th (E.g. Uganda).			
В.	Measurir	ng developn	nent			
Gross capita	L Domestic P (GDP per ca	roduct per apita)	Total number of goods and services sold by a country, divided by it's population.			
Infant mortality			The number of babies that die per 1000 before their 1 st birthday.			
Life expectancy Υ		Ť -0→	The average age you are expected to live to in a country.			
Literacy rate			The % of people that can read and write.			
People	per doctor	Û	The number of people to one doctor.			
Human Development Index			Combines GDP, lit rate, life expectancy.			

The standard of health, comfort, and

happiness experienced by an

individual/group.

- C. Factors which encourage development:
- 1. A strong and stable government (usually a democracy).
- 2. A large coastline for trade (importing and exporting goods).
- 3. Availability of natural resources e.g. oil, coal, fertile soil etc.
- 4. A pleasant climate, ideal for growing crops.

F. What is:

- 1. An unstable or corrupt government, meaning money is not invested properly in the country.
- 2. The country is landlocked, making trade difficult.
- 3. Few natural resources to power industry.

Factors which hinder development:

4. A harsh climate, so can not grow crops reliably.

D.	What i	s aid?		E.	E. Aid - advantages/ disadvantages					
Donor	r	A country another c	that gives aid to	Advantag	es +	1. People learn techniques;	1. People learn new skills e.g. improved farming techniques; so become independent			
Recipient A country which receives aid.			I 2		 Can save lives after a natural disaster e.g. supplying clean water, food and medicines. 					
Bilate	ral	Internation country to	nal aid given by one 🕥 another.	3. Simple the loca			nology e.g. water pumps, are easy for o maintain.			
Multi- latera	I	Aid given Governme like the Re	by NGOs (Non- ental Organisations) ed Cross or Oxfam.	Disadvant	ages	 Countries ca causing pro Corrupt gov not reach th 	 Countries can become dependent upon aid, causing problems if it is removed. Corrupt governments can sell the aid on, so it does 			
Short aid	term	Aid given following an earthq	to support a country a crisis e.g. after where a crisis e.g. after where a country of the countr	3. The recipie are made.			nose in need. Int can end up in debt if loans or deals			
		Aid given	over a prolonged period	G. Ca	se study	/: Tree aid				
Long ⁻ aid	term	of time to support a country's development e.g. teaching farmers different farming techniques.		Background A B acro		A British organisation s across northern Africa	ritish organisation set up In countries along the Sahel oss northern Africa e.g. Mali.			
F	Fairtr	ada		the aid is	n	noisture to stay in the	ture to stay in the area, causing more droughts , and			
··				needed: less f		ess food and water. P (rowing population)	s food and water. Population pressure (an increasingly Dwing population) and little money means trees are			
is:	t II	rade which	developing countries		e	exploited and sold or u	and sold or used as a fuel.			
	a	fair price fo	or their goods.	Features			Success			
	Exar	nples of Fa	airtrade goods:	1. Tree seeds given, so people can develop tree nurseries for food production, this has created 7.2			1. Reliable food source e.g. cashew and shea nuts.			
FAIRTRADE	IRTRADE		million trees and helped over 450,000 people2. Bikes and donkey carts given so			 Money made from the sale of cashew nuts can be used to send children to school improving literacy rates. 				
A	Advantages 🕂 Disadvantages 💳		that p marke	roducts o et to sell	can be taken to	3. Tree roots stop soil erosion				
1. Farr fair an 2. Ens workin	 Farmers receive a 1. Non-Fairtrade fair and decent price. Ensures good working conditions for Non-Fairtrade farmers may lose out. Sales can often be low as the price of 		3. Peopl after t becon	e are tau he trees ne self si	ught how to look so that they can ufficient	meaning that more crops can be grown, increasing profit for farmers				
farmer	farmers. be high.					4. I rees also hold moisture in the area meaning less drought.				

GEOGRAPHY – TOPIC 2 – WORLD OF WORK

Background information:			C.	Influen	ces on employment structure	F.	Employm	ent structure chan	ge in developed countries such as the UK and		
1.	The world of	f work can be classified into four	Impor	ts	Goods brought into a country.		USA.	1 Cheaper to	import from other countries, such as China, also		
 Many factors influence the type of employment sector which will be found within a particular country. (C) 		Expor	ts	Sending goods to another country for sale.	Falling primary and secondary sector		 known as outsourcing. Mechanisation has taken jobs. Raw materials have been exhausted in certain areas (no more 				
3. Industrial (business) location is influenced by some key factors, which are more important for		la duratuia lia atia a		When a country begins to move from primary employment to			left).				
4. 	 some key lactors, when are more important for some industries in comparison to others. (D) Employment structure within countries varies based upon the layer of development. (E) 		Industrialisation		secondary employment, with a rise in manufacturing.	Growing tertiary sector		 Disposable income has increased, so a greater demand for services (restaurants, shops, cinemas etc). A large public sector e.g. health and education, due to a high tax 			
5. I	However, en	nployment structures are not fixed,	Mecha	anisation	When machinery begins to do the jobs which once required humans.			revenue.			
	(F)		Dispo	cablo	The money a person has left to	G.	Features	of tourism			
ю. 7.	vorld-wide. Tourism can	(G) bring both positive and negative	incom	e	spend after they have paid all of their bills.	Tourist		A person who is vis their country/ Interr	iting a place for pleasure. Domestic= travels within ational= travels abroad to another country.		
i	mpacts for t visited). <i>(H)</i>	the host country (country being	D.	Factors	which influence the location of	Positive m effect	ultiplier	The introduction of other industrial sec	a new industry in an area also encourages growth in tors, leading to further growth.		
۸	Classifica	ations of employment		Industr	y Natural resources that are used to	Butler mo	del	Shows how tourist resorts go through six stages, from discovery, growth, success, stagnation to rejuvenation or decline.			
<u> </u>	A. Classifications of employment		Raw materials make things (e.g. cotton, copper)		E		Ecotourism is a form of environmentally friendly tourism which involves				
Emp	Employment When people are in work, receiving a wage and paying tax.		Transp	Transport The links which allow goods an workers to be transported in an		Ecotourism		Ecotourism is designed to be low impact and small scale.			
		When people are not in work,	links of industries.		Mass tourism W		When large numbe	rs of people visit the same place at any one time.			
Uner	nployment	therefore do not receive a wage and do not pay tax.	Labour V		Workers/employed people.	Causes of mass tourism:		rism:			
			A place where raw materials or goods		1.Increasing ease and cost of travel by road, rail and air travel (budget airlines).						
В.	Differen	t employment sectors	Marko	•	are sold.	3.Increase 4.Enhance	e in paid time ed standard	e off work, following of living and more d	j the 1871 Bank Holiday Act. disposable income.		
Prim	ary Ir	ndustries which collect raw	Footlo	ose	location due to natural resources or						
secto	or o	il rigging, mining, quarrying etc.			transport links.	Н.			Tourism in Kenya		
Seco	Secondary Industries which manufacture goods into products such as; car		E.	E. Employment structure differences (3)		Where? Kenya is a Our named Kenya.		a country located on the East coast of Africa ned example is The Maasai Mara National Reserve located in southern			
sector plants, toy assembly plants, bild processing plants, toy assembly plants, bilders at a moderate		Large primary sector, growing secondary sector and a moderate	Positive		ve: 🕂	Negative: —					
	d	ductrice which arrevide a convice	countri	es	tertiary sector.	1. Tourism provides 11		11% of Kenya's	 Mini-buses are driving across the Savanah. Shadows from hot air balloons are scaring the 		
Tertia secto	tiary tor such as; teaching, accounting, health care, sales assistants etc. Emerging countries They have a large secondary sector, rapidly falling primary sector and drowing tertiony sector		2. The N saving	ational Res g many anim infrastructu	erve is protected, als e.g. cheetahs. re projects have	 wildlife. Only 2% of the profit stays with the local people, much is lost to tour companies. 					
Quat secto	ernary d or s	Defined as hi-tech, research and lesign. They include hardware and oftware engineers and harmaceutical companies.	Develo countri	ped es	A large tertiary sector, a growing quaternary sector, both secondary and primary employment is low.	been compa	funded by o anies e.g. no	ew road networks.	 Animals are being fed by tourists, which is stopping them from hunting, impacting the food chain. 		

HISTORY – How did the Normans conquer and control England

Timeline	
5 January 1066	The King of England, Edward the Confessor, dies after a series of strokes. He has no children to take the throne.
6 January 1066	Harold Godwinson is named King of England by the Witan.
20 September 1066	Harald Hardrada arrives in England with around 10,000 men.
25 September 1066	The Battle of Stamford bridge is fought. Harald Hardrada and Tostig are defeated by Godwinson and his Saxon army.
28 September 1066	William of Normandy invades England and orders the creation of a Motte and Bailey castle at Pevensey, East Sussex.
14th October 1066	William of Normandy beats Harold Godwinson at the Battle of Hastings.
1069-70	After a rebellion in the North. William orders villagers to be destroyed. 100,000 people die in what became known as the Harrying of the North.
1086	William commissions the Domesday Book.



The Feudal System

William put in place after 1066. The King gave land to his nobles in return for loyalty, taxes and protection. The majority of Anglo Saxons were at the bottom of the social hierarchy . They would get some land and protection in return they would provide those above with



The Bayeux Tapestry

The Bayeux Tapestry depicts William's invasion, battle and coronation as King of England. The embroidered cloth is 70 meters long and was commissioned by Bishop Odo (William's half brother) to account the events of 1066. The cloth was probably woven by Saxon women and then taken to Bayeux, Normandy to decorate the cathedral there. Today it is exhibited at the Musée de la Tapisserie de Bayeux,

The Battle of Stamford Bridge-25th September 1066

- 300 Vikings long boats carried Harald Hardrada's army from Norway. They attacked and took over York by 24th September.
- Godwinson's army marched quickly north to meet the Viking army. They travelled 300km in just 5 days.
- The two armies met at Stamford Bridge. Godwinson's Saxon army had surprised Hardrada who did not think he would get up to the north in such a short space of time. Hardrada's Viking army is defeated.

The Battle of Hastings -14th October 1066

- William of Normandy and 10,000 solider arrived at Pevensey on 28th September.
- Godwinson's Saxon army march all the way south to oppose the Normans. They take their position on top Senlac Hill. They use a shield wall formation.
- At 9am William's troops charge up the hill. However, the Saxon army's shield wall was holding strong. William pretends to retreat, encouraging Saxons to run down the hill giving up their advantage. Harold Godwinson is then killed. On 25th December 1066, William of Normandy is crowned King of England.

Motte and Bailey Castles

- Motte and Bailey castles were wooden structures built into two parts: a high tower (motte) and a large yard surrounded by a wooden palisade (bailey)
- William built 500 of them as king. They were cheap and easy to build, giving the defender a strategic advantage. However, they could be problematic due to fire and rot.

The Feudal System

- A system of government based on land. This hierarchy helped William control England
- Land was given to 200 barons and 4000 knights. And farmed by 1.5 million peasants.

Violence

- Ain 1069-70 William crushed a rebellion in the north of England. 75% of land was destroyed and 100,,000 people died. This scared the Saxons into submitted to Norman Rule.
- William commissions the Domesday Book in 1086. It is a survey to see how much tax and soldiers he can raise.

Key people

Edward the Confessor	Edward the Confessor was the King of England between 1042-1066. Edward had no sons or daughters which meant there was no clear heir to the throne. This led to a crisis.
Harold Godwinson	Harold Godwinson was a powerful and rich English nobleman. Apparently, Edward and Godwinson as his succor on his deathbed. The day after Edward's death, the royal council known as the Witan, met and declared Godwinson King.
Harald Hardrada	Harald Hardrada was the King of Norway and a Viking warrior. Hardrada translates to 'hard ruler'. He believed he should be king based on the fact that his ancestor, king Cnut, had once ruled England. He invaded England to challenge Godwinson's rule.
Edgar the Atheling	The youngest claimant to the throne. He was the great nephew of Edward the Confessor.

HISTORY – How did the Normans conquer and control England

Key Terms : **Knowledge Outcomes:** Anno Domini, the years before Christ was 1. Which Anglo-Saxon king died in 1066 AD Edward the Confessor A king or queen. Monarch born leaving no clear heir? 2. Which Anglo-Saxon earl was crowned A simple castle with a man-made hill sur-Motte and Bailey Anglo-Saxons Tribes that invaded England from 400 AD by the Witan following the death of Harold Godwinson Castle rounded by a clear defensive area. the king? William's nobles brought over from Nor-3. Which Viking warrior king also A cloth depicting William's conquest. Bayeux Tapestry Normans Harald Hardrada mandv. claimed the English throne? Before Christ, the years before Christ was 4. What suddenly changed in BC Oath A sacred promise witnessed by God. September and allowed William to born. The wind sail the Channel and invade? The majority of Englishmen, at the bottom A large and impressive church in which a Cathedral 5. What was Harold's force of 3,000 of the Feudal System, who had to work the bishop is based. Peasant Housecarls professional soldiers called land for their lord. Group of soldiers who fought on Cavalry A part of a deceased holy person's body or 6. What battle did Harold's army Battle of Stamford horseback Relic belongings kept as an object of respect. fight in the north? Bridge Chronology The order that past events happened in 7. What is the 70m long embroidered Revolt To fight in a violent manner against a ruler Bayeux Tapestry cloth depicting William's victory? One of three challengers to the throne in 8. What tactic did William use to get A barrier created by soldiers with their Claimant 1066. the Saxons off from the top of the A false retreat Shield Wall shields. It was used by Harold Godwinson on Senlac Hill hill? A ceremony where the king is officially Coronation 9. When was William crowned king of A new monarch taking over the throne from crowned. Succession Christmas day 1066 the last monarch England? A book ordered by William detailing the Domesday Book possessions of every village and town in 10. What did William and his nobles Motte and Bailev cas-To examine or investigate somewhere Survey England. build across England? tles The structure of medieval society based 11.What happened in 1069, following The Harrying of the Feudal System on ownership of land. A carefully planned strategy in battle. Tactic a revolt in Durham? North 12.What was the primary reason Fyrd Anglo-Saxon part-time soldier. Seafaring warriors and invaders from Scan-William commissioned the Taxation Viking dinavia Domesday Book? Housecarls Professional Anglo-Saxon soldiers. 13.What do historians use to under-The Royal House of Edward the Confessor. Evidence Wessex stand what happened in the past? A person allowed, by law, to take the title 14.What are the three main elements Collection of Anglo-Saxon noblemen who Nature, origin, Heir Witan of property of somebody after death. advised the king of judging a source provenance? purpose

MATHS

	1. PLACE VALUE AND NUMBER SENSE														
Hundred thousands	Ter thouse	n xnds	Thousands	Hundreds	Tens Units Tenth				hs Hundredths		Thousandths	Ten thousandths		Hundred thousandths	
100 000	10 00	00	1000	100	10	1	•	$\frac{1}{10}$		$\frac{1}{100}$	$\frac{1}{1000}$	$\frac{1}{10000}$		$\frac{1}{100}$	L 000
Order the f	ollowing the si 808, 1 082	numbe mallest 2, 1 208	ers, starting with :: ;, 81 430	Order the f	ollowing the s 0.16, 0.1	numbers, st mallest: 06, 0.1, 0.6	artin	g with	You nur a <	u can also use sym nbers: b a is less than l	bols to compare	ompare http://www.hegartymaths.com			
1. List the nu- lining up the value colum 2. Compare value of eac column, star with the lan- place value	imbers, e place ins. the ch ting gest	TT 1 8 1082	T H T U 2 8 0 8 (3) 1 0 8 2 (1) 1 2 0 8 (2) 1 4 3 0 (4) , 1208, 12 808, 81 430	1. List the numbers, lini up the place value column 2. Compare value of each column, start with the larg place value.	ist the mbers, lining the place $U \cdot \frac{1}{10} \frac{1}{100} \frac{1}{1000}$ $a \ge b$ a is greater than b $U \cdot \frac{1}{10} \frac{1}{100} \frac{1}{1000}$ $0.1 6 0 (3)$ $a \ge b$ a is greater than b $u = columns.$ $0.1 0 6 (2)$ $a \ge b$ a is not equal to b $0 \cdot 1 0 6 (2)$ $0.1 0 6 (2)$ $a \ge b$ a is less than or equal to b $0 \cdot 6 0 0 (1)$ $0.6 0 0 (4)$ $a \ge b$ a is greater than or equal to b $0 \cdot 6 0 0 (4)$ $0.1, 0.106, 0.16, 0.6$ $e^{-1} + 1000$ $e^{-1} + 1000$ $0 \cdot 1, 0.106, 0.16, 0.6$ $e^{-1} + 1000$ $e^{-1} + 1000$ $e^{-1} + 1000$ $0 \cdot 1, 0.106, 0.16, 0.6$ $e^{-1} + 1000$ $e^{-1} + 1000$ $e^{-1} + 1000$ $0 \cdot 1, 0.106, 0.16, 0.6$ $e^{-1} + 1000$ $e^{-1} + 1000$ $e^{-1} + 1000$ $10 \cdot 1000$ $10 \cdot 1000$ $10 \cdot 1000$ $e^{-1} + 10000$ $10 \cdot 1000$ $10 \cdot 1000$ $10 \cdot 1000$ $e^{-1} + 10000$ $10 \cdot 1000$ $10 \cdot 1000$ $10 \cdot 10000$ $e^{-1} + 100000$ $10 \cdot 10000$ $10 \cdot 10000$ $10 \cdot 100000$ $e^{-1} + 1000000$ $10 \cdot 1000000000000000000000000000000000$						nan b b I to b <u>or equal to</u> b han <u>or equal to</u> b 12.2 = 12.20	4. 1 x 3 = 3 2 x 3 = 6 3 x 3 = 9 4 x 3 = 12 5 x 3 = 15 6 x 3 = 18 7 x 3 = 21 8 x 3 = 24 9 x 3 = 27	1x 2> 3> 4> 5> 6> 7> 8>	ES TABLES 4 = 4 1 x 5 = 5 4 = 8 2 x 5 = 10 4 = 12 3 x 5 = 15 4 = 16 4 x 5 = 20 4 = 20 5 x 5 = 25 4 = 24 6 x 5 = 30 4 = 28 7 x 5 = 35 4 = 32 8 x 5 = 40	1 x 5 = 5 2 x 5 = 10 3 x 5 = 15 4 x 5 = 20 5 x 5 = 25 6 x 5 = 30 7 x 5 = 35 8 x 5 = 40 9 x 5 = 45
2. ADDI Addition: Lir place value Add the digi	2. ADDITION AND SUBTRACTION ddition: Line up your numbers in their correct lace value columns. dd the digits in each column					3. PERIMETER The <u>total distance</u> around the outside of a 2D shape. The <u>sum</u> of all side lengths of a 2D shape.						10 x 3 = 30 11 x 3 = 33 12 x 3 = 36 13 x 3 = 39 14 x 3 = 42 15 x 3 = 45	10 11 x 12 13 14 15	0 x 4 = 40 10 x 5 1 x 4 = 44 11 x 5 2 x 4 = 48 12 x 5 3 x 4 = 52 13 x 5 14 x 4 = 56 14 x 5 15 x 4 = 60 15 x 5	$10 \times 5 = 50$ $11 \times 5 = 55$ $12 \times 5 = 60$ $13 \times 5 = 65$ $14 \times 5 = 70$ $15 \times 5 = 75$
<u>Example:</u> Co	lculate 45	563 + 5	$78 + \frac{5 6}{5 1 4}$	$ \begin{array}{c} $						$1 \times 6 = 6$ $2 \times 6 = 12$ $3 \times 6 = 18$ $4 \times 6 = 24$	1 x 2 x 3 x	x 7 = 7 x 7 = 14 x 7 = 21	1 x 8 = 8 2 x 8 = 16 3 x 8 = 24		
Subtraction: correct place Subtract the <u>Example:</u> Co	Line up y value co digits in e lculate 53	our nu lumns. each co 34 + 217	Imbers in their H T Dumn. 5 ² 3 - <u>2 1</u> <u>3 1</u>	U 4 7 7	= 20 m Horizontal lengths = 18 + 11 + 7 = 18 + 18 = 36 m Total perimeter = 20 + 36 = 56 m $= 56 \text{ m}$ $= 18 \text{ m}$						$4 \times 6 = 24$ $5 \times 6 = 30$ $6 \times 6 = 36$ $7 \times 6 = 42$ $8 \times 6 = 48$ $9 \times 6 = 54$ $10 \times 6 = 60$	4) 5) 6) 7) 8) 9) 10	1 x 7 = 28 4 5 x 7 = 35 5 5 x 7 = 42 6 7 x 7 = 49 7 8 x 7 = 56 8 9 x 7 = 63 5 10 x 7 = 70 1	4 x 8 = 32 5 x 8 = 40 6 x 8 = 48 7 x 8 = 56 8 x 8 = 64 9 x 8 = 72 10 x 8 = 80	
KEY VOCABULARY place value, addition, sum, subtract, difference, product, divide, units, perimeter, area, factor, multiple								11 x 6 = 66 12 x 6 = 72 13 x 6 = 78 14 x 6 = 84 15 x 6 = 90	11 x 12 13 14 15	x 7 = 77 x 7 = 84 x 7 = 91 x 7 = 98 x 7 = 105	11 x 8 = 88 12 x 8 = 96 13 x 8 = 104 14 x 8 = 112 15 x 8 = 120				

MATHS



MUSIC

Keywords								
Dynamics		Symbol	Definition					
Fortissimo		ſſ	Very Loud					
Forte		ſ	Loud					
Mezzoforte		mf	Moderately Loud					
Mezzopiano		mp	Moderately Quiet					
Piano		P	Quiet					
Pianissimo		PP	Very Quiet					
Crescendo	-	<	Becoming gradually louder					
Decrescendo		>	Becoming gradually quieter					
Tempo		Definition						
Lento		Slowly						
Largo	- 11	Slow and stately						
Adagio		Leisurely						
Andante		At a walking pace						
Allegro		Fast						
Vivace		Lively						
Presto		Very Quickly						

Musical Instrument Families

Woodwind	Brass
Flute	Trumpet
Clarinet	French horn
Oboe	Trombone
Saxophone	Tuba
Bassoon	
Strings	Percussion
Violin	Timpani
Viola	Piano
Cello	Glockenspiel
Double Bass	Xylophone









RARARA

Semi-quaver – ¼ Beat



Rhythm Rehearsal Guitar

Stretch and Challenge

Listen to the following piece of music. Would you be able to identify each instrument of the orchestra if you heard it again? 'Peter and the Wolf' by Prokofiev <u>https://www.youtube.com/watch?v=9u</u> <u>eGfjBKbiE</u>





PHYSICAL EDUCATION

Components of Fitness

- 1 <u>Balance</u> the ability to maintain centre of mass over a base of support. There are two types of balance: static balance and dynamic balance.
- 2 <u>Coordination</u> the smooth flow of movement needed to perform a motor task efficiently and accurately.
- 3 **<u>Reaction Time</u>** the time taken for a sports performer to respond to a stimulus.
- 4 <u>Agility</u> the ability of a sports performer to quickly and precisely move or change direction without losing balance or time.
- 5 **<u>Power</u>** the product of strength and speed. Expressed as the work done in a unit of time.
- 6 Muscular Strength the maximum force (in kg or N) that can be generated by a muscle or muscle group.
- 7 <u>Speed</u> distance divided by the time taken. Speed is measured in metres per second (m/s).
- 8 **Flexibility** the ability to move a joint fluidly through its complete range of movement.
- 9 <u>Aerobic Endurance</u> the ability of the cardiorespiratory system to work efficiently, supplying nutrients and oxygen to working muscles during sustained physical activity.
- 10 <u>Muscular Endurance</u> the ability of the muscular system to work efficiently, where a muscle can continue contracting over a period of time against a light to moderate fixed resistance load.

	What KPI's will I be assessed in?						
1			Controlled Skills	6	Being a Role Model		
	2		Tactical Thinking	7	Personal Fitness		
	3		Feedback	8	Use of Warm Ups/Cool Downs		
	4		Leadership	9	Active, Healthy Living		
5 Applying		Applying Tactics					
What sports will I be assessed in?		Fundamental Skills					
1	Invasion	I	Football, Hockey, Handball, Basketball, Rugby, Netball		Throwing, Catching, Passing, Dribbling, Tackling, Shooting		
	Net and Wall Badminton, Tennis, Volleyball		Attacking shots, Defensive shots, Serving				
2	2 Artistic Gymnastics and Trampolining		olining	Balance, Travel, Vaulting, Landing, Timing, Rotation, Aesthetics			
3 Striking and Rounders, Stoolball, Softball, Fielding Cricket		ftball,	Striking, Throwing, Catching, Long Barrier, Decision Making				
4	Athletics	etics Long Jump, High Jump, Shotput, Discus, Javelin, Long Distance, Short Distance, Relay		Running, Jumping, Throwing, Pacing			
5	Swimmi	ng	Front Crawl, Backstroke, Breast Stroke, Butterfly, Personal Survival		Streamlining, Breathing, Technique		









PRODUCT DESIGN – Materials and Tools

Tools and Equipment If you are unsure, ask about the use first!

<u>Coping Saw</u> for cutting <u>curved</u> lines in <u>thin</u> material with a thin blade. The blade can be rotated by undoing the handle first.

<u>Tenon Saw</u> for cutting straight vertical cuts. The depth of the cut is restricted by the brass spine. You must stretch the index finger out when using this saw to steady it and get a more accurate cut. Start cutting on a corner, drawing back several times.

Bevel Edge Chisel for removing wood. Always chisel away from yourself. Use only for cutting wood – they must be razor sharp!

Steel Rule Measuring with accuracy up to 1/2 mm depending on your eyes! It starts at zero on the end, unlike a ruler that has material on the end first. Make sure that you look at the measurements from above to get an accurate reading. You also need a sharp pencil!

Bench Hook and Clamp Use the bench hook to help cut wood with accuracy. Top tip – always cut all the way through your work into the bench hook to avoid splintering the back of your work.

Squares: 45 degree and 90 degree Take care of these – your work accuracy depends on them being accurate! You must keep the stock (wooden bit) tight against your work and your pencil must be sharp!

Soldering Iron These are used to join electrical items such as wire, remember to take care because these are very hot, be sensible, use a stand. Apply heat to the whole area to be soldered before putting the solder wire onto the joint.

<u>Machine tools</u> You must not use these unless you have been shown how to by a teacher and you understand! Always ask if you are unsure.

Fret saw for cutting <u>curved</u> lines in <u>thin</u> material with a thin blade. Always keep your fingers clear. Make sure the guard is intact. Cut slowly. Use the clamp to stop wood rattling about.



<u> Pillar Drill</u>

We use this for drilling vertical holes in material. Almost always you will clamp your work down first. Wear glasses, use the guard and know how to turn it off in an emergency. Do not use if you are unsure – ask!



MDF (Medium Density Fibre Board) – a product made of recycled wood dust

Solder – a thin strip of metal used to help stick electronic components together

Switch – a component that allows electricity to go through a circuit

Battery snap – a component that lets you connect a battery to the circuit

Connector block – a component that lets you connect wires together

Wire - red wire is positive, black wire is negative



PRODUCT DESIGN – MATHS ELEMENT



The easiest way to remember these is to ask someone to set you more questions!

Rectangle area:1) 150 cm². 2) 384 cm². 3) 24 m²Circle area:1) 78.57 cm². 2) 28.2 cm². 3) 283.6 m². 4) 452.4 cm²Circle area:1) 78.57 cm². 2) 28.2 cm². 3) 283.6 m². 4) 452.4 cm²Harder question:rectangular area 27 m²; circle area .78 m²; total area = 26.21 m²; carpet cost = £314.55

RELIGIOUS EDUCATION

Hindu Beliefs and Practices

Keyword	yword Definition		
Atman	The Hindu understanding of the soul		
MokshaThe belief that we can escape the cycle of life and one with God			
Karma	An action. Good actions result in good karma and bad actions result in bad karma.		
Samsara	The cycle of life and death		
Reincarnation	The belief that people can be reborn into a new body		
Prejudice	To think of something unfair of someone		
Caste system	An unfair way of categorising people		
Dharma	Refers to a Hindu's duty		
Ahimsa	Belief in non-violence		
Mandir	lir A Hindu temple, place of worship		
Murti	Images of deities that form the focus of worship, in the form of statues and pictures		
Omnipotent God is all-powerful			
Shrine A place regarded as holy because of its association divinity or a sacred holy person			
PujaThe popular ritual of showing devotion to images divine			
Arti tray	An ancient and popular means of connecting with the divine in puja. Each artefact represents an element (air, fire, water, earth)		
Ritual	A religious ceremony observed by believers		
Deity	Supernatural or divine being or god		
Avatar	An incarnation or manifestation of deity		
Ethics	The beliefs about right and wrong		
Vedas	Several texts originating from ancient India written in Vedic Sanskrit and include Hindu scriptures		

Deity	Description	
Brahman	The one God in Hinduism	
Brahma	Manifestation of Brahman in the Trimurti – the creator	
Vishnu	Manifestation of Brahman in the Trimurti – the preserver	
Shiva	Manifestation of Brahman in the Trimurti – the destroyer	
Trimurti	The great triad of gods, consisting of Brahma, Vishnu and Shiva	
HanumanHanuman is a very powerful and strong goodHanuman's image shows him as a strong mthe face of a monkey. He also has a tail.		
Ganesh	The elephant-headed god in Hinduism. Ganesh is one of the most worshipped God in Hinduism. Hindu tradition states that Ganesh is a god of wisdom, success and good luck.	
Rama	Rama is the seventh avatar of the Hindu god Vishnu. His wife is Sita. Their story forms the basis of the celebration of the Diwali festival.	

RELIGIOUS EDUCATION

Hindu Beliefs and Practices

Theme	Explanation		Practice	Explanation
Brahman	Hindus are monotheists as they believe in supernatural or divine being or god, referred to as Brahman. Brahman has different qualities and manifestations of himself in other gods and deities.		Worship in the mandir	The mandir is the home of God and visiting one is similar to visiting God. Hindus use all their senses to direct themselves towards God and raise spirituality. Hindus worship the one God, Brahman and use the statues and idols to connect with God. These statues are called murtis. Each ritual in mandir reminds Hindus of god.
worship	indus may worship anywhere – in mandir, at ome or in the workplace. indus worship to express the value of God rahman. They may worship in temple, called andir, at home or the workplace. The act of orship is called puja. indus use murtis (images of gods) to epresent the divine in the shape of gods or oddesses. Hindu worship may be very noisy nd colourful to awaken Brahman.		Puja	The most popular form of worship is puja, which usually involves adoration of images of the divine, mantras (prayers) and food offerings. Puja uses all the five senses of a human to worship god. Puja is a daily routine for Hindus. It is performed at least once a day, usually in the morning. At the end of puja, any food offered to the god is shared out amongst the worshippers. Food offerings are given called prashad (holy food).
Gandhi	Gandhi was a famous Indian political and religious leader. He was from a wealthy background and pursued a career as a lawyer. He believed in equality and spoke out against the abuse of the 'untouchables'. He named them 'Children of God'. Gandhi said "You must be the change you wish to see in the world", which means that if we want to see any change for better in the world,		How is puja performed?	When a Hindu rings a bell its reveals to God that they are worshipping. A Hindu bends down and travels around clockwise around the deity (on right hand side). During puja, water is used to signify purity. A Hindu offers flowers and fruit to show gratitude. Puja provides Hindus with a close relationship with God, blessings and good karma. The images, statues and music help a Hindu focus only on God. The statues remind a worshipper of the different qualities and aspects of God.
	we should start with ourselves. <u>CHALLENGE</u> Go to this website for further research on Hinduism: <u>http://www.bbc.co.uk/religion/religions/hinduism/</u> Go to this website, watch the videos and complete the quizzes: <u>https://www.bbc.com/bitesize/topics/z73d7ty</u>		The puja tray	The puja tray contains different items that Hindus might use to awaken their senses, as all of a Hindu's senses should be awoken in worship.

SCIENCE – 7BC Biology - Cells

1. Keywords		
Cells:	The building blocks of all living things	
Organelle	A cell structure that has a specific function	
Unicellular	Jar Simple organisms made up of just one cell	
Diffusion Concentration to an area of log concentration to an area of log		
Specialised CellsWhere a cell has adapted in order to carry out a specialised job		
Microscope	An instrument that magnifies objects, enabling visibility of 1000 times or more than what can be seen by the naked human eye	

2. Cell Organelles				
No.	Structure	Function		
1	Ribosomes	Where proteins are made from amino acids		
2	Mitochondria	Where respiration occurs and energy is produced		
3	Cytoplasm	Where chemical reactions occur		
4	Nucleus	Contains genetic material		
5	Cell Membrane	Controls the movement substances into and out of the cell		
Only in plant cells				
6	Chloroplasts	Absorb light for photosynthesis		
7	Vacuole	Keeps the cell turgid to support the plant		
8	Cell Wall	Strengthens the cell		

Membrane-bound organelles

3. Speciali	sed Cells		
Cell	Function		
S	Red Blood Cells – carry oxygen		
No. No.	Nerve Cells – carry nerve impulses		
	Egg Cells – meet up with male sperm cells, then produce food for new cells being formed		
No.	Sperm Cells – meet up with female egg cells		
	Root Hair Cells – to absorb water and minerals		
	Leaf Cells – to absorb sunlight for photosynthesis		

No membrane-bound organelles, only ribosomes

4. Unicellular Organisms Prokaryote Eukaryote Membrane-Mitochondrion enclosed nucleus Nucleoid Capsule (some prokaryotes) Nucleolus Ribosomes Flagellum Cell Wall Cell Membrane (in some eukaryotes) **Eukaryotes Prokaryotes** Have their DNA in a nucleus Have free DNA (not in a nucleus)

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SCIENCE – 7BC Biology - Cells

5. The Organisation of Living Things					
Cell	The structural, function and biological unit of all organisms				
Tissue	Made from a group of cells with a similar structure and function, which all work together to do a particular job				
Organ	Made from a group of different tissues, which all work together to do a particular job				
Organ System	Made from a group of different organs, which all work together to do a particular job				
Cell	Tissue 🔿 Organ 🔿 Organ system				
6. Human Organ Systems					

\sim	00		00	Ø 📎	
A	-	~	-		

	Organ system	Main function	Key organs
А	Respiratory	To get oxygen into the blood and carbon dioxide out of the blood	Lungs, diaphragm ribs
В	Reproductive	The reproduce	Ovaries, uterus (female) Penis, testes (male)
с	Circulatory	The pump blood around the body to deliver oxygen and glucose	Heart, arteries, veins
D	Digestive	Break down and absorption of food	Stomach, liver, small intestine, large intestine, pancreas
E	Skeletal	Support and help you move	Bones

7. Calculations and Using Formulas

size of real object = size of image

magnification

8. The Microscope

1 Coarse Focus	4 Base	7 specimen
2 Fine focus	5 Eyepiece lens	8 Stage
3 Arm/spine	6 Objective lens	9 Light/mirror

SCIENCE – 7CP – Particles and Separation

SCIENCE – 7PE - Energy

1. Energy Stores		
Energy Store	Definition	Example
Kinetic	Energy of a moving object	A moving car
Gravitational Potential	Energy stored by being above ground level	A diver standing on a diving board
Chemical	Energy stored in the bonds between particles	A burger and fries
Electrostatic	Energy stored in charged particles	A build up of static electricity
Thermal	Energy stored in an object that is hot	A hot cup of coffee
Elastic Potential	Energy stored in an object that is stretched or compressed	A stretched bow string
Magnetic	Energy stored in magnetic fields	A magnet
Nuclear	Energy stored in atoms	Nuclear power

4. Ways of Transferring Thermal Energy

Method	Works in	Caused by
Conduction	Solids	particles vibrating into each other
Convection	Liquids and gases	expansion of the space between particles reducing in density
Radiation	All materials and in a vacuum	infra red (IR) radiation being emitted
Insulation	All materials and in a vacuum	stopping thermal energy being transferred

2. Pathways			
Heating	Mechanical Transfer	Electric Current	Radiation
Energy moves from a hot object to a cooler one.	By use of a machine or tool or by an energy wave. E.g. Sound and seismic waves	Charged particles called electrons move around a circuit	All forms of electro- magnetic waves. Such as light, infra red, ultra violet.

SCIENCE – 7PE - Energy

7. Energy Resources			5. Power			6. Electricity Cost		
Energy Resource	Renewable	Advantages	Disadvantages	Power (W)	Energy ÷ Time	E÷t	Energy (KWh) = Power (KW) × Time (Hours)	
Fossil Fuels	No	Low cost, easily transportable.	Produce large amounts of pollution.	Energy (J)	Power x Time	Pxt	Cost (pence) = Energy used	
Nuclear	No	Generates a lot of electricity.	Expensive. Produces dangerous b- products.	Time (s)	Energy ÷ Power	E÷P	(kWh) × Price per unit (pence/kWh)	
		No fuel costs or	Expensive to set up	8 Keywo	rds			
Solar	Yes	pollution.	Doesn't work at night.	o. Keywo	word		Mooning	
Wave	Yes	No fuel costs. Reliable and easily accessible.	Can damage marine ecosystems.	Power The rasecon		The rate of second (c	ne rate of energy transfer in joules per econd (called watts).	
Tidal	Yes	No fuel costs or pollution. Predictable.	Can damage marine ecosystems.	Fuel		A substance that is burned to release the energy it contains.		
Wind	Yes	No fuel costs or pollution.	Not always reliable, noisy.	Energy Resource		A source of energy that can be used to generate electricity.		
Geothermal	Yes	No fuel costs or pollution.	Very few areas where it is accessible.	Law of Conservation o		Energy cannot be created or destroyed, only transformed.		
Biomass	Yes	Low cost, readily available.	Large scale land use requiring irrigation.	Joule (J)		The unit of energy.		
Hydro-electric	Yes	No fuel costs, reliable and easily controlled.	Environmental impact during construction.	Watt (W) The u		The unit o	The unit of power.	

SCIENCE – 7PE - Energy

9. Fossil Fuels	
Fuel	How it is made
Coal	Dead trees and plants become buried underground, over millions of years the pressure underground causes these to form coal.
Oil and Gas	When small sea animals die they become encased in sand, this all gets buried under the sea. Over millions of years the sand becomes rock and the small sea animals form crude oil and natural gas.

10. Generating Electricity 3 Heat Energy is transferred from the chemical store 1 in the fuel to the water. 2 The steam produces is blasted at turbines, which increases their kinetic store so that they turn. 3 The turbines run a generator to generate electricity. 4 The electricity is carried to our homes via the National Grid.

LEARN SENTENCES		ESP <i>A</i>	BUILD PARAGRAPHS			
1. ¿Cómo eres?		Llevas bieئ 3.	5. ¿Quién te gustaría ser en el futuro?			
Buena pregunta!	Good question!	íVaya, eso depende!	Well, that depends!	En el futuro	In the future	
Diría que	I would say that	Me peleo con mi hermano	I argue with my brother (a lot)	Me gustaría ser	I would like to be	<u></u>
Estoy bastante fiel	I am quite loyal	(mucho)		como Cristiano	Like Cristiano	
y muy gracioso/a	and very funny	Compartimos un dormitorio	We share a room	Ronaldo	Ronaldo	
Mi madre dice que	But my mum says that	Y hace demasiado ruido y	And he makes too much noise			
Soy muy hablador/a	l am very chatty	huele	and he smells	fútbolista	great footballer	
Por ejemplo, río con	For example, I laugh	Me llevo bien con mi	I get on well with my sister			
mis amigos en clase	with my friends in	hermana		Sino que usa su	But he uses his	
	lessons	Pero vive con mi padre	But she lives with my dad	fama para ayudar a	a fame to help	
íQué tontería!	It's nonsense!	Así que, no nos vemos tanto	So we don't see each other	otros	others	
A veces, mi madre es	Sometimes, my mum		often	También, es	He is also an ambassador for Unicef.	
molesta	is annoying!	Lleva gafas	She wears glasses	embajador de		
Es polaca	She is Polish	Y tiene los ojos azules	And she has blue eyes	Unicef		
Pero habla inglés	But she speaks English	Es graciosa y í muy alta!	She is funny and very tall!	íEs muv generoso!	He is verv	
Tiene el pelo rubio	She has blond hair	Los sábados por la mañana,	On Saturday mornings we play		generous!	
También, es muy baja	Also, she is very short	jugamos al fútbol juntos	football together			
		1 : Ouión os tu modolo o soguir?		AIM HIGH PHRASES		
2. ¿Cómo es un/a buen/a amigo/a?		4. ¿Quien es la modelo a seguir?		1) Que se llama	Who is called	i –
En mi opinión	In my opinion,	Pues, déjame pensar.	Well, let me think	2) Hay que ser	To be honest (lit	
Un/a buen/a amigo/a A good friend would be		Mi modelo a seguir es	My role model is	honesto	One must be	
sería	Delta de all la la cal	Greta Thunberg porque	Greta Thunberg because		nonest)	
educado/a	Polite or well-behaved	Tiene mucha determinación	She has a lot of determination	3) Para ser In order to be		
Pero también	But also hard-working	Además, es fuerte y	Furthermore, she is strong and	4) Sería mejor si	It would be better if	
trabajador/a		ambiciosa	ambitious.	fuera	I/he/she/it was	
Como yo	Like me	Lucha contra la destrucción	She fights against the	5) Después de	After having played	i –
Sin embargo, segun yo	However, according to	del medioambiente.	destruction of the environment.	jugar		
Un/a huan/a amiga/a	Me,	Admiro a Greta	I admire Greta	6) Lo bueno /	The good / bad thing	
no es	A good menu is not	Come ha ganada muchas	As she has won late of swards	malo es	is	
Pesimista	pessimistic	promios	AS SHE HAS WON IOTS OF AWARDS.	7) Lo mejor /	The best / worst	
También, me hacía reír	Also, he/she would			peor es	thing is	
	make me laugh	IIVIe Inspira mucho!	She really inspires me!	8) íQué guay!	How cool!	44

TEXTILES

TEXTILES

