

Knowledge Organiser

Year 11 Term 4

2023 - 2024

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English Language Paper 2 Question 5

BIG QUESTIONS

How will I be assessed for my non-fiction writing?

What can I do to improve my SPaG?

What makes a piece of nonfiction writing compelling?

What are the different styles of non-fiction writing?

How do I plan an argument?

How do I upgrade my vocabulary?

How do I use persuasive language techniques in my writing?

What do the questions look like?

You will be given a point of view and asked to write a response to it in a specific format, like this:

'Homework has no value. Some students get it done for them; some don't do it at all. Students should be relaxing in their free time.'

Write an article for a broadsheet newspaper in which you explain your point of view on this statement.

Useful transition phrases

'In fact...'

'In general...'

'In detail...'

'In particular...'

'For example...'

'For instance...'

'To demonstrate...'

'To emphasise...'

'To enumerate...'

'To repeat...'

'To clarify...'

'To explain...'

'In other words...' Notably 'To put it Including Like differently...' To be sure 'For one thing...' Namely 'As an illustration...' Chiefly 'In this case...' Truly 'For this reason...' Indeed 'To put it another Certainly way...' Surely 'That is to say...' Markedly 'With attention Such as to...' 'By all means...' 'Don't get me wrong...' 'It is clear to me...'

What should you consider when writing?

Flows from one idea or argument to the next

Engaging opening to the writing.

Powerful finish to the writing.

A carefully chosen and crafted order of ideas including within paragraphs and sentences.

Use of discourse markers/connectives to link complex ideas.

Ideas

Structure

 Complex, detailed ideas with specific examples used to develop them and make them relevant for the reader.

Wide-ranging ideas that cover multiple areas within an argument and avoids repetition.

Vocabulary

Really impressive vocabulary choices chosen for effect

The choice of vocabulary makes the writing interesting and engaging for the reader

aragraphs

 Paragraphs are linked together and in an order that engages the reader and makes their argument easy to follow.

Paragraphs allow the structure of the piece to come through to the reader easily.

Communication

Your argument is clear and makes sense to the reader.

You sound confident in the way you write

The writing is engaging and genuinely interesting for the reader.

The writing has a distinctive voice that flows and feels natural not robotic



The tone (sound of writing) is confident and changes dependent on the point being made.

· The writing is appropriately formal or informal (register).

The pace (speed) of the writing changes depending on the point being made.

J

	This is where a writer will speak directly to their readers in their writing, often using the pronoun 'you'.		These are used to make a piece of writing sound more serious or official. Statistics and facts help to back up opinions and make them sound more authoritative.
Direct Address	You must see that this kind of inaction is wrong, you can do something to change it. Direct address makes the reader feel involved in the text, that they have a sense of responsibility for the topic the writer is explaining, arguing or persuading about. Direct address is a very common technique used in speeches as well.	Facts and Statistics	E.g. <u>75%</u> of all statistics are made up on the spot.
Opinions	It's important to know the differences between facts and opinions when it comes to Paper 2. An opinion is a belief that cannot be proven, but facts are statements of truth that can be proven. Liverpool are the best team in the world – opinion Liverpool beat Crystal Palace 4-3 in January 2019 – fact How do the writers in your two exam texts use facts and opinions? Do they get across a sense of bias or seeming to favour one side of an argument?	Hyperbole 🔐	Exaggerated ideas that aren't meant to be taken literally or at face value. Example: This is the worst day of my life. You see, it probably isn't the worst day of your life, but the use of hyperbole accentuates the point that this was an awful day.
plets	Sometimes these are called 'rules of three' or 'triples', but they all mean the same thing: three ideas in a row. Example: England were <u>rampant, ferocious and destructive</u> against Ireland in the Six Nations Putting three adjectives or ideas together provides emphasis, exaggeration and simply sounds pleasant to the ear. It's true!	otive language	This is a term for any words that try to evoke emotions from the reader, so to make them feel guilty, sad or responsible. Like so: Homelessness is a cruel nightmare that robs people of their dignity – it is hard to believe ordinary people could lead such atrocious lives in the 21st century. Emotive language is very useful for emphasis and exaggeration but also in winning over a read

to your ideas.

-				
Purpose :	WRITING TO ARGUE	WRITING TO PERSUADE	WRITING TO ADVISE	WRITING TO EXPLAIN/INFOR M
What is it?	Giving the case for one side of a debate	Convincing someone that your opinion is right	Providing ways forward for someone.	Explaining your opinion on a topic to your reader.
What does it involve?	Being aware of the other side of a debate	Using your language to convince your leader.	Not reling someone what to delbut giving them options.	You are not convincing people or advising.
What key features do you often find in this type of writing?	Includes counter- arguments, rhetorical questions, facts, statistics, emotive language	Direct address ("you") Alliteration / Adjectives Facts Opinions Rhetorical questions Repetition Exaggeration / Emotive language Statistics Tone / Trinlets	Modal verbs (Should, could, would, will, must, won't, etc – they modify or alter the meanings of verbs). Pronouns (You, he, she, they, I, etc – they replace names). An empathetic and understanding tone. Imperative sentences (A sentence where you command someone to do.	Facts Opinions A neutral and unbiased tone that gets across your opinions on a topic

	Purpose	Audience	Form	Tone
What is it?	Why a text has been written, what the writer was trying to achieve by writing it (see the table above)	The specific people a writer is trying to target through their writing.	A specific type of writing, for instance letters, speeches, essays and so on.	The sound or mood of a piece of writing.
Why is it important ?	The purposes of the two texts given to you in the exam can affect how they are written and the particular language features used. For instance, a persuasive article is going to include more DAFORREST techniques, for instance.	The texts you will analyse in the exam won't necessarily be written for you, they maybe written for other people in other places, times, positions and contexts. Reflect on this as you consider what the writer's attitude is and how they address their audience. If they are giving a speech to a group of doctors then their writing will be different comparing to writing a diary entry for themselves.	You may be given two articles in the exam, but you could be given two completely different types of texts (a letter and a speech, for instance). Always consider the types of writing given to you and how this form of writing will impact on style, tone, register, language features, structure and so on.	Understanding the tone of a text in the exam helps you to understand their attitude and perspective better. Are they angry? Are they sad? Are they quite neutral about the topic? The two texts you are given will likely have very different tones.

Homework Links

- Use GCSEPod Pass4English to improve your SPaG and upgrade your vocabulary.
- Answer practise questions under exam conditions
- Read a range of non-fiction texts like newspapers and blogs.
- Watch or read the news to keep up-to-date.
- Research hot topics which may come up in the exam, such as climate change, recycling, race, social media, etc. Read articles about them and watch documentaries.

Key Vocabulary

 Contrasting connectives,
to show a different
perspective or idea:
However
On the other hand
Alternatively
Despite this
In contrast
Conversely
In spite of this

Use your word banks of key vocabulary from class

Literacy



Sentence Structures

- 1. Independent Clause: A clause that can stand alone as a sentence. E.g. The cat sat on the mat. Contains a subject and a verb.
- 2. Subordinate Clause: A clause that depends on an independent clause to make sense. E.g. Without turning around, the cat sat on the mat.
- 3. Simple Sentence: Contains just one clause (subject + verb) E.g. Tom went to the shops.
- 4. Compound Sentence: Independent Clause + Conjunction (FANBOYS) + Independent Clause (For, And, Nor, But, Yet, So) E.g. Tom went to the shops and he bought some bread.
- 5. Complex Sentence: Contains one main clause and one or more subordinate clause/s. E.g. Although it looked difficult, they still pushed on with the challenge.
- 6. Exclamatory: A sentence that shows great emotions. E.g. I am appalled by your behaviour!
- 7. Imperative: A sentence that gives commands. E.g. Get out!
- 8. Interrogative: A sentence that asks a question (not rhetorical questions). E.g. How much is that?
- 9. Declarative: A sentence that makes a declaration. E.g. She sells sea-shells.

Paragraphs Time Topic Ti P To P Place Person Ti...you move to a new period of time

P ... you move to a different place/location

To ... you move from one topic to another

P ... you bring a new person into your writing, or change from one person to another - including dialogue (speech)

<u>Homophones: words that sound the same but have different meanings</u>

- 1. Their means it belongs to them. E.g. I ate their sweets.
- 2. They're short for they are. E.g. They are going to be cross.
- 3. There refers to a place. E. g. I'm going to hide over there.
- **4. Your –** refers to something that belongs to you. E.g. Your bag.
- **5.** You're contraction of 'you are.' E.g. You're going to win.

Sentence Openers





Punctuation

- Full stops: remember to use a full stop at the end of every sentence.
- Capital Letters: make sure every name of something has a capital letter. E.g.
 California has a capital letter. Also, make sure every new sentence starts with a capital letter.
- Apostrophes: you can use apostrophes to connect certain words together. E.g. It is = It's OR to express belonging or property = John's phone
- Exclamation marks: used to end a sentence to show a strong feeling of emotion like surprise, anger, or shock. E.g. I'm so frightened!
- Ellipses: used to show an omission of words, a pause in thought or to create suspense. *E.g. Suddenly, there it was ... his worst nightmare.*
- Colons: used to precede lists or explanations. E.g. I went to the store and bought a lot of fruit: peaches, apples, oranges and pears. Sarah wrote a story: The Hungry Fish.
- Semi Colons: used to join two related independent clauses. E.g. We made too many mistakes; we lost the game. Also, use a semi-colon instead of a comma, usually in a list. E.g. You will need many backpacking items: a sleeping bag; torch; tent; and pillow.
- Hyphens: you can use hyphens for a number of reasons.
- To separate sentences with added information e.g. I enjoy English as well as Maths.
- To indicate periods of time. E.g. 2000-2006.
- To form hyphenated words. E.g. self-respect.
- To create emphasis. E.g. *Mum loves seafood she absolutely adores seafood*.
- Brackets: use brackets to indicate added information. The sentence should still make sense when removed. E.g. I did my homework, (it took me twenty minutes) and brought it in early.

The 7 Main Commas Rules

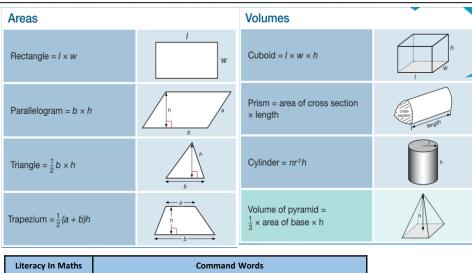
- 1.) Use a comma before a conjunction, (and, but, nor, yet, or, so), to connect two independent clauses.
- E.g. I had an English test last night, so I revised.
- 2.) Use a comma to set off an opening phrase.
- E.g. As such, I feel there is much I can learn.
- 3.) Use a comma when using quotes to separate the quote from the rest of the sentence.
- E.g. Like Bob Johnson said, "It's a great day for hockey".
- 4.) Use a comma to separate adjectives in a descriptive list. *E.g.* The pizza was hot, delicious and freshly cooked.
- 5.) Use a comma to separate three or more things in a series.
- E.g. Of Charles Dickens' novels, I have read "A Christmas Carol", "Oliver Twist", and "Great Expectations".
- 6.) Use a comma with phrases that present a contrast.
- **E.g.** Learning about Hemingway can be highly advantageous for students, not only in their secondary school studies, but also in their future careers.
- 7.) Use a comma to set off a parenthetical element (added information that can be taken out without changing the meaning of the sentence).
- **E.g.** Now, many years after their time, we as a country are faced at the starting ground where these men once were.



Subject:Mathematics Topic: Recall Knowledge

Year / Group: GCSE F/H

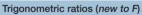
Term: 1-6



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Pythagoras' Theorem

For a right-angled triangle, $a^2 + b^2 = c^2$



$$\sin x^{\circ} = \frac{\text{opp}}{\text{hyp}}, \cos x^{\circ} = \frac{\text{adj}}{\text{hyp}}, \tan x^{\circ} = \frac{\text{opp}}{\text{adj}}$$

Gradient of a Line $m = \frac{y_2 - y_1}{x_2 - x_1}$ or $m = \frac{\text{height}}{\text{base}}$ (x_1, y_1)

Compound measures

Speed

$$speed = \frac{distance}{time}$$



Density

density =
$$\frac{\text{mass}}{\text{volume}}$$



Pressure

pressure =
$$\frac{\text{force}}{\text{area}}$$



Midpoint of two points

 $\begin{array}{ll} \text{between} \\ (\mathbf{x_1}\,,\,\mathbf{y_1}) \text{ and } (\mathbf{x_2}\,,\,\mathbf{y_2}) & \left(\frac{x_1+x_2}{2}\,,\frac{x_1+y_2}{2}\right) \end{array}$

Compound Growth & Decay

The amount after *n* years (or days, etc.) is:

$$\frac{\text{starting}}{\text{amount}} \times \left(1 \pm \frac{r}{100}\right)^n$$

where r is the rate of change. The \pm means + for growth and – for decay

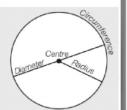
Work out and write your answer Evaluate ... Work out ... Working out is required Calculate ... Working out is required. A calculator may be needed. Solve ... Work out the values All working must be shown in steps to link reasons and values. Prove ... Multiply out of the brackets Expand... Draw... Draw accurately with a pencil and equipment. Explain ... Use words to give reasons Factorise The reverse process of expanding brackets. Remove the HCF. Estimate Work out an approximate answer using rounded values.

Circles

Circumference = $\pi \times \text{diameter}$, $C = \pi d$

Circumference = $2 \times \pi \times \text{ radius, } C = 2\pi r$

Area of a circle = $\pi \times radius squared$, $A = \pi r^2$



Area of a Sector

$$A = \frac{\theta}{360^{\circ}} \times \pi r^2$$

Length of an Arc

$$A = \frac{\theta}{360^{\circ}} \times \pi d$$

Set Notation

Union: in A or B (or both)
A∩B

Intersection: in both A and B

 $P(A \ or \ B) = P(A) + P(B)$

$$P(A \ and \ B) = P(A) \times P(B)$$

Subject: **Mathematics**

Ch20 Further Algebra / Ch15 Constructions Topic:

Year / Group: 11F

Term: 4

BIG

QUESTIONS

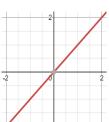
What are the different graphs I can identify and plot?

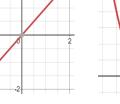
How do I solve equations, including simultaneous equations?

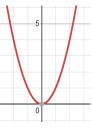
How do I prove a mathematical statement?

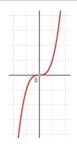
Sparx Maths

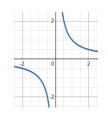
U741, U315, U585, U201, U582, U836, U757, U137, U980, U593











Reciprocal graphs

$$y = \frac{1}{x}$$

Linear graphs y = x

Quadratic graphs $y = x^2$

Cubic graphs $y = x^3$

Change the Subject

Working with inverse operations to isolate a highlighted variable.

When rearranging we **undo the** operations starting from the last one.

Make r the subject :

$$Q = \frac{2r - 7}{3}$$

$$\frac{3}{30} = 2r - 7$$

$$3Q + 7 = 2r$$

$$\div 2$$

$$\frac{3Q+7}{2} = r$$

Linear Graphs

Straight line graphs always have the equation: y = mx + cm is the **gradient** i.e. the steepness of the graph. c is the y intercept i.e. where the graph cuts the y axis.

Parallel lines have the same gradient. e.g. y = 2x + 3 and y = 2x - 1

Perpendicular line gradients are the negative reciprocal of one another e.g. y = 2x and $y = -\frac{1}{2}x$

Find the equation of the line between the coordinates (1,1) and (3,5).

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

Substitute in one of the coordinates to find c y = mx + c

$$m = \frac{5-1}{3-1} = \frac{4}{2} = 2$$

$$y = 2x + c$$

$$-1 = c$$

e.g. (3,5). $5 = (2 \times 3) + c$

$$y = 2x - 1$$

Even numbers are represented by:

This is because if we multiply any integer by 2 then it has an even answer.

2n

Odd numbers are represented by:

2n + 1

This is because if we multiply any integer by 2 then it has an even answer, but then by adding on 1 we make it odd.

Consecutive numbers are numbers which are next to each other. They can be represented by:

$$n.n + 1.n + 2...$$

This is because to get to any next number in a consecutive sequence we simply add on one to the previous term.

Simultaneous Equations

Simultaneous equations are when more than one equation are given, which involve more than one variable. The variables have the same value in each equation.

Simultaneous equations can be solved **algebraically or graphically** whereby the **intersection** of the graphs gives the *x* and *y* values.

We need to make the *y* coefficients the same

 $\times 2$

3x + 2y = 18

3x - y = 9

9x = 36

x = 4

Substitute x = 4 into an original equation:

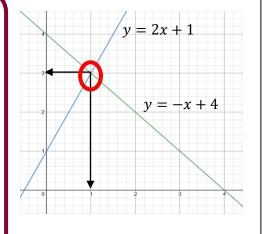
$$3x + 2y = 18$$
$$(3 \times 4) + 2y = 18$$
$$12 + 2y = 18$$
$$2y = 6$$
$$y = 3$$

Check in the other equation:

$$(3 \times 4) - 3 = 9$$

 $12 - 3 = 9$

This is true therefore x = 4 and y = 3

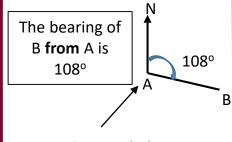


$$x = 1$$
 and $y = 3$

Bearings

Bearings are a type of angle that are used in real life directional instructions. They have **three rules** that they must conform to:

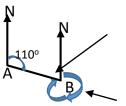
- They must always be measured from North.
- 2) They must always be measured in a **clockwise direction**.
- 3) They must always have **3 figures** e.g. 72° is written as 072°



SSS – Same Sign Subtract DSA – Different Sign Add

Where we start measuring from using our **protractor**

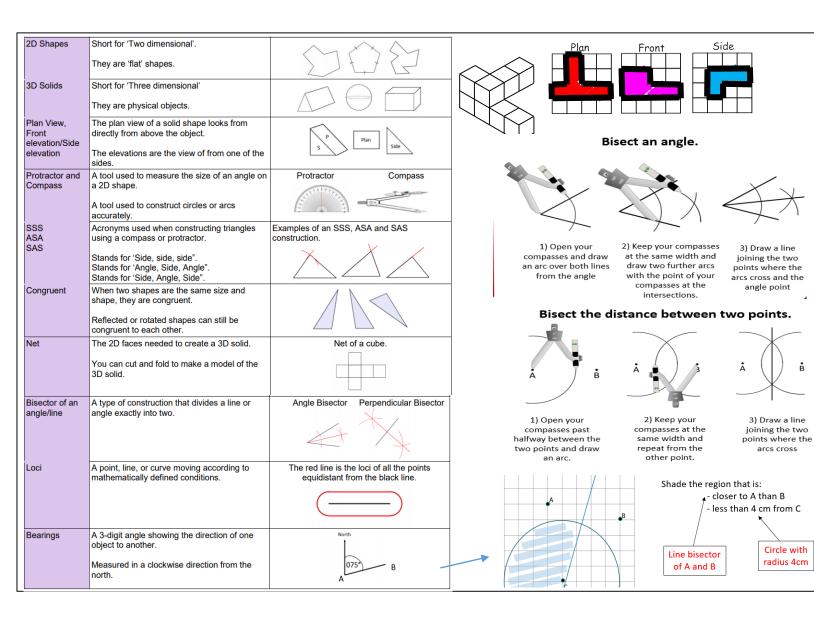
We don't always need a protractor to find bearings, we can use our angle facts knowledge.



Because we know co-interior angles sum to 180°, this angle must be 70°.

The angle we are finding is the clockwise angle from B. We know angles around a point sum to 360°.

The bearing of A from B is 290°



Homework Links

Sparx Maths

MathsGenie.co.uk/ GCSE

Corbettmaths.com/ contents

bbc.co.uk/bitesize/s ubjects

Key Vocabulary

Construction

Plan

Elevation

Solid

Bearing

North

Bisector

Perpendicular

Equidistant

Subject: **Mathematics**

Ch19 Proportion and Graphs Topic:

Velocity

Year / Group: 11H

Term: 4

BIG QUESTIONS

How do Luse and plot statements of proportionality?

How do I use an exponential function?

What can we discern from the gradient and area under different graphs?

Sparx Maths

U238, U357, U640, U364

Direct proportion:

g is directly proportional to the square root of h When g = 18, h = 16Find the possible values of h when g = 2

$$g \propto \sqrt{h}$$
 $g = 4.5\sqrt{h}$ When $g = 2$
 $18 = k\sqrt{16}$ $2 = 4.5\sqrt{h}$
 $18 = 4k$ $\frac{2}{4.5} = \sqrt{h}$
 $4.5 = k$ $\frac{4}{9}^2 = h$
 $g = 4.5\sqrt{h}$ $\frac{16}{81} = h$

Time (t seconds)

Inverse proportion:

The time taken, t, for passengers to be checked-in is inversely proportional to the square of the number of staff, s, working.

It takes 30 minutes passengers to be checked-in when 10 staff are working. How many staff are needed for 120 minutes?

$$t \propto \frac{1}{s^2} \qquad t = \frac{3000}{s^2}$$

$$t = \frac{k}{s^2} \qquad 120 = \frac{3000}{s^2}$$

$$30 = \frac{k}{10^2} \qquad s^2 = \frac{3000}{120}$$

$$3000 = k \qquad s^2 = 25$$

$$t = \frac{3000}{s^2} \qquad s = 5$$

Statements of Proportionality

Variables are directly proportional when the ratio is constant between the quantities.

Variables are inversely proportional when one quantity increases in proportion to the other decreasing.

is the symbol to show that variables are in proportion.

Direct proportion:

 $y \propto x$ y = kx

Inverse proportion:

v ∝ -

v directly $y \propto x^2$ $y = kx^2$		
y directly proportional to x ²	y or x	y = xx
y directly proportional to \sqrt{x}	y oc √x	y = kvx

U640, U721,

Use 3 strips of equal width to find an estimate of the distance travelled in the first 3 seconds.

The strips will either be triangles or trapeziums. You will calculate the area of each section separately and combine the answers for the complete distance.

$$\left(\frac{1\times2}{2}\right) + \left(\frac{(2+3.2)\times1}{2}\right) + \left(\frac{(3.2+3.9)\times1}{2}\right) = 7.15m$$

Area under a Graph

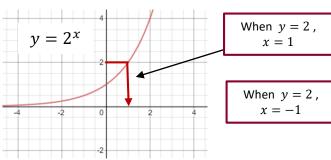
A velocity-time graph (or speed-time graph) is a way of visually expressing a journey. With speed or velocity on the y-axis and time on the x-axis.

A velocity-time graph tells us how someone's speed has changed over a period of time.

The distance completed in the journey can be calculated from the area underneath the curve. **Exponential graphs** are those formed when there is a **power of** x e.g.

$$y = 2^x or y = 3^{2x}$$

Find the **value** of x when y = 2 for both functions. \rightarrow



As the value of x increases the y value tends to infinity.

As the value of x decreases the y value tends to 0 but never reaches it.



As the value of x decreases the y value tends to infinity.

 $v = 2^{-x}$

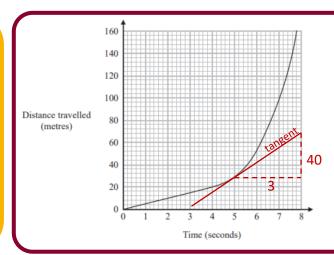
As the value of x increases the y value tends to 0 but never reaches it.

Gradients

When finding an **estimate** of the **gradient** of a curve we must draw a **tangent** to a point on the curve.

We can then find the gradient using:

$$m = \frac{change \ in \ y}{change \ in \ x}$$



The distance-time graph shows information about part of a car journey.

Use the graph to **estimate** the speed of the car at the time of 5 seconds.

Draw a tangent at the point (5, 28) – make sure you use a ruler and a sharp pencil!

$$m = \frac{40}{3} = 13.3 m/s$$

Homework Links

Sparx Maths

MathsGenie.co.uk/ GCSE

Corbettmaths.com/ contents

bbc.co.uk/bitesize/s ubjects

Key Vocabulary

Congruent

Similar

Scale Factor

Linear

Proportion

Inverse

Constant

Trapezium

Exponential

Tangent

Subject: **Mathematics**

Ch18 Vector Arithmetic Topic:

Year / Group: 11H

Term: 5

BIG QUESTIONS

How can vectors be used to solve complex geometrical problems?

Homework Links

MathsGenie.co.uk/ GCSE

Corbettmaths.com/ contents

bbc.co.uk/bitesize/s ubjects

Sparx Maths

U781, U660, U560, U632, U903, U564

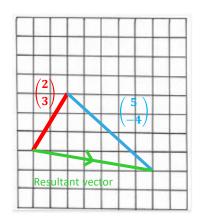
Adding vectors:

Subtracting vectors:

$$\begin{pmatrix} 3 \\ 9 \end{pmatrix} - \begin{pmatrix} 2 \\ -3 \end{pmatrix} = \begin{pmatrix} 3-2 \\ 9-3 \end{pmatrix} = \begin{pmatrix} 1 \\ 12 \end{pmatrix}$$

Vectors and scalar multipliers:

$$2 \binom{8}{-3} = \binom{2 \times 8}{2 \times -3} = \binom{16}{-6}$$



Vectors notation:

$$\overrightarrow{a}$$
 \overrightarrow{AB}

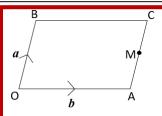
Magnitude: Length of the arrow

Direction: Where the arrow is pointing

Parallel lines of equal length have the same vector.

Parallel lines of different lengths have a multiple of the vector.

Travelling against an arrow changes the sign of the vector.



b) State the vector of \overrightarrow{AO} .

the vector changes sign.

Therefore $\overrightarrow{AO} = -b$

a) State the vector of \overrightarrow{OC} .

 $\overrightarrow{OA} = b$ $\overrightarrow{OB} = a$

As BC is parallel and equal in length to OA, it has the vector value of b.

OABC is a parallelogram. M is the midpoint of AC.

Therefore
$$\overrightarrow{OC} = a + b$$

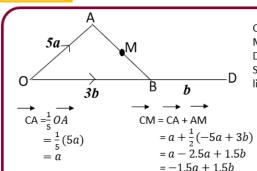
c) State the vector of OM. As AC is parallel and equal in length to As we are travelling against the arrow,

OB. is has the vector value of a. M is the midpoint of AC.

Therefore
$$\overrightarrow{OM} = b + \frac{1}{2}a$$

Parallel lines of different lengths have a multiple of the vector.

For two vectors to form a straight line they must have vector values which are multiples of one another and must have a common point.



C is the point such that OC:CA = 4:1 M is the midpoint of AB. D is the point such that OB:OD = 3:4

Show that C, M and D are on the same straight line.

MD = MB + BD
=
$$\frac{1}{2}(-5a + 3b) + 4b$$

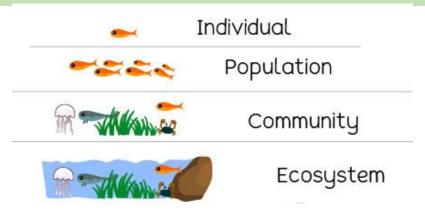
= $-2.5a + 1.5b + b$
= $-2.5a + 2.5b$

C, M and D are on a straight line as CM and MD are multiples of one another and have the common point of M.

Biology 7: Ecology Knowledge Organiser

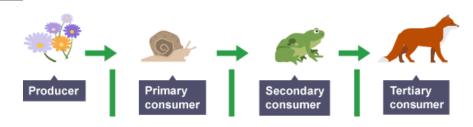
A) interdependence, competition and adaptation

Key term/question	Definition/answer
1. Habitat	The place where an organism lives
2. Population	All the organisms of one species living in a habitat
3. Community	The populations of different species living in habitat
4. Stable community	Population sizes remain roughly constant
5. Abiotic factors	Non-living factors
6. Examples of abiotic factors	1. Moisture level 2. Light intensity 3. Temperature
(5)	4. Carbon dioxide levels for plants 5. Oxygen levels for aquatic organisms
7. Biotic factors	Living factors
8. Examples of biotic factors (4)	<u>1.</u> New predators arriving <u>2.</u> Competition <u>3.</u> New pathogens <u>4.</u> Availability of food
9. Ecosystem	The interactions in a community of the biotic factors
	with the abiotic factors
10. Interdependence	Each species depends on other species for survival (e.g. food, shelter, pollination)
11. What do plants compete for? (4)	1. Light 2. Space 3. Water 4. Nutrients
12. What do animals compete for? (4)	1. Food 2. Territory 3. Water 4. Mates
13. Adaptation	Features that helps an organism survive in the
	conditions of their natural environment
14. Types of adaptation (3)	1. Structural 2. Behavioural 3. Functional
15. Behavioural adaptation	The actions an organism takes (e.g. species migrating
example	to warmer climates during winter)
16. Functional adaptation	How an organism works (e.g. desert animals conserve
example	water by producing little sweat and concentrated urine)
17. Structural adaptation	How an organism is built (e.g. arctic animals have
example	white fur for camouflage)
18. Extremophiles	Microorganisms adapted to live in extreme conditions
	of high temperature, pressure and salt concentrations



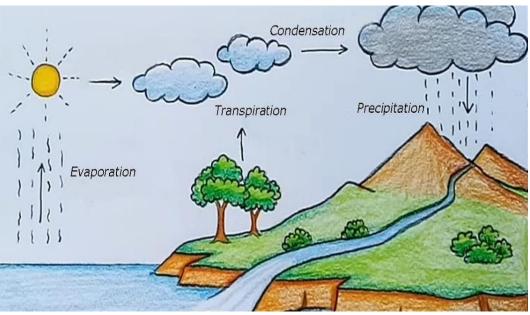
B) Organisation within and ecosystem

Key term/question	Definition/answer
19. Producer	Green plants and algae that photosynthesis
20. Food chain structure	Producer → Primary consumer → Secondary consumer → Tertiary consumer
21. Biomass	Mass of living material in an organism
22. Quadrat	Square frame with known area
23. Transect	Line across a habitat (often string/rope)



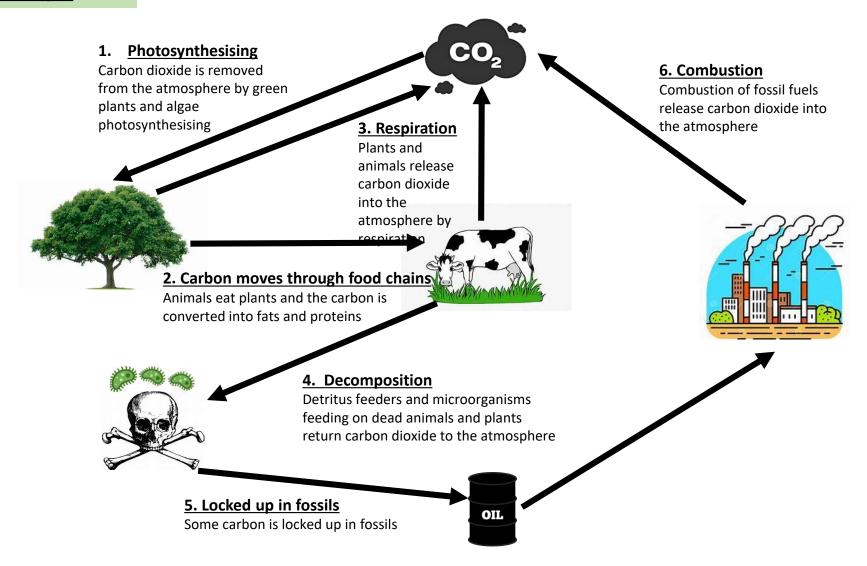
Biology 7: Ecology Knowledge Organiser

C) The water cycle				
Key term/question	Definition/answer			
24. Evaporation	Sun heats earth's surface causing water to go from (liquid → gas)			
25. Transpiration	Water loss from surface of leaves			
26. Condensation	Water vapour cools forming clouds (gas → liquid)			
27. Precipitation	As water droplets get heavier in the cloud they fall as snow, sleet and rain			

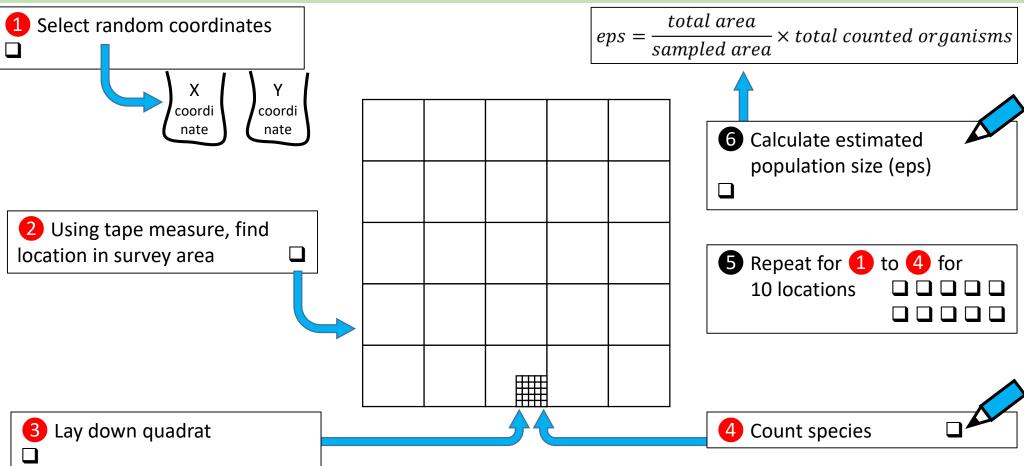


	D) Biodiversity and the effect of human interaction on ecosystems		
	Key term/question	Definition/answer	
	28. Biodiversity	Variety of different species within an ecosystem	
	29. Why has the demand on the environment increased? (2)	1. The human population is increasing 2 . People want a higher standard of living	
	30. Greenhouse gases (3)	<u>1.</u> Methane <u>2.</u> Carbon dioxide <u>3.</u> Water vapour	
ı	31. How do greenhouse gases work?	Absorb and reemit infra-red radiation back to Earth, causing the temperature of the Earth to increase	
	32. Pollution	Introduction of harmful materials into the environment	
	33. Types of pollution (3)	<u>1.</u> Water <u>2.</u> Land <u>3.</u> Air	
	34. Global warming	Increase in temperature of Earth	
	35. Climate change	Impact of global warming on the climate patterns	
	36. Examples of climate change (4)	<u>1.</u> Ice caps melting <u>2.</u> Sea levels rising <u>3.</u> Changes to migration patterns <u>4.</u> Less biodiversity	
	37. Deforestation	Cutting down of forests	
	38. Consequences of deforestation (3)	<u>1.</u> Less biodiversity <u>2.</u> More carbon dioxide released <u>3.</u> Less carbon dioxide taken in	
	39. Bog	Area of land that is acidic and waterlogged	
	40. Peat	Partly rotted plants, which have not fully decayed	
	41. Uses of peat bogs (3)	<u>1.</u> Drained for farmland <u>2.</u> Dried to use as a fuel <u>3.</u> Compost	
	42. Why do plants not fully decay in bogs?	Absence of oxygen	
	43. Ways of maintaining biodiversity (4)	 Breeding programmes for endangered species Protection of rare habitats 3. Government regulations to reduce deforestation 4. Recycling 	
	44. Conflicting pressures of maintaining biodiversity (3)	1. Expensive to protect biodiversity 2. Increase of unemployment 4. Increase in demand of land to build housing	

The Carbon Cycle

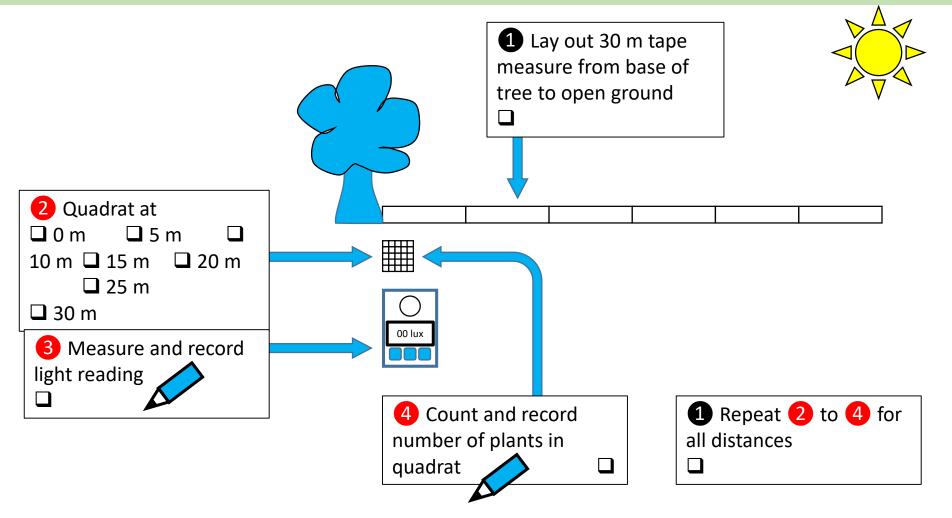


Required practical: Investigating distribution of organisms using a quadrat





Required practical: Investigating distribution of organisms using a transect



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KS4 Biology: Topic 7b Human Impact on the Environment

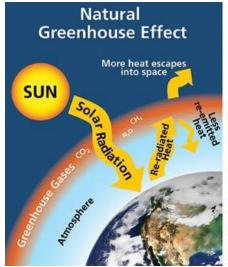
A) Biodiversity and waste

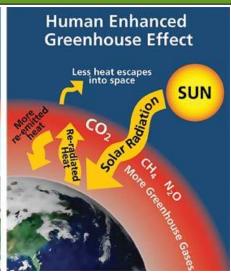
Definition/answer term/question The range of variety of species that live in an ecosystem or Earth – they **Biodiversity** will all interact with each other and populations will change depending on the changes to the environment. World The total number of people living on planet Earth. This has increased population dramatically since around 1800 with improvements in farming and medicine Waste Rubbish that is created by the day-to-day activities of humans. Included in this is are the by-products of producing goods e.g. a mould used to cast a useful product. Water pollution Sewage (Human toilet waste) and toxic chemicals from industry can pollute rivers, lakes, seas and oceans. This harms the ecosystem. Land pollution In addition to rubbish sent to landfill, chemicals used in farming (pesticides and herbicides), buried nuclear waste and industrial waste can pollute the land we live on. Air pollution Smoke, Vapours and acidic gases pollute the air and when falling in rain can pollute the land and water regions of the Earth. Recycling A way to reduce waste by taking products that can be used again or reformed into new ones.

Fossil fuels Fuels made from the remains of organisms that lived millions of years World Population and Growth Rate aster than the y are replaced.

Graph of how the world's population has changed over the last 1000 years. There is a rapid increase from around 1800 (the gradient becomes much steeper) due to improved farming and modern medicine helping people to survive more and live longer.

B) Global warming

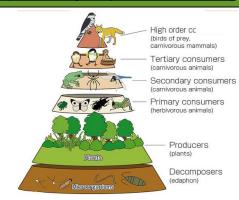




C) Deforestation and land use

Key term/questic	Definition/answer			
Deforestation	The removal of trees from an area to create space for human activities.			
Peat bogs	An area of acidic and waterlogged land. Plants do not decay fully from here so its acts as a carbon store.			
Habitats	Areas that organisms live in. Many organisms are specialised to their habitat and cannot live elsewhere, so die out when their habitat is destroyed.			

D) Maintaining ecosystems and biodiversity



To maintain biodiversity, all parts of the food chain need to be protected.

Chemistry 9: Chemistry of the Atmosphere Knowledge Organiser

A) Evolution of the Earth's Atmosphere			
Key term/question	Definition/answer		
1. Atmosphere	Layer of gases that surrounds a planet.		
2. Main gas of the early atmosphere	Carbon dioxide		
Other gases of the early atmosphere in small amounts (4)	<u>1</u> . Water vapour <u>2</u> . Nitrogen <u>3</u> . Methane <u>4</u> . Ammonia		
4. Gases of the current atmosphere (5)	<u>1</u> . Nitrogen <u>2</u> . Oxygen <u>3</u> . Carbon dioxide <u>4</u> . Water vapour <u>5</u> . Noble gases		
5. Percentage of gases in the current atmosphere	<u>1.</u> Nitrogen = 80% <u>2.</u> Oxygen = 20% <u>3.</u> Carbon dioxide, water vapour and noble gases = less than 1%		
6. Approximate age of Earths current atmosphere?	200 million years		
7. Cause of gases of the early atmosphere	Volcanic eruptions		
8. What happened to the water vapour as the Earth began to cool?	Condensed into oceans		
9. Reasons for carbon dioxide levels decreasing in the atmosphere (4)	 1. CO₂ dissolved into the oceans. 2. Carbonates formed the skeletons and shells of marine animals. 3. Sedimentary rocks and fossil fuels locked up carbon. 4. Plants photosynthesised which removed CO₂ 		
10. Reason for oxygen levels increasing in the atmosphere	Plants photosynthesising releases oxygen into the atmosphere.		
11. Word equation for photosynthesis	Light Carbon dioxide + water> glucose + oxygen		
12. Symbol equation for photosynthesis	Light $6CO_2 + 6H_2O > C_6H_{12}O_6 + 6O_2$		
13. Why do scientists find it hard to agree on one theory?(2)	<u>1</u> . Not enough evidence <u>2</u> . The Earth was created 4.6 billion years ago		
14. Where do scientists publish their findings?	Peer-reviewed journal		
15. What is peer-review?	Other scientists evaluate the results to check they are scientifically accurate with no bias .		

b) Greenhouse gases and climate change		
Key term/question	Definition/answer	
16. Greenhouse gases (3)	1. Methane 2. Carbon dioxide 3. Water vapour	
17. How do greenhouse gases work?	Absorb and reemit infra-red radiation back to Earth, causing the temperature of the Earth to increase.	
18. Global warming	Increase in Earths temperature	
19. Climate change	Impact of global warming on the climate patterns.	
20. Human activities releasing greenhouse gases and causing climate change (4)	1. Deforestation 2. Combustion of fossil fuels 3. Intensive farming of cows and growing rice 4. The breakdown of waste on landfills	
21. Consequences of climate change (4)	1. Melting ice caps which increases flooding 2. More cases of extreme weather 3. Change in migration patterns 4. Loss of biodiversity	

C) Carbon footprint	
Key term/question	Definition/answer
22. Carbon footprint	The amount of carbon dioxide and other greenhouse gases that are released by a product.
23. How can businesses reduce carbon footprint? (5)	1. Using renewable energy sources instead of fossil fuels 2. Government to introduce carbon taxes and licences 3. Carbon capture 4. Carbon off-setting 5. Carbon neutral
24. Why is it difficult to reduce carbon emissions? (3)	1. Insufficient renewable energy resources 2. Difficult to provide for transport systems 3. Limits economic growth

	D) Air pollution	
	Key term/question	Definition/answer
4	25. Complete combustion	Unlimited supply of oxygen to fully oxidise carbon into carbon dioxide.
	26. Incomplete combustion	Limited supply of oxygen which produces soot (carbon) and carbon monoxide.
1	27. Problems with carbon particulates (2)	1. If inhaled causes respiratory problems 2. Causes global dimming
4	28. Global dimming	The decrease in the amount of sunlight reaching the Earth's surface due to particulates.
	29. Dangers of carbon monoxide	Binds to haemoglobin in red blood cells which reduces oxygen levels in the blood.
4	30. How is sulfur dioxide produced?	Burning fuels with sulfur impurities, the sulfur is oxidised.
	31. How are oxides of nitrogen produced?	When fuels burnt in vehicle engines reach high temperatures, nitrogen and oxygen in the air react.
	32. Acid rain	Produced when sulphur dioxide or nitrogen oxides dissolve in rainwater

Chemistry 10: Using Resources Knowledge Organiser

A)	Resour	ces and	Sustaina	bility
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Key term/question	Definition/answer	
1. Why do humans use the Earth's resources for? (4)	1. Warmth 2. Shelter 3. Food 4. Transport	
2. What are natural resources?	Form without human input (e.g. wind and solar energy)	
3. Synthetic products	Products made by humans.	
4. Examples of synthetic products to replace natural products.	1. PVC window frames used to replace wooden frames.	
(3)	2. Rubber polymers used in tyres to replace natural rubber extracted from tree sap.	
	3. Plastic corks used as a wine stopper to replace natural cork made from tree bark.	
5. Renewable resource	A resource that can be replenished at the same rate as it is used.	
6. Non-renewable (finite) resource	A resource that cannot be replenished at the same rate as it is used, so there is a limited supply	
7. Examples of renewable resources (3)	1.Wood 2. Vegetable crops 3. Sustainable fishing	
8. Examples of non-renewable resources	1.Fossil fuels 2. Nuclear fuels 3. Metals	
9. Fossil fuels (3)	1. Coal 2. (Crude) Oil 3. Natural gas	
10. Sustainable development	Takes into account the needs of present society, while not damaging the lives of future generations.	
11. Agriculture	The science and practice of cultivating plants and livestock.	
12. What is agriculture's role in sustainable development?	Provides conditions where natural resources can be enhanced (e.g. using fertilisers to increase crop yield).	
13. Reusing a product	Using a product more than once for the same purpose, or putting a used product to a new purpose (e.g. reusing a shopping bag).	
14. Recycling a product	Using waste products to make new products (e.g. metal cans be melted and moulded into different metal items).	
15. Why is it important to recycle? (4)	1. Uses less energy 2. Saves money 3. Conserves finite resources 4. Reduces the amount of rubbish on landfills	
16. What is a life cycle assessment? (LCAs)	Assesses the environmental impact of the entire lifetime of a product.	
17. Stages of a LCA (4)	1. Extracting the raw materials 2. Manufacturing the product 3. Using the product 4. Disposal of the product	
18. Things to consider for LCAs. (4)	1. Damage to the environment 2. Using large amounts of energy resources 3. Greenhouse gases emissions 4. How long the product lasts	
HIGHER TIER		
Key term/question	Definition/answer	

THOUSE THE R	
Key term/question	Definition/answer
19. Methods for extracting copper from ores (2)	1. Bioleaching 2. Phytomining
20. Bioleaching	Using bacteria to separate copper from its ore
21. Phytomining	Extracting copper from soil by using plants
22. Advantages of bioleaching and phytomining (4)	1. Uses less energy 2. Reduces the use of fossil fuels 3. Reduces greenhouse gas emission 4. reduces habitat destruction
23. Disadvantage of bioleaching and phytomining	Processes take a long time

Chemistry 10: Using Resources Knowledge Organiser

B) Treatment of Fresh Water	
Key term/question	Definition/answer
24. Potable Water	Water that is safe to drink. It contains low levels of dissolved salts.
25. Pure water / distilled water	Only contains H ₂ O molecules
26. How is fresh water collected?	From surface water or as ground water.
27. What is surface water? (3)	<u>1.</u> Lakes <u>2.</u> Rivers <u>3.</u> Reservoirs
28. What is ground water?	Water found in rocks called aquifers which traps water underground.
29. How is fresh water treated? (2)	1. Filtration 2. Sterilisation
30. Filtration	A wire mesh screens out solid objects.
31. Sterilisation	Kills harmful microorganisms
32. Substances used for sterilisation (3)	<u>1.</u> Chlorine gas <u>2.</u> Ozone <u>3.</u> Ultraviolet light

C) Treatment of Waste Water

•	
Key term/question	Definition/answer
33. Stages for treatment of waste	1 .Screening 2 . Sedimentation 3 . Aerobic digestion 4 .
water (sewage water) (4)	Anaerobic digestion
34. Screening	Large bits of material are removed (e.g. twigs, plastic
	bags and grit)
35. Sedimentation stages (3)	<u>1</u> . The screened waste enters into a settlement tank.
	<u>2</u> . The heavier solids sink to the bottom to produce
	sludge.
	<u>3</u> . The less dense effluent floats on the top.
36. Aerobic digestion	Air is pumped into the effluent to encourage aerobic
	bacteria to break down the organic matter
37. Anaerobic digestion	Sludge is broken down by anaerobic bacteria, releasing
	methane gas.
38. Effluent	Liquid sewage waste
39. Aerobic	With oxygen
40. Anaerobic	Without oxygen

D) Treatment of Sea Water: Required Practical 13 – Simple Distillation

	Key term/question	Definition/answer
	41. How is sea water treated? (2)	1. Desalination by simple distillation 2. Reverse osmosis
{	42. Desalination	The process of removing the salt from sea water
]	43. Reverse Osmosis	Sea water is passed through a membrane that allows water molecules to pass through, but traps salt ions.
	44. Simple distillation	Separates a liquid from a mixture when their boiling points are greatly different.
	45. What is simple distillation used for?	To remove salt from sea water
]	46. What is pure water	Water that has been distilled and only contains H ₂ O molecules
1	47. What is the pH of pure water?	7 (neutral)
	48. How to test for pure water	Boil the water. Pure water will boil at 100 °C. Impure water will have a higher boiling point.

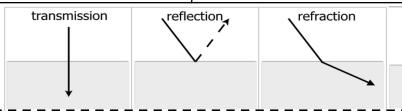
49. How simple distillation works to separate salt from water

- 1. Solution of salt and water is placed into a round bottom flask.
- 2. As the solution is heated, the water will evaporate and pass into a condenser.
- 3. The water vapour will cool and condense in the condenser.
- 4. The pure distilled water is collected in a beaker.

Thermometer Round bottom flask Heat

Physics (P6) Waves Knowledge Organiser

C) Waves at a boundary	
Key term/question	Definition/answer
18. List what happens to a wave at a boundary between two different materials?	1. Reflection 2. Absorption 3. Transmission 4. Refraction
19. Reflection	A wave bounces off the surface of a material
20. Absorption	The wave's energy is transferred to the material and the wave is stopped
21. Transmission	Waves pass through a material
22. Refraction	Wave changes direction as it travels through a material because it changes speed
HIGHER TIER 23. What happens to a wave when entering a less dense material?	Speed increases and bends away from line of normal
HIGHER TIER 24. What happens to a wave when entering a denser material?	Speed decreases and bends towards the line of normal



Electro	Electromagnetic spectrum						
Long	Long wavelength ───── Short wavelength						
Rad		Microwaves	Infrared	Visible light	Ultraviolet	X-rays	Gamma rays
Low frequency → High frequency							

Mnemonic	<u>Spectrum</u>
Ra ging	R adio
M artians	M icrowaves
In vaded	Infrared
V enus	V isible
U sing	U ltraviolet
X -ray	X -rays
G uns	G amma rays

absorption

D) Electromagnetic waves	
Key term/question	Definition/answer
25. What is the	A set of electromagnetic waves all travelling
"electromagnetic spectrum"?	at the same speed in a vacuum
26. Electromagnetic waves with the longest wavelength and lowest frequency	Radio
27. Electromagnet waves with the shortest wavelength and highest frequency	Gamma
28. Uses of radio waves	Television and radio
29. Uses of microwave	Cooking, mobile phones, satellite communications
30. Uses of infra-red waves	electrical heaters, cooking food, infrared cameras
31. Use of visible light	Optical fibres
32. Uses of ultraviolet light	Fluorescent bulbs, tanning beds, Counterfeit note detection
33. Use of X-rays	Medical diagnosis for broken bones
34. Uses of gamma rays	Sterilising medical equipment, treating cancer
35. Dangers of over exposure to ultraviolet light (3)	1. Premature aging of skin 2. skin cancer 3. retinal damage
36. Ionising radiation	Radiation that has enough energy to knock electrons off atoms.
37. Types of ionising radiation	X-rays and gamma rays
38. Dangers to over exposure of x-rays and gamma rays	Cell destruction, Gene mutation and cancer
39. Radiation dose	A measure of the risk of harm from the body being exposed to radiation
40. Unit of measure for radiation dose	Sv = Sieverts

Physics 7: Magnetism and Electromagnetism Knowledge Organiser				
A) Magnetic fields				
Key term/question	Definition/answer			
1. Magnetic field	A region around a magnet where a force acts on another magnet or magnetic material			
2. Define pole on a magnet	The place where the magnetic force is the strongest			
3. What do two magnets next to each other do?	Exert a force on each other			
4. What type of force is a magnetism?	Non-contact force (forces that act without needing to touch)			
5. What is the effect of two like poles on each other? (e.g. N-N)	Repel			
6. What is the effect of two unlike poles on each other? (e.g. N-S)	Attract			
7. Name 4 magnetic materials	Iron, steel, cobalt, nickel			
8. Magnetic field diagrams	A series of lines, that show a magnetic field and its direction			
9. Rules of magnetic field diagrams	1. The arrows show the direction of force from north to south 2. the closer the lines, the stronger the magnetic field			
10. Magnetic field lines on a magnet	11. Magnetic field lines for unlike poles attracting 12. Magnetic field lines for like poles repelling			
13. State one factor that effects the strength of a magnetic field	Distance from magnet			
14. How does a compass work? (3)	1. The Earth has a magnetic field 2. A compass contains a small bar magnet 3. The compass needle points in the direction of the Earth's magnetic field.			
15. What is the evidence that the Earth's core is magnetic?	When a compass is not near a magnet, it always points north.			

Key term/question	Definition/answer
16. How to use a compass to plot the magnetic field lines around a magnet? (4)	1. Place the plotting compass near the magnet on a piece of paper 2. Mark the direction the compass needle points 3. Move the plotting compass to many different positions in the magnetic field, marking the needle direction each time 4. Join the points to show the field lines
17. What are the two types of magnets? (2)	1. Permanent magnet 2. Induced magnet
18. Permanent magnet	Always produces its own magnetic field. The magnetism can not be turned on or off
19. Induced magnet	A material that becomes a magnet when placed in a magnetic field (e.g. iron nail, electromagnet)
20. What happens to an induced magnet when it is removed from the magnetic field?	Loses all of its magnetism
21. What is the force between a permanent and induced magnet?	Always attractive

B) Electromagnetism

Key term/question	Definition/answer
22. What happens when a current flows through a wire?	A magnetic field is produced around wire
23. Factors that effect the strength of the magnetic field around a wire (2)	1. Current 2. Distance from the wire
24. Current	The flow of electrical charge

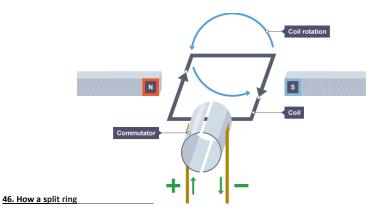
B) Electromagnetism	
Key term/question	Definition/answer
25. How do you determine the direction of the magnetic field around a wire?	Flemings right hand rule (thumb = current direction, fingers = magnetic field direction) Direction of magnetic field
26. What is a solenoid?	A coil of wire Coil of wire (solenoid)
27. Behaviour of magnetic field inside a solenoid	Strong and uniform
28. Behaviour of magnetic field outside the solenoid	Same as a bar magnet
29. How can you increase the strength of a solenoid? (3)	1. Increase current 2. increase number of coils 3. add an iron core
30. Electromagnet	Solenoid (coil of wire) with an iron core. Can switch on and off.
31. Uses of an electromagnet (3)	1. Used in cranes in scrap yards 2. Speaker 3. headphones
32. Why is a electromagnet useful in a scarp yard and a permanent magnet not? (4)	1. Electromagnet can be switched on and off to lift and release cars to move them 2. Permanent magnets cannot be turned on and off so cannot release cars 3. Strength of magnetic fields of electromagnets can be varied to lift different masses 4. Strength of magnetic fields of permanent magnets cannot be varied so can only lift certain masses
33. How can an electromagnet be used to move a magnetic material (5)	1. Turning the electromagnet on completes the circuit 2. Current flows through the coil 3. Magnetic field is produced around the coil and iron core becomes magnetised 4. magnetic material is attracted to the electromagnet 5. Switching off the current turns off the electromagnet and block is released

C) HIGHER TIER – Th	ne motor effect
Key term/question	Definition/answer
34. What is the motor effect?	The force exerted by a conductor and a permanent magnet on each other
35. What does each part of Fleming's lefthand rule stand for?	1. First finger – Field 2. seCond finger – Current 3. ThuMb - thrust (Motion)
36. How to use Fleming's left-hand rule	1. Hold your thumb, first finger and second finger at right angles to each other. 2. The first finger is lined up with magnetic field lines pointing from north to south 3. The second finger is lined up with the current pointing from positive to negative 4. The thumb shows the direction of the motor effect force on the conductor carrying the current
37. How to increase the size of the force? (3)	1. Increasing the strength of the magnetic field 2. increasing the current through the wire 3. Increasing the length of the conductor
38. What is meant by magnetic flux density	Expresses the strength of a magnetic field. How many field (flux) lines are in an area
39. Equation for calculating the size of a force acting on a conductor	Force (N) = magnetic flux density (T) x current (A) x length (m) $F = BII$
40 Unit for force	Newtons (N)
41. Unit for magnetic flux density	Tesla (T)
42. Unit for current	Amp (A)
43. Unit for length	Meters (m)
44. What tends to happen to a coil of wire when placed into a magnetic field?	It rotates

D) HIGHER TIER – Explaining how the motor effect works

45. Using a simple dc motor

- 1. When a direct current (dc) flows through a coil of wire, the current in the left hand part of the coil causes a downward force and current in the right hand part of the coil causes an upward force.
- 2. The coil rotates anti-clockwise because the forces are acting in opposite directions.
- 3. When the coil reaches a vertical position, it moves parallel to the magnetic field, producing no force. This would tend to make the motor come to a stop, but two features allow the coil to continue rotating:
 - The momentum of the motor carries it on round a little
 - A split ring commutator reverses the current direction every half turn



A split ring commutator reverses the current direction, which reverses the direction of the force. This is how it works:

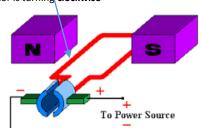
- 1. A split ring commutator is a conducting ring with a gap between the two halves.
- 2. The direct current reaches the commutator by graphite of metal brushes, which maintains the connection while the commutator rotates freely.
- 3. By linking each end of the coil of wire to one half of the split ring commutator, you change the electrical contacts of the coil every half turn. This changes the direction of the current every half turn.
- Therefore, the force acting on each arm of the loop will swap every half turn, allowing rotation to continue in the same direction.

47. Determining the direction that the motor will spin using Fleming's Left-Hand Rule

Example one for motor turning clockwise: Looking at the wire next to the North seeking pole of the magnet...

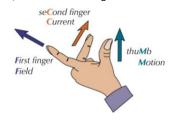
- Magnetic field (first finger) is pointing to the right (North to south).
- Current flow (second finger) is pointing towards you. (Remember, conventional flow is + to -)
- Force/Motion of the wire will be upwards
- So in this case, because the direction of force is upwards, the motor is turning clockwise

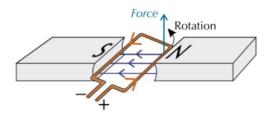




Example two for motor turning anti-clockwise: By swapping over the magnetic poles the motor will turn anti-clockwise

- Magnetic field (first finger) is pointing to the left (North to south).
- Current flow (second finger) is pointing away from you.
 (Remember, conventional flow is + to -)
- Force/Motion of the wire will be upwards and away from you.
- So in this case, the motor is turning clockwise





Key term/question	Definition/answer	
48. Direct current	Current that always flows in the same direction	
49. Split ring commutator	A conducting ring with a gap between the two halves	
50 Hearte Service the second service		
50. How to increase the speed on an electrical motor? (3)	1. Increasing the current 2. increasing the strength of the magnetic field Increasing the number of coils	<u>3.</u>

Year: 11 Term: 4

BIG QUESTIONS

1 Introduction – What was the Cold War?

2 Why did relations between the Grand Alliance deteriorate during WW2?

3 Bombs and Telegrams - How and why did the wartime alliance unravel between 1945 and 1946?

4 What was the Iron Curtain and how was it formed?

5 How did the USA try and contain the spread of Communism?

6 How did the Soviets react to the Truman Doctrine and Marshall Plan?

7 How did the Soviets react to the Truman Doctrine and Marshall Plan?

8 What was the Berlin Crisis of 1948-1949?

9 How did the Cold War develop from 1948-55

10 What happened when Hungary threatened to leave the Warsaw Pact?

SUMMARY OF THE PERIOD

Following the end of World War 2 a new 'cold war' emerged between the Superpowers of the USA and the USSR and their allies. Very little, if any, fighting took place but it was a period of great tension as both sides developed huge arsenals including nuclear weapons. The early years saw great tension with both sides establishing policies or alliances to either contain the other side or try to spread their influence. There were numerous flashpoints across Europe and the Cold War spread to Asia with the outbreak of the Korean War. The arms race saw both sides develop Nuclear arsenals.

Key events and dates

February 1945: Yalta Conference

17th July - 2nd August 1945: Potsdam Conference

6th and 9th August 1945: USA drops atomic bombs on Japanese cities of Hiroshima and Nagasaki

2nd September 1945: World War 2 ends

March 1946: Winston Churchill makes his Iron Curtain speech March 1947: President Truman outlines his Truman Doctrine

June 1947: The USA launch the Marshall Plan September 1947: USSR establish COMINFORM

24 Jun 1948 - 12 May 1949: The Berlin Crisis and Berlin Blockade

4 April 1949: NATO established

August 1949: USSR successfully tests their first nuclear weapon

December 1949: By this date the majority of Eastern Europe were a number of USSR Satellite States

14 May 1955: Warsaw Pact signed

23 Oct 1956 – 10 Nov 1956: Hungarian uprising against Communist and USSR control

Key Vocabulary

Communism ideology in which all property is owned by the community and each person contributes and receives according to their ability and needs

Capitalism an economic and political ideology in which a country's trade and industry are controlled by private owners for profit, rather than by the state.

Superpowers A country that is powerful in terms of their wealth and military and will influence other countries and allies

Grand Alliance The name given to the alliance between USA, USSR and Britain during World War 2

Iron Curtain An imaginary divide between the Communist East and Capitalist West in Europe

Containment The idea of trying to stop containment from spreading beyond the USSR and Eastern Europe

Marshall Plan / Marshall Aid The American led programme of supplying aid such as money and resources to countries to help them resist communism

Truman Doctrine The American policy of doing whatever it takes to help countries that were resisting or threatened by Communism

Blockade To stop or prevent something

NATO The North Atlantic Treaty Organisation, an alliance of Western / Capitalist countries created to help protect each other against the threat of communism. Based on the idea of collective security

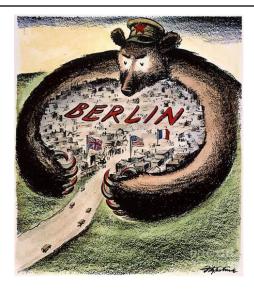
Warsaw Pact An alliance of Communist countries led by the USSR, in effect the USSR's version of NATO

Cominform The USSR's information Bureau that was used to help spread Communist ideology amongst other Communist nations

Comecon The organisation used to co-ordinate Communist economies, in effect the communist version of Marshall Aid

Satellite States country that is formally independent in the world, but under heavy political, economic and military influence or control from another country.







Superpower relations and the Cold War, 1941–91 Cold War Crises

Year: 11 Term: 4

<u>Big</u>

Questions

What was The Berlin Crisis of 1958-61?

How was The Berlin Crisis of 1958-61 resolved?

What Caused the Cuban Missile Crisis?

What happened during the CMC and what were the consequences?

Why did the Soviet Union invade Czechoslovakia in 1968 and what happened?

The Berlin Crisis 1958-61

Causes

The Soviet Union's desire to remove the Western Allies from Berlin created a crisis in 1961.

Problems in East Germany – between 1949 and 1961 about 4 million East Germans fled to the West through Berlin.

The Berlin Ultimatum – 1958 Khrushchev accused allies of breaking the Potsdam Agreement.

Summit Meetings - 1959-61

May 1959 – failed to reach an agreement.

September 1959 - Camp David summit meeting.

May 1960 – Paris summit conference – 9 days before USSR shoot down an American spy plane. Relations sour Vienna June 1961 – Khrushchev demand Western forces leave West Berlin. Kennedy refuses.

Peace talks between the USA and the Soviet Union broke down.

The Berlin Wall 1961.

13th August 1961 Khrushchev closed the borders between East and West Berlin.

A makeshift wall was built and would be replaced by a permanent one.

The USA and its Allies did nothing to stop the wall being built.

Consequences

Peace was maintained.

Permanent separation of East and West – the wall now acted as a symbol of division in Europe.

The flow of refugees was stopped.

Kennedy visited West Germany in 1963 – 'I am a Berliner'.

The Cuban Missile Crisis -

Causes

The USA had strong economic interests in Cuba.

1959 Fidel Castro led a successful revolution to remove the pro-American government (Batista).

USA banned Cuban imports and refused to recognise the government due to its communist links .

The Bay of Pigs 1961 - USA attempt to overthrow Castro.

Total failure for President Kennedy.

This forced Cuba to grow closer to Khrushchev. – agreed to station Soviet nuclear weapons on Cuba.

The Cuban Missile Crisis – Main Events of October 1962

16th – Kennedy learns about the proposed missiles.

20th – Kennedy imposes naval blockade around Cuba.

23rd - Khrushchev sent letter to Kennedy.

24th – Khrushchev states their intention to use nuclear weapons in the event of war.

25th – Kennedy writes to Khrushchev asking for the withdrawal of weapons.

26th – Khrushchev responds – he will withdraw missiles in USA agrees to not to invade and removes missiles in Turkev.

27th – US spy plane shot down over Cuba. USA will withdraw missiles if kept secret.

28th – Khrushchev accepts the deal. These events become known as the 'Thirteen Days'.

Consequences

Hotline

The Limited Test Ban Treaty 1963

The Outer Space Treaty 1967

The Nuclear Non-proliferation 1968

Relations between the superpowers improved.

Czechoslovakia 1968

Causes

Communist Czech leader Antonin Novotny became unpopular. The Czech economy was in decline. Many wanted greater democracy promoted by Alexander Dubcek.

The Prague Spring

Key reforms introduced by Dubcek included – Greater political freedom

Trade restrictions with the west removed Capitalism introduced to the economy

Rights for Trade Unions

10 year program for political reform

These reforms encouraged demands for

further radical reform.

Main Events- Soviet invasion

Brezhnev was worried Czechoslovakia would leave the Warsaw Pact – he was worried the reforms were going too far.

20-1st August Warsaw Pact troops invaded under Soviet orders. Czechs tried to resist the invasion.

Dubcek was arrested and forced to accept the end of the movement towards democracy.

Consequences

Demonstrations against the Soviet invasion continued till April 1969. January 1969 Jan Palach set himself

on fire in protest at the Soviet

invasion.

Soviets issued the Brezhnev Doctrine.

Some countries began to move away from the Warsaw Pact – Romania.

• The West condemned the invasion but sent no military force.

Kev terms

- Brinkmanship practice of pursuing a dangerous policy to the limits of safety before stopping
- CIA Central Intelligence Agency. Foreign intelligence service for he USA.
- Doctrine A belief or set of beliefs
- Free City A city that is also an independent state.
- Non-proliferation The prevention of an increase or spread of something
- Socialism economic theory of social organisation that believes that the means of making, moving, and trading wealth should be owned or controlled by the community as a whole.
 In Marxist theory, it is a temporary state between capitalism and communism.
- Summit conference A meeting of the heads of government.
- Ultimatum A final demand

The end of the Cold War, 1970-91

Big

Questions

What was Détente and why did it occur?

Why did détente end in 1979?

What was the impact of Ronald Reagan on the Cold War?

How did Soviet thinking change under Mikhail Gorbachev?

Why did Soviet control of Eastern Europe end by 1991?

Timeline

1972 - SALT I signed

1974 - Nixon visits Moscow

1975 – Helsinki Agreements

1979 – Soviet invasion of Afghanistan

1980 – USA boycotts Moscow Olympics

1983 – Regan announces the Strategic Defence Initiative (SDI)

1984 – Soviet Union boycotts Los Angeles Olympics

1985 – Regan and Gorbachev meet for the first time at the Geneva Summit

1987 – Intermediate Nuclear Forces Treaty (INF)

1989 – Pulling down of the Berlin Wall

1990 – Collapse of the Soviet Union

1991 – Gorbachev resigns

Keywords

Détente – An attempt to reduce the tension between the USA and the Soviet Union

Glasnost – The name given to Gorbachev's policy of openness encouraging free expression and an end to censorship Guerrilla War – Fighting in small groups against conventional forces, using methods of sabotage and sudden ambush Helsinki Agreements – A series of agreements covering a range of global issues made by 35 countries in 1975

INF Treaty – An agreement to get rid of ground launched ballistic and cruise missiles by June 1991

MAD – Mutually Agreed Destruction The belief that nuclear weapons made each side feel more secure and less likely to attack.

Perestroika – The name given to Gorbachev's policy of economic restructuring.

What was Détente?

Year 11

Causes

- The threat of war during the Cuban Missile Crisis and the hotline that was set up meant that there was no a desire to improve the relationship between the USA & the Soviet Union
- The Test Ban Treaty of 1963 also meant there was a willingness to look at nuclear weapons
- The USA's involvement in the Vietnam War meant that they could not afford to fight two wars

Key Events 1972 - 1975

- Nixon visits Moscow Nixon agrees to take part in European Agreements and Brezhnev helped to ensure that peace was signed between USA and Vietnam in 1973.
- **SALT I** Strategic Arms Limitation Talks seen as a key piece in nuclear arms control.
- Middle East: Yom Kippur War, 1973 The USA and the Soviets worked together to ensure the war ended with a ceasefire in 1973
- **Nixon's visit to Moscow 1974** It was agreed they would continue to work together to remove international tension and military conflict. Ultimate goal was disarmament.
- The Helsinki Agreements SECURITY = recognition of Europe's borders and the existence of West Germany.
 COOPERATION = A call for closer economic, scientific and cultural links meaning closer political agreements. HUMAN RIGHTS = Each had to agree to respect basic freedoms such as thought, speech & religion.
- SALT II The agreement was never ratified (made law) as there was increased concern over Soviet troops in Cuba. The Soviets invaded Afghanistan, worsening relations further.

Soviet Invasion of Afghanistan, 1979

Back ground

In 1978, a communist party in Afghanistan overthrew the government. Many members of the Muslim religious establishment were imprisoned, tortured or murdered. Lots of Muslims joined the *mujahideen* who wanted to overthrow the new communist government.

Causes

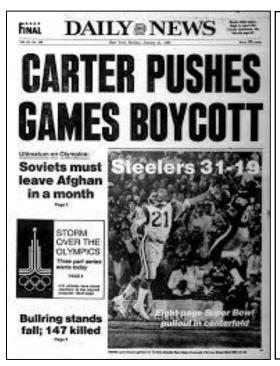
- Afghanistan didn't want to be dependent on the USSR and wanted a peace with the USA
- Brezhnev was concerned about Islamic fundamentalism and saw it as a threat to the Soviet Union
- The Soviets did not want to see the collapse of a neighbouring socialist state
- The Soviets did not want to see the growth of US influence on it's borders

Main Events- Soviet invasion

- 50,000 Soviet troops were sent to Afghanistan to restore order and protect the communist government from the *mujahideen*.
- The leader of the Afghan government (Amin) was shot and replaced with Kamal who had been in exile in Moscow.
- Many Afghan soldiers deserted the government to join the Mujahideen
- The Kamal government needed 85,000 Soviet soldiers to keep it in power.

Consequences

- The Carter Doctrine A policy that stated the USA would use military force if necessary to defend its national interests in the Gulf. It also promised US military aid to all the countries bordering Afghanistan. The USA cancelled all shipments of grain to the Soviet Union, US companies were forbidden to sell any technology equipment to them
- End of <u>Détente</u>. Relations were at their lowest point since the Cuban Missile Crisis.



Moscow Olympics, 1980

America pressured the **Olympic Games Committee** in the US to boycott the Moscow games in 1980. They agreed and 61 other countries followed the US's example. Some of these countries staged an alternative event called the 'Liberty Bell Classic'. In Russia the Soviet Union won 195 medals including 80 golds. The American press ridiculed the games and renamed the Russian mascot a gulag, a reference to Soviet prison camp inmates.

Gorbachev's New Thinking

The Cold War was draining the Soviet's wealth so it could not continue to develop economically. Combined with a falling standard of living for those living in the Soviet Union, there was unrest in the country. He wanted to create a 'NEW' modern style of Soviet socialism and bought in three main strategies:

- Initiating sweeping reforms in the Communist Party. Glasnost (openness, an end to censorship allowing free speech) and perestroika (restructuring all of the state owned businesses)
- Ending the Arms race with the USA and signing various arms reduction agreements
- Abandoning the Brezhnev Doctrine (The ability to invade countries that wanted to leave the Warsaw Pact) and stopping Soviet interference in European Satellite States like Poland and Czechoslovakia.

Regan and the 'Second Cold War'

Back ground

Following the end of Détente. Regan America's new president made it clear he intended to confront the Soviet Union when ever possible. He wanted to increase US defence spending and limit the increasing sphere of influence of the Soviets in Africa and Central America. Regan felt he could win a limited nuclear war against the Soviets using a strategy known as NUTS (Nuclear Utilisation Target Selection). This involved directing his weapons at the opponents warheads, not cities. Tension began to rise due to the acceptance of the MAD (Mutually Assured Destruction) theory, which was the belief that the more weapons each side had, the less likely they would be to attack.

The Strategic Defence Initiative (SDI or Sometimes called Star Wars)

- **SDI** was a plan for ground and space based, laser-armed anti-ballistic missile system. If deployed, this would shield against missiles launched at the US, destroying them in the process.
- Andropov, the Soviet leader accused the USA of preparing the first strike against them and inventing new ways to unleash a nuclear war.
- SDI would give the USA an advantage in any conflict and congress agreed more funds for the development of this programme.

Soviet response to SDI

- In order to compete, the Soviets would have to spend a lot of money they didn't have.
- Soviet economy already had problems, more spending could destroy it completely
- America had won the race to the moon in 1969 and in the 1980's developed the next generation of spacecraft – the space shuttle.
- The Soviets were behind America in computer technology. In the 1980s computer development boomed in the US but the Soviets had been concerned they could undermine the Communist Party.

The Collapse of the Soviet Union

Back ground

Gorbachev issued the Sinatra Doctrine in 1988. This meant that all countries in the Warsaw Pact could decide what path to take, with the Soviet Union accepting the rejection of Communist governments.

The break up of the Soviet Empire 1988 - 91

- Poland began their reforms first in 1989. A non Communist government was elected
- In Hungary they formed a range of political parties in 1989 and free elections proposed for 1990
- Gorbachev began to withdraw troops from Hungary
- Hungary opened it's border with Austria creating the first hole in the Iron Curtain.
- East Germans could now move freely into West Germany.

Fall of the Berlin Wall

- Demonstrations in East Germany in 1989 and calls to change the system of government as they had been slow to adapt to the changes allowed by Gorbachev
- 4 November mass demonstrations demanded democracy and free elections
- Germans moved through Hungary to get to West Germany which forced the East Germans announced greater freedoms of travel
- 9 November the government announced the opening of border crossing into West Germany
- The people began to dismantle the Berlin Wall
- West and East Germany were formally reunited on 3 October 1990

Consequences

- Tension in the world eased by the day
- The power of the Soviet Union was dwindling quickly
- The new Germany joined NATO IN 1991
- · The Warsaw Pact was dissolved
- Gorbachev was widely respected for his willingness to reform and awarded the Nobel peace prize in 1990

End of the Warsaw Pact and the Cold War

As Soviet control of Eastern Europe fell away, it became clear that the Warsaw Pact could not survive.
First Poland, then Hungary and finally East Germany all rejected communism and the pact no longer served any purpose.

George Bush (USA) and Gorbachev announced at the Malta Summit that the Cold War was over. It was the fall of the Soviet Union in December 1991 that finally ended the rivalry between communism in the East and capitalism in the West.



Year: 11 Term: 4

BIG QUESTIONS

Paper 1: Physical

- 1. How do we compare the two earthquakes from a HIC and LIC?
- 2. Why was the damage in the Philippines from Typhoon Haiyan so bad?
- 3. Why is the UK's weather becoming so extreme?
- 4. When will the Amazon Rainforest become respected and protected?
- 5. Why is human activity in cold environments both opportunistic and disadvantageous?
- 6. What coastal management techniques work to protect the coastline?
- 7. What flood managements techniques work to prevent flooding?

Homework Links

- 1. GCSE pods
- 2. CGP revision guides
- 3. GCSE BBC Bitesize
- Internet Geography
- 5. Seneca
- 6. Physicsandmath stutor.com
- 7. Quizzlets

Step Up Geography Exam Preparation

Unit 1: Physical Geography

This paper is divided into 3 sections. You DO NOT answer all the questions.

Section A - The Challenge of Natural Hazards

- Tectonic Hazards
 - Examples: Nepal 2015 and Chile 2010 earthquakes

AQA -

- Weather Hazards
 - Examples: Typhoon Haiyan 2013
- Climate Change
 - Example: Storm Gerrit 2023

Section B - The Living World

- Ecosystems
 - Example: Blean Woods, Canterbury
- Tropical Rainforests
 - Case Study: Amazon Rainforest, Brazil
- Cold Environments
 - Case Study: Svalbard DO NOT answer Hot Deserts

Section C - Physical Landscapes in the UK

- Coastal Landscapes
 - Example: Swanage landforms
 - Example: Reculver Management
- River Landscapes
 - Example: River Severn Estuary
 - Example: Banbury Flood Management



Paper 2: Human

- 1. What are the social, economic and environmental challenges to living in Lagos?
- 2. How has Shoreditch in London gone through gentrification?
- 3. How did the Olympics change London?
- 4. How can tourism reduce the development gap in Jamaica?
- 5. How have trading relationships changed Nigeria's economy?
- 6. What are the impacts of sustainable industry in the UK?
- 7. What are the positives and negatives of growing food using a large-scale agricultural system?
- 8. Can food supply be made more sustainable?

<u>Strategies</u>

Key word Flash Cards

Example Fact Files

Case Study Mind Maps

AQA practice exams



Online Revision Links

GCSE Geography - AQA - BBC Bitesize
AQA GCSE Geography - Internet Geography
Seneca - Learn 2x Faster (senecalearning.com)
AQA GCSE Geography Revision
(physicsandmathstutor.com)

Unit 2: Human Geography



This paper is divided into 3 sections. You DO NOT answer all the questions.

Section A - Urban Issues and Challenges

- · Urbanisation and Megacities
 - Case Study: LIC/NEE Lagos, Nigeria
 - Example urban planning: Makoko, Lagos
 - Case Study: HIC London, UK
 - Example regeneration: Olympic Legacy
- Sustainable Urban Living

Section B - The Changing Economic World

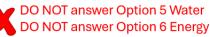
- Development Gap
 - Example tourism: Jamaica
- Case Study: NEE Nigeria
- · Economy of the UK
 - Example: Tor Quarry, Somerset

Section C - The Challenge of Resource Management

- · Global resource management
- Resource demand in the UK: Food, Water and Energy

> Food Option

- Food security and deficit
- · Increase food supply
 - Example: IBIS
 - Example UK: Thanet Earth, Kent
- Sustainable food supplies
 - Example LIC: Makueni country, Kenya



Paper 3 – Geographical Skills: Fieldwork Whitstable, Kent

Physical Enquiry

- $\,\succ\,\,$ The dominant direction of longshore drift is from east to west.
- ightharpoonup Pebble roundness increases with distance from the sea.

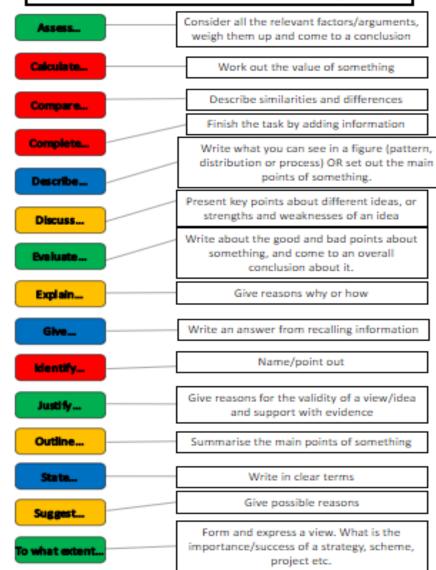
Human Enquiry

- Whitstable high street is not a clone high street.
- The harbour area performs two functions (tourism and fishing) that are of equal importance.
- · Geographical Skills and Issue Evaluation (Released April 2023)

Top tips for exam success

- Understand the specification
- Understand command words
- Understand the question types
- Deconstruct questions –BUG
- Understand the marking
- Make full use of the resources
- Learn and use your examples and case studies
- Write to the space and time available
- Think and plan before you write
- Look after yourself!

GCSE command words and what they mean



KEY: A01 – Recall and knowledge

AO2 - Explaining and linking

A03 – Applying knowledge

A04 – Geographical skills

Subject: Art

Topic: Exam Prep

Year / Group: 11

Term: 4

BIG QUESTIONS

Can you identify words that link to your chosen exam question?

How can the study of other artists help you find your own direction in the development of ideas?

Explain why primary sources are the richest form of research.

How can Secondary sources enrich the development of ideas?

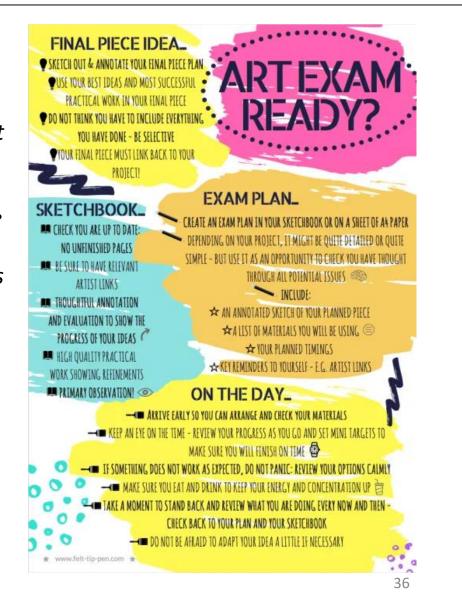
Can you list 5 different ways you could record your observations of the subject matter?

Why should you plan a wide range of ideas before selecting a final one?

How can the refining process help you to fully realise intentions?

Overarching Big Question

The externally set assignment provides students with the opportunity to demonstrate, through an extended creative response, their ability to draw together different areas of knowledge, skill and/or understanding from initial engagement with their selected starting point through to their realisation of intentions in the 10 hours of supervised time.



Key Skills



RECORD

I will independently record...

- images and information appropriate to my chosen exam question
- using wet, dry and digital media
- examples of artists work appropriate to my chosen exam question
- information about artists, showing appreciation of how they use media and techniques to create meaningful work.

DEVELOP

I will independently develop...

- my observation skills using a range of media, techniques and processes.
- artwork and ideas from primary sources
- my knowledge and understanding of artist styles and techniques
- my drawing and planning skills
- ideas in response to a given theme, linking to artists work
- my higher order thinking skills

REFINE

I will independently...

- experiment making the most of media and techniques relevant to my intentions
- select ideas to adapt and improve e.g. adjustments to size, colour and composition.
- develop a piece of work from one media into another

EVALUATE

I will independently...

- analyse and reflect on the development of my own work, through annotation making connections to artists and suggesting ways I could I improve.
- evaluate artists using analytical writing skills and forming opinions.

PRESENT OUTCOMES

I will independently...

prepare a plan for a final piece to be completed during the 10-hour exam.





Homework Links

Develop preparatory work at home for a minimum of 2 hours per week...

- Research of artists including studies, info, evaluation
- Research of images (using mind map)
- Collect primary sources
- Drawings
- Annotation
- Ideas



Key Vocabulary

Tone/Texture/Shape/
Colour/Form/Scale/
Media/Technique/
Composition/Research/
Primary source/
Secondary Source

I will be expected to recall keywords learned in previous projects and use them in the appropriate context.

EVALUATING ARTISTS' WORK

- 1. Describe the piece of art you are looking at
- 2. What is the name of the artist or type of art?
- 3. What art movement or culture does the art link to?
- 4. Research and list 5 or more things about the artist or culture?
- 5. What important things have happened in the country that the art comes from?
- 6. What has influenced the art E.g. other artists, people, personal experiences, society, culture, politics, gender, colour, pattern, movement, religion, travel, places, objects etc.
- 7. Describe the materials used to make the art
- 8. How has the art been produced?
- 9. What is being communicated through the art?
- 10. Which of these words best describes the mood of the picture? EMOTIONAL/POWERFUL/BUSY/SLOW/PEACEFUL/WARM/COLD/HAP PY/SAD/CALM/INTENSE/SCARY can you think of any other words?
- 11. What do you like or dislike about the picture? Explain your reasons...

ANNOTATING YOUR OWN WORK

- In this artwork I was trying to...
- The artist/culture that has influenced my work is...
- The source I have used is...
- I found the source I used at...
- In this artwork I used the technique of...
- The media I have used is...
- I like/dislike this piece because...
- My idea links to the theme because...
- I can improve this piece by...
- I could develop this work further by...

Annotate means to explain your own creations

Artist evaluation is when you write about the artist

Project evaluation is written about the whole project at the end

END OF PROJECT EVALUATION

- 1. Describe each stage of the project from start to finish
- 2. What media did you use to produce your work? E.g. Paint/Pencil/Clay etc.
- 3. Describe how you used different techniques in your project? E.g. painting/drawing/modelling with clay etc.
- 4. Which artist's culture have you looked at?
- 5. Write down 2 or more similarities between your work and the artist's work.
- 6. Which piece of your work best shows the Artist's style or the influence of another culture and why?
- 7. Describe some of your own ideas...
- 8. Have you used a primary or a secondary source?
- 9. Have you included the secondary source in your work? Where did you find it?
- 10. Imagine your final piece was displayed in a public place.... Describe the effect looking at your work might have on people and society. E.g. relax them, make them feel sad, curious, happy, angry, thoughtful, surprised, confused, nostalgic etc. explain why e.g. because of your use of colour, images, content, arrangement? etc.
- 11. Explain any other influences on your work e.g. personalities (including your own), places, memories, objects, politics, events, activities, religion, fact, fiction etc.
- 12. Describe how your work links to the project theme?
- 13. Explain what you have done well...
- 14. Explain how you could improve...
- 15. What would you do differently, if you were to repeat any part of this project?

Unit: R180: Reducing the risk of sports injuries and dealing with common medical conditions

Years: 9, 10, 11 Terms: 1-6

Big Questions

- How do different extrinsic factors influence the risk and severity of injury?
- 2) How do different intrinsic factors influence the risk and severity of injury?
- 3) What are the key components of a warm up?
- 4) What are the physiological and psychological benefits of a warm up?
- 5) What are the key components and physiological benefits of a cool down?
- 6) What are the types and causes of acute injuries?
- 7) What are the types and causes of chronic injuries?
- 8) How can you reduce the risk and severity of an injury or medical condition?
- 9) What are common responses and treatments to medical conditions?
- 10) What are the common causes, symptoms and treatments of medical conditions?

<u>Topic Area 1</u>: Different factors which influence the risk and severity of injury

Key Terms:

- Extrinsic factors where the factor or risk of injury comes from outside the body
- Intrinsic factors where the factor or risk of injury comes from within the body
- Contact sports sports where physical contact between performers is an accepted part of play
- ✓ Non-contact sports sports where participants compete alternately, or are physically separated, or the rules detail no contact.
- ✓ Hypothermia a dangerous drop in body temperature below 35°C.
- ✓ **Veterans** performers above a certain age that is specific to the sport.
- Psychological factors mental factors that affect a performer.
- ✓ **Motivation** the drive to do something.
- Arousal level of activation or excitement.
- ✓ Anxiety negative emotional state due to nervousness.
- ✓ Stress the feelings we get when we find it difficult to cope with the demands placed on us.
- ✓ Confidence belief in your own ability to master a situation.
- ✓ Aggression Intention to cause harm.
- ✓ Mental rehearsal going over a skill in the mind before performance.

<u>Topic Area 2</u>: Warm up and cool down routines

Key Terms:

- ✓ Warm up exercises to prepare the body for exercise so that the chances of injury or ill effects are reduced.
- ✓ Dynamic stretches active stretching exercises.
- ✓ **Adrenaline** hormone that prepares the body for exercise.
- ✓ Lactic Acid waste product of anaerobic exercise; it causes fatigue.
- ✓ Anaerobic without oxygen; oxygen is not used to produce energy during high-intensity, short-duration anaerobic exercise.
- ✓ Cool down easy exercise done after a more intense activity to allow the body to gradually move to a resting condition.
- Maintenance stretches stretches designed to just maintain flexibility.
- ✓ Static stretches stretches where the stretched position is held for many seconds in an attempt to improve flexibility.
- ✓ Proprioceptive neuromuscular facilitation (PNF) - advanced form of flexibility training, involving both the stretching and contracting of the muscles being targeted.
- ✓ Delayed onset muscle soreness muscle pain that starts a day or two after an exercise workout.

and causes of sports injuries

Topic Area 3: Different types

- ✓ Acute injuries injuries caused by impacts or collisions.
- Chronic injuries injuries caused by continuous stress.
- ✓ Soft tissue injuries injuries to muscles, tendons or ligaments.
- Hard tissue injuries injuries to part of the skeletal system, such as fractures or dislocations.
- ✓ Strains injuries to muscles.
- ✓ Sprains injuries to ligaments.
- ✓ **Ligaments** tissue that connects bone to bone and strengthens joints.
- Abrasion surface damage to the skin; grazes.
- Cut skin wound where the tissues of the skin become separated.
- Laceration a torn or jagged wound caused by a sharp object.
- ✓ **Contusion** bruise caused by blood leaking into the surrounding area.
- ✓ Blister bubble on the skin caused by friction.
- ✓ Fracture partial or complete break in a bone.
- ✓ **Dislocation** when a bone is dislodged from its position in a joint.
- ✓ **Concussion** head injury in which the brain is shaken inside the skull.
- ✓ **Tendonitis** inflammation of the tendons.
- **Epicondylitis** inflammation of an epicondyle of a bone.
- ✓ Stress fracture tiny cracks in a bone caused by repetitive force, often from overuse.

Unit: R180: Reducing the risk of sports injuries and dealing with common medical conditions

Years: 9, 10, 11 Terms: 1-6

Big Questions

- How do different extrinsic factors influence the risk and severity of injury?
- 2) How do different intrinsic factors influence the risk and severity of injury?
- 3) What are the key components of a warm up?
- 4) What are the physiological and psychological benefits of a warm up?
- 5) What are the key components and physiological benefits of a cool down?
- 6) What are the types and causes of acute injuries?
- 7) What are the types and causes of chronic injuries?
- 8) How can you reduce the risk and severity of an injury or medical condition?
- 9) What are common responses and treatments to medical conditions?
- 10) What are the common causes, symptoms and treatments of medical conditions?

<u>Topic Area 4</u>: Reducing risk, treatment and rehabilitation of sports injuries and medical conditions

Key Terms:

- ✓ Hazard something that can cause harm.
- ✓ Risk the likelihood of danger.
- ✓ Risk assessment careful examination of what, in relation to a sports activity, could cause harm to people.
- Electrocardiogram (ECG) technology used to detect the rhythm and electrical activity within the heart.
- Emergency action plan (EAP) written document identifying what action to take in the event of an emergency at a sporting event.
- SALTAPS acronym for see, ask, look, touch, active, passive, strength.
- ✓ DRABC acronym for danger, response, airway, breathing and circulation.
- Recovery position position for an unconscious person that keeps their airway clear and open.
- PRICE acronym for protection, rest, ice, compression, elevation.
- ✓ **Ultrasound** use of high frequency sound waves to diagnose and treat injuries.
- **Electrotherapy** use of electrical energy to treat injuries.
- ✓ Hydrotherapy use of water to improve blood circulation, relieve pain and relax muscles.
- ✓ Cryotherapy use of cold temperatures to treat injuries.
- ✓ **Contrast therapy** use of quickly changing temperatures from hot to cold and back again to treat injuries.
- ✓ Analgesics medication used to relieve pain.
- ✓ Cast hard fibreglass or plaster casing designed to prevent broken bones from moving.
- ✓ Splint plastic or fibreglass support for a limb injury.
- ✓ Sling support, usually of folded cloth, designed to immobilise and rest the arm.

<u>Topic Area 5</u>: Causes, symptoms and treatment of medical conditions

- ✓ Asthma a condition in which the airways narrow and swell, which can make breathing difficult.
- ✓ **Inhaler** device that allows medicine to be breathed in.
- ✓ **Nebuliser** machine that allows medicine to be breathed in.
- ✓ Glucose simple sugar found in blood used as an energy source.
- ✓ **Insulin** a hormone that lowers blood glucose levels.
- ✓ **Diabetes** condition in which blood sugar levels are not regulated by the body effectively.
- ✓ Ketones chemicals produced by the liver during fat breakdown.
- ✓ Diabetic ketoacidosis (DKA) a condition caused by excess ketones in the blood.
- ✓ **Insulin-dependent** another name for Type 1 diabetes.
- ✓ Insulin-resistant another name for Type 2 diabetes.
- ✓ Hypoglycaemia low blood sugar level.
- ✓ Hyperglycaemia high blood sugar level.
- ✓ **Epilepsy** abnormal brain activity that causes recurring seizures.
- ✓ Seizures bursts of electrical activity that temporarily affect how the brain works.
- ✓ Triggers things that make epileptic seizures more likely.
- ✓ Fatigue a feeling of overwhelming tiredness.
- Anti-epileptic drugs (AEDs) medicine taken to help control seizures.
- ✓ Ketogenic diet a diet high in fats and low in carbohydrates and proteins.
- Sudden cardiac arrest (SCA) a condition in which the heart suddenly and unexpectedly stops beating.
- ✓ Commotio cordis a sudden trauma, such as a blow to the chest directly over the heart at certain points in the heartbeat cycle, that can cause sudden cardiac arrest.
- ✓ Electrolytes minerals found in blood, urine and sweat that carry an electric charge when dissolved in water.

Unit: R181: Applying the principles of training: fitness and how it affects skill performance

Years: 9, 10, 11 Terms: 1-6

Big Questions

- 1) How are components of fitness relevant to different sports?
- 2) Can you justify why different components of fitness are relevant for different sports?
- 3) What fitness tests are used for each component of fitness?
- 4) Can you apply the components of fitness to a skilled performance?
- 5) What are the principles of training?
- 6) What are SMART goals?
- 7) What are methods of training and their advantages/ disadvantages?
- 8) What factors should you consider when designing a fitness training programme?
- 9) How do you apply the principles of training to a fitness training programme?
- 10) How do you plan a fitness training programme?
- 11) How do you record your results from a fitness training programme?
- 12) What are the strengths and areas for improvement for your fitness training programme?

<u>Topic Area 1</u>: Components of fitness applied in sport

Key Terms:

- ✓ Cardiovascular endurance the ability of the heart and lungs to get oxygen to the working muscles for use by the body.
- Muscular endurance the ability of a muscle to sustain repeated contractions.
- Aerobic with oxygen; oxygen is used to produce energy during low intensity, long-duration aerobic exercise.
- Speed the maximum rate at which an individual is able to perform a movement.
- ✓ Strength the extent to which a muscle or muscle group can contract against resistance.
- ✓ Power the exertion of rapid muscular strength; it can be remembered as strength × speed.
- Agility the ability to move and change direction quickly while maintaining control.
- Balance the ability to maintain a position; this involves maintaining the centre of mass over the base of support.
- Flexibility the range of movement possible at a joint.
- Co-ordination the ability to use two or more body parts together (simultaneously) smoothly and efficiently.
- Reaction time the time taken from the onset of a stimulus to the start of the reactive movement.
- Maximum oxygen uptake (VO2 Max) maximum volume of oxygen that can be consumed per minute / unit of time.
- Protocol the accepted or established procedure for conducting a test.
- ✓ Validity refers to how well a fitness test measures the component of fitness that it aims to test.
- Reliability a fitness test is reliable if it can be repeated and gives similar results each time.
- Maximal tests fitness tests that require maximal effort in order to produce a valid, comparable result.
- ✓ Sub-maximal tests fitness tests that do not require maximal exertion.
- ✓ PAR-Q physical activity readiness questionnaire.

Topic Area 2: Principles of training in sport

- ✓ SPOR principles of training: specificity, progression, overload and reversibility.
- Specificity making training specific to the movements, skills and muscles that are used in the activity.
- ✓ Progression gradually making training harder as it becomes too easy.
- ✓ Overload working harder than normal.
- Reversibility 'use it or lose it'. If you stop training, you will lose fitness.
- ✓ **FITT** principles of overload: frequency, intensity, time and type.
- ✓ SMART principles of goal setting: specific, measurable, achievable, realistic and time bound.
- ✓ Continuous training any activity or exercise that can be continuously repeated without suffering undue fatigue.
- ✓ Aerobic training zone the optimal zone of training to make aerobic gains in the body to improve cardiovascular endurance and stamina.
- ✓ Fartlek training 'speed play', which generally involves running, combining continuous and interval training with varying speed and intensity.
- ✓ Interval training any training that involves periods of work and rest.
- Circuit training a series of exercises performed at work stations with periods of work and rest.
- ✓ Plyometric training repeated exercises such as bounding, hopping or jumping over hurdles, which are designed to create fast, powerful movements.
- ✓ **Eccentric contraction** when a muscle contracts and lengthens.
- Concentric contraction when a muscle contracts and shortens in length.
- ✓ Resistance training training that involves working against some kind of force that 'resists' the movement.
- ✓ Hypertrophy an increase in muscle size as a result of training.
- $\begin{tabular}{ll} \checkmark & \begin{tabular}{ll} \begin{tabular}{ll} High-intensity interval training (HIIT) training that involves periods of very high-intensity work and rest. \\ &41 \end{tabular}$

Unit: R181: Applying the principles of training: fitness and how it affects skill performance

Big Questions

- 1) How are components of fitness relevant to different sports?
- Can you justify why different components of fitness are relevant for different sports?
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- 12) What are the strengths and areas for improvement for your fitness training programme?

<u>Topic Area 3</u>: Organising and planning a fitness training programme

Key Terms:

- ✓ One rep max the maximum weight that can be lifted once (one repetition).
- ✓ Adaptability flexibility to adapt a programme if, for any reason, the session being performed cannot be followed precisely.
- ✓ **Objective measures** facts that provide figures/ numbers, which can allow a performer to monitor improvement.



Figure 2.36 One rep max refers to the maximum weight that can be lifted once

<u>Topic Area 4</u>: Evaluate own performance in planning and delivery of a fitness training programme

Years: 9, 10, 11 Terms: 1-6



Figure 2.38 Stretching forms a vital part of warm up and cool down routine

Target area	Suitable activity			
Cardiovascular endurance/ stamina	Specific exercises: any aerobic activity, for example cycling, swimming, jogging, walking, rowing Overload intensity: 60–80 per cent of maximum heart rate (220 – age)			
Starrina	Time: 20 minutes or more of activity, three to four times per week			
Muscular	Specific exercises: use of high resistance, for example weights, resistance machines, body weight			
strength	Overload intensity: 70 per cent or more of one rep max (maximum lift); three sets of six to eight repetitions			
	Time: 30 minutes or more			
Muscular	Specific exercises: use of low resistance, for example weights, resistance machines, body weight			
endurance	Overload intensity: less than 70 per cent of one rep max [maximum lift]; three to four sets of 10–15 repetitions			
	Time: 30 minutes or more			
Agility	Specific exercises: shuttles or circuits that involve speed work while changing direction, for example sprinting round cones, ladder running			
	Overload intensity: work: rest ratio of 1:3 (30 seconds work with 90 seconds rest between different exercises)			
	Time: 30 minute sessions, two or three times per week			
Speed	Specific exercises: use speed ladders, sprints, interval sprints			
	Overload intensity: work: rest ratio of 1:3 (30 seconds work with 90 seconds rest between different exercises)			
	Time: 30 minutes or more			
Power	Specific exercises: interval training – high-intensity, short sharp activities; acceleration sprint training; plyometric training, for example box jumping and hurdle jumps			
	Overload intensity: for example, box jumps with three to six sets of 8–15 repetitions, depending upon the stress of the exercise being done; sprints with a work: rest ratio of 1:3 (30 seconds work with 90 seconds rest between sprints)			
	Time: 30 minutes or more			
Balance, flexibility, co-	Specific exercises: use of predesigned circuit to include flexibility stretches, co-ordination drills or balancing exercises			
ordination or	Overload intensity: two to three sets of 12 reps with 30-second recovery intervals			
reaction time	Time: 30 minutes or more			

Time: 30 minutes or more

Unit: R182: The body's response to physical activity and how technology informs this

Years: 9, 10, 11 Terms: 1-6

Big Questions

- 1) What is the function and role of the cardiorespiratory system?
- 2) How is technology used to inform us about the cardiorespiratory system?
- 3) What are the components and role of the musculo-skeletal system?
- 4) How is technology used to inform us about the musculo-skeletal system?
- 5) What are the shortterm effects of exercise on the cardiorespiratory system?
- 6) What are the shortterm effects of exercise on the musculo-skeletal system?
- 7) What are the longterm effects of exercise on the cardiorespiratory system?
- 8) What are the longterm effects of exercise on the musculo-skeletal system?

<u>Topic Area 1</u>: The cardio-respiratory system and how the use of technology supports different types of sports and their intensities

Key Terms:

- Atria upper chambers of the heart that collect blood from veins.
- ✓ Ventricles lower chambers of the heart that pump blood out through arteries.
- ✓ Valves prevent the backflow of blood.
- Deoxygenated venous blood (in veins) that does not carry oxygen.
- ✓ Oxygenated arterial blood (in arteries) that carries oxygen.
- Arteries blood vessels that mainly carry oxygenated blood away from the heart.
- Capillaries tiny, thin walled blood vessels that join arteries (which carry blood away from the heart) and veins (which carry blood back to the heart).
- Alveoli tiny air sacs in the lungs.
- Veins blood vessels that mainly carry deoxygenated blood back to the heart.
- ✓ Trachea tube connecting the mouth and nose to the lungs.
- **Lungs** large spongy organs in chest; used for gas exchange.
- ✓ Bronchi airways that lead from the trachea into the lungs.
- ✓ Bronchioles air passages inside the lungs that connect the bronchi to the alveoli.
- Diaphragm dome-shaped muscle causing inhalation and exhalation.
- ✓ Radial pulse heart rate that can be felt at the wrist.
- Carotid pulse heart rate that can be felt at the neck.
- ✓ Vasoconstriction reduction in the diameter of a blood vessel to reduce blood flow through that vessel.
- ✓ Vasodilation widening in the diameter of a blood vessel to increase blood flow through that vessel.
- Cardiac output the volume of blood that the heart is able to pump out in one minute.
- ✓ Stroke volume the volume of blood that leaves the heart during each contraction.

Topic Area 2: The musculo-skeletal system and how the use of technology supports different types of sports and their movements

Key Terms:

- ✓ Clavicle the collarbone.
- ✓ Scapula the shoulder blade.
- Humerus bone in the upper arm.
- Radius bone of the forearm; attaches to the thumb side of the wrist.
- ✓ **Ulna** bone of the forearm; forms the point of the elbow.
- **Cranium** skull bone, which surrounds the brain.
- Ribs bones surrounding the heart and lungs, forming the chest cavity.
- Sternum flat bone at the front of the chest, sometimes called the breastbone.
- Vertebrae many single bones joined together to form the backbone.
- Femur long bone of the thigh or upper leg, which extends from the hip to the knee.
- ✓ **Tibia** the shin bone; forms knee joint with the femur.
- ✓ **Fibula** bone in the lower leg that forms the ankle.
- ✓ Patella the kneecap; covers the knee joint.
- ✓ **Deltoids** muscles on shoulder joint that move the upper arm.
- Trapezius muscle at the top of the back that moves the scapula and head.
- ✓ Latissimus dorsi muscle at the side of back that moves the upper arm.
- ✓ **Pectorals** muscles in the chest that move the upper arm.
- ✓ Biceps muscles at the front of the upper arm.
- ✓ Triceps muscles at the back of the upper arm.
- ✓ Abdominals stomach muscles that protect internal organs.
- ✓ Gluteals buttock muscles, which are used when running.
- ✓ Hamstrings muscles at the back of the upper leg.
- ✓ Quadriceps muscles at the front of the upper leg.
- ✓ **Gastrocnemius** one of the calf muscles; used in walking.
- ✓ **Soleus** one of the calf muscles; used in walking.

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Unit: R182: The body's response to physical activity and how technology informs this

Big Questions

- 1) What is the function and role of the cardiorespiratory system?
- 2) How is technology used to inform us about the cardiorespiratory system?
- 3) What are the components and role of the musculo-skeletal system?
- 4) How is technology used to inform us about the musculo-skeletal system?
- 5) What are the shortterm effects of exercise on the cardiorespiratory system?
- 6) What are the shortterm effects of exercise on the musculo-skeletal system?
- 7) What are the longterm effects of exercise on the cardiorespiratory system?
- 8) What are the longterm effects of exercise on the musculo-skeletal system?

Key Terms (continued Topic 1):

- Systolic blood pressure blood pressure when the heart is contracting.
- ✓ Diastolic blood pressure blood pressure when the heart is relaxed.
- ✓ **Inhalation** breathing in.
- ✓ Exhalation breathing out.
- ✓ Intercostal muscles muscles located between the ribs.
- ✓ **Diffusion** the movement of a gas from an area of high concentration to an area of low concentration.
- Wearable technology technology worn on the body during exercise to provide data.
- ✓ Laboratory-based technology the use of technology inside a laboratory to provide data.
- Field-based technology technology that can be used to provide data outside of a laboratory in the setting where sports take place, for example a football pitch.
- ✓ Spirometer machine that produces a spirometry trace of breathing volumes.
- ✓ Vital capacity amount of air expelled from your lungs when you take a deep breath and then exhale fully.
- ✓ Pulse oximeter device used to measure how efficiently oxygen is being carried to the extremities by the heart (blood oxygen level).



<u>Topic Area 3</u>: Short-term effects of exercise on the cardio-respiratory and musculo-skeletal systems

Key Terms:

- ✓ **Anticipatory rise** slight increase in heart rate before exercise.
- ✓ ROM range of movement.

Key Terms (continued Topic 2):

- ✓ Synovial joint a freely moveable joint.
- ✓ **Ball and socket joint** ball shaped end of bone fits into the socket of another, for example the hip.
- Hinge joint end of bone fits against another bone allowing movement in only one direction, for example the knee.
- ✓ Gliding joint one bone can slide over another, for example the carpals in the wrist.

Years: 9, 10, 11 Terms: 1-6

✓ Pivot joint - rounded end of one bone fits into a ring formed by the other bone, for example the vertebrae of the neck, which allow head rotation.

<u>Topic Area 4</u>: Long-term effects of exercise on the cardio-respiratory and musculo-skeletal systems

- ✓ Fast twitch fibres muscle fibres that contract quickly and/or with high force; used during high-intensity work.
- ✓ Slow twitch fibres muscle fibres that contract with a low force but do not fatigue quickly.
- ✓ Bradycardia decrease in the resting heart rate because of training.
- ✓ Goniometer device used to measure flexibility (range of movement at a joint).
- ✓ Lung capacity the amount of air the lungs can hold.
- ✓ **Tidal volume** the amount of air breathed in and out at rest.
- ✓ **Bone density** the amount of bone mineral in bone tissue.
- ✓ Capillarisation an increase in the number of capillaries as a result of endurance training.
- ✓ Heart disease when the heart's blood supply is blocked or interrupted by a build-up of fatty substances in the coronary arteries that supply the heart with blood.
- ✓ Heart attack medical emergency in which the supply of blood to the heart is suddenly blocked.

Religion Year: Buddhism Term:

Big Questions

- What guides Buddhists?
- What is the Buddhist understanding of the Samsara?
- What are the three marks of

Existence?

What is the middle way?

The buddha believed that in order to achieve enlightenment you need to find a middle way. This means that you don't need to have loads of luxuries but do need to have your necessities. For example, you don't need a designer bag, but you do need food. The buddha believed that this helps you focus on the truth of life rather than getting distracted by materials.

What are the three Refuges? (three Jewels)

To take refuge means to find safety. So Buddhist can find comfort and safety in the 3 iewels:

The Buddha – they can learn from his example.

The Sangha (community) they can get help and guidance from other in the community.

The Dharma – they can learn from the teachings in the scriptures.

What is Samsara?

The samsara is the cycle of life. All beings live on the samsara. The goal within Buddhism is to reach enlightenment and escape the samsara.

What are the 3 marks of Quick facts! God

Demi Humans God Hungry Animals Ghosts Hell

Holy book - various -Vedas Dhammapada. Age of religion- 2500 vears old Place of worship -Vihara Name of followers -Buddhist Number in the UK -238,626

Mark of Existence	Meaning	Explanation
Dukkha	Frustration or dissatisfact ion (often understoo d as suffering)	Life does not necessarily provide people with what they want and things are always changing. Therefore, people usually do not achieve complete satisfaction as everything has limitations, which causes them to be dissatisfied.
Anatta	No soul	There is no fixed sense of self because everything is constantly changing. Another way of expressing this is the idea that people have no soul.
Anicca	Imperman ence	Things in life are always changing. Nothing stays the same as everything is subject to change.

existence?

What is dependent arising?

This is the belief that everything that is in existence exists because other things are in existence. Therefore, everything is interconnected, and everything affects everyone.

A simple formula for understanding dependent arising is:

- when this is, that is
- from the arising of this comes the arising of that
- when this is not, that is not
- when this ends, that ends

Key words:

Enlightenment – to be awoken or become aware of reality.

Sangha - the Buddhist community

Dharma – nature of reality the buddhas teachings.

Meditation - Meditation is a practice where an individual uses a technique – such as mindfulness, or focusing the mind on a particular object, thought, or activity - to train attention and awareness, and achieve a mentally clear and emotionally calm and stable state.

Karma – word that means action – ever action has a consequence.

Reincarnation – the idea you are reborn into a new body when you die. Precept – a rule.

Samsara – the life cycle within dharmic religions.

Asceticism – avoiding luxuries or pleasures for spiritual gain.

Subject: Drama

Topic: Performance Skills and Drama Techniques

Year / Group: KS4

Term: 1-6

BIG QUESTIONS

What is characterisation?

How can physical performance skills and vocal skills be incorporated into a performance?

How can drama techniques be incorporated into a performance?

Why is discipline important in a performance?

What are the differences betwee n the two styles – Naturalism and Abstract Theatre?

What is the difference between devising and a scripted performance?

Performance Skills		
Planned Movement	Physical actions that are organised prior to the performance and then rehearsed.	
Positioning	Arranging an actor in a place/way. Where the actor is facing.	
Posture	How the body is held.	
Body Language	Movements with the body, that communicate feeling.	
Eye Contact	Where the actor is looking.	
Space	How the environment is used.	
Levels	How high or low an actor is positioned on stage.	
Vocal Skills	How the voice is used to communicate emotion and character.	
Gestures	Using your hands to further express meaning or emotion.	
Facial Expressions	Showing mood through the movement of your face.	

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Physical performance skills are the ways the use body can be used to communicate character or meaning.

Always remember to remain disciplined when performing.

Vocal Skills Pitch How high or low your voice is. How fast or slow you speak. Pace A moment of silence. **Pause Projection** How far and clearly you speak enable your voice to travel across the room. Using your voice to show **Tone** mood. **Emphasis Exaggerating particular words** or phrases in a sentence. Accent A distinctive pronunciation which shows location. This can be linked to country or area. Volume How loud or quiet you are speaking.

4P'STEAV

The way in which the voice is used to communicate. Vocal skills can be used to communicate character. The more the audience can understand about a character, the greater the understanding of the narrative of the performance.46

Drama Techniques	What would it look like on stage?	
Thought Track	Character telling their thoughts to the	
	audience	
Monologue	A speech spoken by one character	
Choral Speaking	A group of actors speaking at the same	
	time	
Slow motion	Slowing movement down	
Flashback	A scene from the past	
Cross Cutting	Mixing up the order of scenes	
Narration	A spoken commentary for the audience	
	about the action on stage	
Organic Sound	A sound made by the actors (not	
	recorded)	
Synchronisation	Actors moving at the same time	
Canon	Moving one after the other	
Multi-role	One actor playing more than one role	
Hot Seating	Questioning an actor in role	
Still Image	A frozen moment in a scene	
Physical Theatre	Using your body to create objects	
Mime	Performing an action with no props	
Mirroring	2 actors facing each other moving at the	
	same time	
Split Role	One role that is played by more than	
	one actor	
Flash forward	A scene from the future	
Tableau	A still image that captures the whole	
	scene/story	
Repetition	A sound/movement that is repeated	
Marking the Moment	When a moment in a scene is	
	emphasised	

Style: Naturalism

Naturalism uses <u>realistic acting</u> and in-depth characterisation.

- Subtext
- Relationships
- Personality
- Situation
- Motivation

Movement is planned carefully, making sure every action has a meaning behind it.

Set/costume/props/sound are used as part of a Naturalistic performance however drama techniques are NOT used!

Style: Abstract Theatre

Theatre that is non-naturalistic.

Drama techniques are included in performances to present a narrative or theme in an alternative or unconventional way.

Drama techniques are used to enhance an abstract performance, making it more engaging for the audience.



Dance A Linha Curva Year: 11 Term: 4

BIG QUESTIONS

How does the lighting contribute to the audience's understanding of the choreographic intent of A Linha Curva?

How does the costume contribute to the audience's understanding of the choreographic intent of A Linha Curva?

How does the set design contribute to the audience's understanding of the choreographic intent of A Linha Curva?

How does the music contribute to the audience's understanding of the choreographic intent of A Linha Curva?

How does the choreographic approach support our understanding of A Linha Curva?

Why has the choreographer made the decisions regarding each component? What is the impact of that decision?

Choreographer: Itzik Galili

Performed by: Rambert Dance Company

Performance: Originally performed by Balé da Cidade de São Paulo (Brasil), 2005. Rambert premiere Tuesday 12 May 2009 at Sadler's Wells, London.

Dancers: 28 – 15 male, 13 female

Dance Styles:

- Rhythmic pulses
- Samba Samba is a fun, upbeat, lively dance that
 progresses counter-clockwise around the floor. It is
 characterized by its syncopated timing, bounce, rolling
 hip action and pelvic tilt and a great deal of rhythm is
 expressed throughout the torso.
- Capoeira Capoeira is an Afro-Brazilian art that combines elements of dance, acrobats and music.
- Contemporary dance Contemporary dance is a style of expressive dance that combines elements of several dance genres including modern, jazz, lyrical and classical ballet. Contemporary dancers strive to connect the mind and the body through fluid dance movements.

Structure: Narrative with large ensemble sections

Choreographic Approach:

- Task setting creating a phrase restricted by squares
- · Collaboration with dancers
- improvisation

When originally creating A Linha Curva, Itzik Galili worked collaboratively with the dancers and nearly all of the motifs were composed from improvisation. One of the tasks set by Galili was quite simple, he asked the dancers to choreograph a very short solo (2 – 3 counts of eight) of some of their favourite moves which stayed within the boundaries of their allocated square within a chequer-board grid (see lighting) that takes up the floor space of the stage. Galili believes that you can see essences of the dancers' personalities in these sequences. Each of these sequences was named after the dancer who made it and the dancers then learnt each other's sequences to form the basis of this large ensemble work.

Choreographic Intent:

- Having fun
- Men competing and show off in front of the women
- Carnival/ samba parades

The intention behind the choreography is simply to have fun - but there are also a few contradictions, as touched upon in the title. Large ensemble sections of vibrant Brazilian inspired movement are performed in regimental straight lines, creating a sense of samba parade. There are also a number of narrative sections that through the choreography present observations of how Brazilian men communicate with women, for example men in tribes hunting the girls as well as showing off and competing with each other.

Stimuli:

- Brazilian Culture
- Celebration of Brazilian Life
- The title 'The Curved Line'

Lighting:

- Grid 49 coloured squares red, yellow, green, blue, orange
- Linear patterns: lines and squares
- Restricts dancers' space
- Highlights dancers
- Contrast in showing of section: white wash
- Timing and cues for the lighting is preprogrammed and so in a way dictates the speed and pace of the dancing and music

Staging and Set:

- Props In one section skateboards are used to propel 5 dancers across the stage
- Performance Environment End Stage
- Black box set
- Raised platform upstage 4 live musicians
- End stage
- No set design
- Skateboards connection to carnival floats
- Equality of musicians and dancers on stage represents the equality of the two art forms at a carnival
- Large space allows for group unison sections and large formations

Costume:

- Designed by Itzik Galili
- Brightly coloured lycra shorts. Each dancer has a different colour
- Black sleeveless vest style top in mesh fabric one side open. Bright coloured stripe/zip on the top in the same colour as the shorts.
- The men wear the top with the opening at the front however women with it at the back
- Men wear metallic discs around their neck at the start which reflect the light
- Bare feet
- This uniform look adds to the feeling of equality in the ensemble sections
- Colours are carnival inspired
- Minimal clothing; lack of clothing represents hot climate and allows dancers to move freely
- complements lighting, set, music

Aural Setting:

- Performed by Percossa
- Percussion
- Drums
- Body Percussion
- Vocal Chants -
- Samba Rhythms
- Mood created fast, lively, fun and rhythmic speed
- Contrast is shown through slow section
- Berimbau: Brazilian instrument played in the slow section.



Homework Links

VLE - video links

https://www.rambert.o rg.uk/explore/newsand-blog/news/linhacurva-ask-dancer/



Key Vocabulary

Costume

Lighting

Set design / Physical Setting

Accompaniment

Choreographic intent

Choreographic approach

Stimulus

Artistic intention

Enhance

contributes

Dance Year: 11 Term: 4

BIG QUESTIONS

How does the lighting contribute to the audience's understanding of the choreographic intent of Infra?

How does the costume contribute to the audience's understanding of the choreographic intent of Infra?

How does the set design contribute to the audience's understanding of the choreographic intent of Infra?

How does the music contribute to the audience's understanding of the choreographic intent of Infra?

How does the choreographic approach support our understanding of Infra?

Why has the choreographer made the decisions regarding each component? What is the impact of that decision?

Choreographer: Wayne McGregor Performed by: The Royal Ballet

Performance: Originally performed on 13 November 2008 at The Royal Opera house, London

Dancers: 12 – 6 male, 6 female / brief appearance of a crowd

Duration: 28 minutes

Dance Styles: Contemporary Ballet

McGregor's dance style is distinctive for its speed and energy and for the dynamic, angular, sinuous and

hyperextended movements that push dancers to physical extremes.

Structure: solos, duets and ensembles with many arresting moments, for instance 6 couples dance duets in six squares of light and a crowd surges across the stage, unaware of one woman's private grief.

Choreographic Intent:

- Human relationships
- Seeing below the surface of things

Infra is about seeing below the surface of things. Quite literally in this case, below Julian Opie's design. You can see people, walking in the street. Infra is about people and the choreography has found a pedestrian language which is recognizably human. When you look at a body on stage, you have some understanding of what that body is doing. The piece is about inferences. It infers particular types of relationships and therefore the emotional content implies itself. One of McGregor's choreographic aims is to help the audience's eye in watching a complex structure. But in Infra, McGregor has purposefully left open the full visual field to let the audience make their own selections.

Choreographic Approach:

- Showing a phrase and dancers adapt or copy
- Task setting
- Teaching movement to selected dancers

McGregor uses three methods to generate movement vocabulary for the piece: 1. SHOW a phrase to the whole or part of the cast — dancers watch and either recreate the phrase exactly or create a version. 2. MAKE a phrase on a target dancer or dancers — others watch and copy or develop. 3. TASK — set a choreographic task for dancers to complete or pose a choreographic problem for dancers to solve. Typically, the task or problem involves imagery as a stimulus for creating movement. The movement vocabulary is then structured into longer "sentences" and "paragraphs". Finally, he works musically with the structure and pieces it all together like a jigsaw.

Stimulus:

- 'Infra' means below in Latin
- Life beneath the surface of a city
- The Waste Land poem: TS Eliot
- The London Bombings

Lighting:

- Different lighting for each section
 1: white wash with blurred edged, mid intensity, downstage.
 Upstage in darkness. 2: white wash opens out upstage
 3: green wash in ellipse shape upstage: blurred edges 4: 6 rectangles of white light in a line on the floor 5: orange/amber wash downstage with blurred edges. 6: paler amber/yellow wash across full stage 7: low intensity blue sidelights then white sidelights only for crowd 8: white follow spot, stage in darkness
- Lighting design by Lucy Carter
- The lighting, which relates closely to the structure, lights the width of the stage and often focuses downstage.
- Occasionally dancers are lit by shafts of light and at one point 6 rectangles of light frame 6 duets
- Colours are used to highlight different sections

Staging and Set:

- Black box set
- Large LED screen hung upstage.
 White figures walk across screen
- Performance environment: proscenium arch
- No props
- No set
- Emptiness of stage creates large stage space
- Complements lighting, music and costume

Number of Dancers:

12: 6 male, 6 female + crowd in Section 7

Costume:

- 10 out of 12 dancers wear tight black lycra shorts and a variety of different tops; vests, long sleeved, t shirt, thin straps
- All tops are grey, black and white however 1 flesh coloured
- Pointe shoes (females) and ballet shoes (males)
- 2 dancers different: Female black mini skirt and white crop top / Male long black trousers and bare chest
- Costume shows stimulus Colour palette is urban, supporting the city idea stated in the stimuli.

Aural Setting:

- Soundscape fused with violin and piano
- Morse code, radio static, muffled speech, train whistles
- Violin/piano: brisk melodies often with rapid notes that run along
- Section 5 male solo is different: thundering, booming sounds with rumbling effects
- Contrast in Section 7 (trio). Soft and sorrowful piano melody

Homework Links

VLE – video links

https://www.roh.org.uk/ productions/infra-bywayne-mcgregor



Key Vocabulary

Costume

Lighting

Set design / Physical Setting

Accompaniment

Choreographic intent

Choreographic approach

Stimulus

Artistic intention

Contribution

Enhances

Highlights

Dance Emancipation of Expressionism

BIG QUESTIONS

How does the lighting contribute to the audience's understanding of the choreographic intent of Emancipation of Expressionism?

How does the costume contribute to the audience's understanding of the choreographic intent of Emancipation of Expressionism?

How does the set design contribute to the audience's understanding of the choreographic intent of Emancipation of Expressionism?

How does the music contribute to the audience's understanding of the choreographic intent of Emancipation of Expressionism?

How does the choreographic approach support our understanding of Emancipation of Expressionism?

Why has the choreographer made the decisions regarding each component? What is the impact of that decision?

Choreographer: Kenrick H20 Sandy Performed by: Boy Blue Entertainment

Performance: May 2013

Dancers: : 17 dancers (8 female / 9 male)

Kenrick is one of the dancers in the performance and several of the dancers feature in key solos and have

leading roles.

Structure: 4 sections

Stimulus:

- Til Enda [the music for Section 4]
- Freedom of expression through hip hop movement
 The importance of being free to express ourselves
 both as individuals and through the use of hip hop
 movement vocabulary are central to Kenrick's initial
 ideas for the work.

Choreographic Approach:

- Exploring hip hop movement in a contemporary way
- Musicality and the relationship between movement and music
- Exploring and abstracting hip hop movement and 'signature' company movements in a contemporary way.

Working closely with the accompaniment and paying particular attention to musicality.

Whilst the choreographer and the dancers created material for the work, Kenrick very specifically selects certain movement vocabulary and 'signature' motifs (Ninja Walk, Ninja Glide, Ninja Static and Chariots of Fire), choreographic devices, formations and use of space.

Choreographic Intent:

- An emotional journey
- Order and chaos
- Kenrick seeks to express himself by using hip hop as a tool to create art that affects an audience in a theatrical setting. He wants the audience to feel that they are witnessing and sharing an emotional journey through the piece and appreciating hip hop dance as an art form. Each section is a scene, a moment in life, and the whole work is a journey. The theme of order and chaos highlights the restrictions of an individual style of hip hop dance. Kenrick seeks to create variations within these parameters in order to create a sense of chaos in contrast with the potential limitations of set styles. Often individual dancers split from the ensemble and at other times the ensemble are all in unison. Kenrick uses these contrasts to show different relationships between order and chaos.

Year: 11

Term: 4

Dance Style:

Hip hop including popping, locking, krumping, animation, waving, waacking, breaking

Hip hop dance is closely associated with hip hop music and has a very specific vocabulary of dance moves, which fall under a range of styles known as breaking, locking and popping. It appeals to many people because it is both fun and physically demanding. Hip hop dance evolved along with hip hop music, in the 1970s within groups of African American street gangs from the streets of South Bronx and Brooklyn, NY.

Costume:

- Pale blue T shirt
- Stonewashed denim jeans
- Grey hi top trainers with white sole
- The costume was designed to represent the company casual, enhance the shape of the dancers and create a 'clean' look. Kenrick wanted the dancers' hair tied back where necessary to ensure facial expressions were clearly visible. Some dancers wear everyday jewellery to enhance both the individuality and everyday qualities of the piece.

Aural Setting:

Genesis:

music in two parts.

1: laser sounds & electronic rhythms with 'heartbeat' pulse 2: strong repetitive beat with scratching sounds [Ninja Walk.]

Growth & Struggle:

a peaceful song with the lyric 'I feel you're the one'. Pulsating electronic drum rhythm.

Flow & Connection:

2 melodies: 1: rapid running violin notes underneath 2: high pitched violin playing long piercing notes over the top.

Empowerment:

Soft piano begins - then harsh, 'gun like', aggressive electronic rhythm. Two violin melodies:
1: punchy, staccato accents 2: smoother & fluid

Staging and Set:

A black backcloth lifts to reveal a white cyclorama behind

Smoke/fog is used

Proscenium arch

No set

Homework Links

VLE – video links

http://boyblueent.com/?page_id=16352



Key Vocabulary

Costume

Lighting

Set design / Physical Setting

Accompaniment

Choreographic intent

Choreographic approach

Stimulus

Artistic intention

Lighting:

- Genesis: Pale blue circles of light on the floor, snapping to intense blue wash.
- · Growth & Struggle: White side- light offstage right. Low intensity blue wash upstage left.
- · Flow & Connection Between People: Pale blue wash fading to low intensity white sidelighting.
- Empowerment: Blue wash
- Co-Designed by Kenrick Sandy with the Sadler's Wells Theatre lighting team.
 A prominent feature is the lighting from above the stage casting an intense blue colour on the dancers. Some are spotlights from above the stage used to highlight individual dancers and groups of dancers (each in their own light) and some create a wash of blue across the stage. The edges of the stage are not lit creating a very central focus. The lighting is designed to create moods and different moments as well as work with both the formations and the accompaniment. It is also used to highlight particular transitions. A pair of white lights from off-stage right feature in the second section and are significant in the focus of the dancers and relationship between the soloist, the group entering the stage space and the ideas of adversity and confronting the trials and tribulations of life.
- Sometimes the lighting fades and at other times snaps to black out for dramatic effect and to create
 distinction between sections and transitions. The intensity of the lighting varies considerably in the different
 sections.

Structure:

The dance is in 4 sections and although not titles, Kenrick describes them as being based around the following ideas:

- 1. Genesis (start 2min 12sec) the start of life and a feeling starts to grow and create from the womb of expressionism. There is a sense of an electrical current affecting the dancers. He explores ideas of struggling to be free, find individual expression, conformity and order. Kenrick says 'section one I would say is.... the birth or maybe the genesis. It is the start. It is that moment where the impulse of a feeling or a movement starts to grow and create. So at the very beginning when you see the guys in the spot lights they are all moving like an electrical current is hitting them and that to me is like them back in the womb, the womb of... Expressionism'.
- 2. Growth and struggle (2min 12sec 3min 21sec) starting with an individual dancer's expression contrasted by others entering from stage right. What may appear aggressive suggests the struggle for the recognition of individual passion and expression. It ends in a rugby scrum inspired formation with an ensemble supporting the individual dancer. Kenrick says 'section two, for me is about growth and about struggle. It's about... in that piece where you see the people walking past and one guy is expressive into the light. To me that was about everyday life, we tend to want to express ourselves and people just walk by and we're just living our life, but sometimes there is a bit of a struggle and people want to hold you back or stop you from what it is, so there is a level of aggression that comes out within your passion. And that piece was about, you know, how passion can grow and become very, very, very strong to a point where it does look aggressive. But what it is, is that you are just really, really passionate about what you do'.
- 3. The connection and flow between people (3min 21sec 6min 30sec) developing from a duet to a full ensemble. There are aspects of memory, manipulation, flow, merge and play between individuals in a relationship. An energy flows through the dancers, sometimes controlled by an individual and sometimes in group unison. Kenrick says 'section three is about flow, it's about relationships it's about connection. The duet at the beginning is about this energy and it flows from one person to another. That's what happens sometimes in a relationship where you express yourselves, you know, you may have an argument where you express yourself, you may have a memory or a moment where you express yourself. It's also about how the relationship can easily manipulate each other... as well as ... gel, merge, play that's that first section'.
- 4. Empowerment (6min 30sec 10min 39 sec) The energy is captured and released with a new found raw, super human power. The release of individual energy (now more chaotic) continues to contrast with the powerful order of group unison. Within the idea of empowerment, this section also showcases the individual skills and expressionism of the core dancers. The contrasting lyrical qualities and frenetic percussive elements of the accompaniment are echoed in the contrasting actions and dynamics. There is an incessant quality as the section builds to a crescendo where the dancers are fully empowered. The section finishes with the dancers huddling together in unity before a final black- out and bow. The last section, which is *Til Enda*, is about empowerment, it's about superpowers, super human powers it's about letting yourself go to the fullest. That is where the true feeling of the emancipation of expressionism is for me. I am always about empowerment, pushing people, motivating people. I don't believe that all dancers should just do choreography, and just "five, six seven, eight". You also need to have an individualisation within our work and in that piece you see that the core dancers are all showcasing their skills... and to me it is important that they do that because it's growth, it grows them as a dancer. So that last section is about empowerment which then creates the whole piece to have a journey, from the beginning up until the point, the crescendo, that moment where you feel fully empowered.



Dance Year: 11
Within Her Eyes Term: 4

BIG QUESTIONS

How does the lighting contribute to the audience's understanding of the choreographic intent of Within Her Eyes?

How does the costume contribute to the audience's understanding of the choreographic intent of Within Her Eves?

How does the set design contribute to the audience's understanding of the choreographic intent of Within Her Eyes?

How does the music contribute to the audience's understanding of the choreographic intent of Within Her Eyes?

How does the choreographic approach support our understanding of Within Her Eyes?

Why has the choreographer made the decisions regarding each component? What is the impact of that decision?

Choreographer: James Cousins

Performed by: James Cousins Dance Company **Performance:**

February 2016 (launch of Within Her Eyes)

7th September 2012 (date of first performance of *There We Have*

Been).

Dancers: 2 dancers – 1 male, 1 female

Duration: 17 minutes

Dance Styles: Contemporary / contact work.

Choreographic Intent:

- An abstract tragic love story.
- The pull back towards the girl's late lover contrasted with the desire to move on.
- The intention behind Within Her Eyes was to create a dance film
 that maintained the emotional intensity and visceral energy of
 the live stage performance of There We Have Been and to
 portray an abstract tragic love story that is open for
 interpretation.
- The female dancer is constantly reaching, wrapping, balancing and falling on and around the male dancer. The choreography contrasts the folding in to him with the pulling away to highlight the pull she feels to her late lover whilst trying to allow herself to move on with the man who cares so much for her.
 The male dancer never initiates or manipulates, he merely responds to her every move, devoted to her. He needs her as much as she needs him.
- The mood is very tender, emotional and somber. Intensity is also achieved by having the dancers perform in complete contact, totally dependent on each other, with the female dancer never once touching the floor throughout the entire duet. This creates a very unique vocabulary and style both physically and emotionally.

Stimulus:

- A Love Story with a Twist
- The dancers can never be together.
- Love and loss
- Longing and memory Dependency and loyalty

Inspired by both personal experiences and well known narratives, Cousins wanted to portray a unique narrative combining themes of love and loss, dependency and loyalty, longing and memory. Rather than a conventional love story where, despite the bumpy road, the characters end up together; Cousins wanted to flip it around to portray a story where, no matter what happened, ultimately they could never be together.

Choreographic Approach:

The film uses the choreography from Cousins' critically acclaimed stage production *There We Have Been* and sets it outdoors in a bleak landscape. For the original choreography James worked from two starting points; narrative and emotional themes and the physical idea of keeping the female dancer off the floor.

The movement was created in collaboration with the dancers through improvisation, which was all filmed and then learnt back from the video. James then pieced these segments together into a structure that reflected the narrative arc of the story.

Costume:

Man: dark, earthy colours. Trousers, long sleeved top, shoes.

Girl: Cream thigh length skirt with central pleat, cream undershorts, long sleeved cream blouse in delicate chiffon like fabric, buttoned up to the neck. No shoes. Hair in ponytail.

Girl also wears a beige/brown cardigan in the Prologue.

Costumes are stylised everyday clothes

Structure: A prologue followed by 6 continuous sections, defined by changing locations, physicality and music that reflect the developing relationship. The overall effect is one seamless journey.

Aural Setting:

- 1. Prologue: ominous soundscape
- Beginning: peaceful piano melo- dy over wind sounds. Wind in- creases in volume & shaking strings join in.
- 3. *Moving Closer*: slow, warm and graceful section for strings over wind sounds.
- 4. Flow One: contradictions: calm piano, but nervous trembling strings stab the air. Builds to climax.
- Kneeling: wind & echoing piano with pauses and silences.
- Flow Two: a development of the music from Flow One.
- 7. Floor: long, electronic notes with a few faint piano notes

The accompaniment is a composition created specifically for the work, which evolved alongside the choreography, created by composer Seymour Milton in collaboration with James. The music combines electronic elements with strings and piano creating a haunting and emotive accompaniment that blends seamlessly with the choreography, flowing as one

Staging and Set:

A variety of outdoor spaces: deserted street, graveyard, open field, cloudy sky, cliff top, forest, quarry.

The film is set in remote locations to give the feeling of isolation and highlight the characters separation from society. The locations progress from very open landscapes to more intimate settings to show a passage of time and to reflect their relationship getting more intimate and restricted as it progresses.

Site sensitive; dance for camera. Filmed by Scratch.

The film is shot and graded to reflect the dark atmosphere of the inspiration. After the prologue the camera starts very far away from the dancers giving the feeling that they are completely isolated and in their own world; the viewer is a secret observer. Gradually as the dancers' relationship grows closer, the camera moves in closer but still keeps distance until the first time the dancers look at each other when it moves right in to close up on their faces.

The majority of the film is shot with the camera on a track, giving a very smooth quality. For the penultimate section it switches to a hand held camera giving a much more raw and unstable feeling reflecting the female character's heightened emotional state.

Lighting:

- Natural lighting.
- Begins with a night time sky and then moves through daylight to dusk, finally ending at night.

Homework Links

VLE – video links

https://www.youtube.co m/watch?v=5ZjCN86I-rc



Key Vocabulary

Costume

Lighting

Set design / Physical Setting

Accompaniment

Choreographic intent

Choreographic approach

Stimulus

Artistic intention

Contribution

Enhances

Highlights

Dance Shadows Year: 11 Term: 4

BIG QUESTIONS

How does the lighting contribute to the audience's understanding of the choreographic intent of Shadows?

How does the costume contribute to the audience's understanding of the choreographic intent of Shadows?

How does the set design contribute to the audience's understanding of the choreographic intent of Shadows?

How does the music contribute to the audience's understanding of the choreographic intent of Shadows?

How does the choreographic approach support our understanding of Shadows?

Why has the choreographer made the decisions regarding each component? What is the impact of that decision?

Choreographer: Christopher Bruce

Christopher Bruce trained at the Ballet Rambert School, joining Ballet Rambert in 1963. He is the last major choreographer to have been nurtured by Marie Rambert.

Performed by: From Leeds, Phoenix Dance Theatre is one of the UK's leading contemporary dance companies.

Founded in 1981 Phoenix Dance Theatre began by performing work created within the company.

Performance: Premiered 26th November 2014

Dancers: 2 male / 2 female = 4 in total

Duration: 12 minutes.

Dance Styles: Stemming from his own training, Christopher Bruce's signature movement style is grounded in modern dance techniques with a combination of classical and contemporary dance language termed "neo-classical".

Structure: Semi-narrative. Solo, duet, trio, quartet.

Choreographic Intent:

Christopher Bruce's works are often 'politically aware', in reference to past or current political events happening across the world, exploring their effect on human life. In this piece, Bruce invites the audience into the world of a small family, possibly set in Eastern Europe (though this is left up to individual interpretation) coming to terms with deprivation, poverty, and the realities of what lies outside their intimate family home. Bruce describes this piece as "a darker work, with a sort-of narrative", allowing the audience to apply their own context to the material danced on stage.

Stimulus:

- Arvo Part's Fratres for violin and piano was the starting point for the work.
- For Bruce, the music "evokes images of a European history and tradition steeped in over a thousand years of suffering and human experience."
- In Shadows, Bruce translates this vision into an exploration of a family dynamic, examining the relationships between each member (son, daughter, mother and father) as they deal with an unseen but ever-present outside force.

Choreographic Approach:

Bruce does not prepare movement before entering the studio, preferring to wait and work with the dancers so that he can be influenced by them. For Bruce, as well as being appropriate to the piece, the movement must also sit well on the dancers. He started Shadows with the idea of a family unit sitting around the hearth or around a dinner table and knew that the furniture would become an intrinsic part of the choreography as opposed to being a static set. The "anxiety of the music" greatly influenced the movement content, with the form of the piece allowing each member of the family to have a voice and tell their story.

Aural Setting:

The accompaniment is Arvo Part's Fratres (composed in 1977), the version for violin and piano pre-recorded for use in performance. The music has no break in tempo, following Part's signature style of composition — using broken chords and diatonic scales. The music is in a minor key and is integral to the dark, solemn atmosphere of the piece. There is a clear correlation between the movement vocabulary and accompaniment in terms of speed and dynamics, often used to introduce each character and their emotional response to their environment.

- · Theme and variation.
- · Harsh, rapid violin at high pitch with notes running this way and that especially for the children
- Softer, more fluid piano and violin melody for the parents
- Low booming piano notes mark the end of each section
- The ending is much quieter and slower, the whole dance finishing on the low piano notes.

Staging and Set:

- End stage
- Staging/set Designed by Christopher Bruce.
- Minimal set within a black-box
- The piece includes a table, a bench, two stools, a coat stand and suitcases - all wornlooking, and somewhat drab: confirming the notion of hardship within the family. The space created allows the audience to enter the heart of the home, the kitchen. This is where the narrative of the choreography and the relationships between the family members unfolds.
- Set and lighting work together - empty black box allows lighting squares to stand out.

Costume:

Designed by Christopher Bruce. The costumes are **clearly gendered**, depicting the era of the 1930s -1940s: simple shirts, skirts, trousers and dresses as well as large overcoats worn at the very end of the piece. **Colours are muted and worn down - again symbolising deprivation and poverty**. There are no costume changes in the piece. Towards the end of the piece the dancers/family prepare to leave the house by putting on shoes and coats. It is clear that these jackets are oversized for the son/daughter, again referencing to the fact that the family are living in poverty.

- Mother: floral 1940's tea dress, pink flowers, short puffed sleeves, calf length flared skirt, fitted waist, hair in bun
- Father: collarless cotton white shirt with faint stripes, rolled up sleeves, grey trousers, brown waistcoat
- Son: collarless white shirt, untucked, buttons undone at top, rolled up sleeves, grey trousers.
- Daughter: delicate pastel cotton blouse, puffed short sleeves, pleated front, grey below the knee A line skirt, hair in ponytail

Lighting:

Designed by John B Read, who uses the lighting to create an intimate space on stage depicting the feeling of 'a room', as well as to indicate what is waiting for the family outside that they are so reluctant to step into.

- White sidelighting from stage right and left
- One white sidelight shining from downstage right corner, throwing a shaft of light on a diagonal pathway towards upstage left

Homework Links

VLE – video links

https://www.phoenixda ncetheatre.co.uk/produc tion/shadows/



Key Vocabulary

Costume

Lighting

Set design / Physical Setting

Accompaniment

Choreographic intent

Choreographic approach

Stimulus

Artistic intention

Contribution

Enhances

Highlights

Dance
Artificial Things

Year: 11 Term: 4

BIG QUESTIONS

How does the lighting contribute to the audience's understanding of the choreographic intent of Artificial Things?

How does the costume contribute to the audience's understanding of the choreographic intent of Artificial Things?

How does the set design contribute to the audience's understanding of the choreographic intent of Artificial Things?

How does the music contribute to the audience's understanding of the choreographic intent of Artificial Things?

How does the choreographic approach support our understanding of Artificial Things?

Why has the choreographer made the decisions regarding each component? What is the impact of that decision?

Choreographer: Lucy Bennett

Performed by: Stopgap Dance Company Performance: 5 February 2014, UK premiere

Dancers: 4 – 2 male, 2 female

Duration: 20 minutes

Dance Styles: Inclusive Contemporary Dance

Stimulus:

- An isolated figure perched on a collapsed wheelchair, in a snow covered landscape - viewed from afar as if through a snowglobe.
- Paintings by Goran Djurovic.
- · The dancers' personal experiences.

Choreographic Intent:

Scene three is the final scene of *Artificial Things*. The undertone of the scene is about the characters coming to terms with life's limitations - we all live within certain confinements, and we are subject to the gaze of 'the other'. The characters acting out this sorrowful but peaceful scene are still constricted within a snow globe that signifies these ideas. Within the scene however, the characters find a resolution by coming together, and as the scene comes to a close, they surrender to the fact that we all have to live with individual regrets.

Choreographic Approach:

- Laura is the source of the movement, adapted by David and Amy.
- · Collaboration with the dancers.
- · Task setting.

Structure:

Artificial Things consists of three scenes.

The first scene depicts the underlying tension between the characters, and the second scene is exciting but violent, where the characters seek liberation from the suffering austerity. This leads to a tragedy, and scene three is its aftermath, where the characters are more pensive. Scene three opens with two duets. The first is ground-based contact work involving a dismantled wheelchair. The second duet was influenced by the dancers improvising around the idea of inviting touch, and leading and following,

The group then unites and use ground-based contact work to stay connected whilst manipulating the dismantled wheelchair.

The trio of Amy, David Willdridge and Laura begins to find harmony whilst dancing with one another and Laura's wheelchair. Following Laura's lead they explore the movement of the chair, and each dancer takes responsibility for the wheelchair. The trio eventually gathers around David Toole, who has been watching from the vitrine (glass display cabinet), and they re-enact portraits of past family photos influenced by the paintings of Djurovic. They find stillness as if frozen in the snow globe.

David Toole leaves the group as the music 'The Sunshine of Your Smile' begins and finds a lonely spotlight. He dances a simple solo focusing on facial expression and physical storytelling to the song that his father used to sing when he was young This solo is a tribute to his father.

David returns to the group and is frozen in time with the other characters as the scene comes to a close.

Costume:

Amy: Green, thigh length, sleeveless dress with streaks of blue and grey. Side vents. Peter pan collar.

Laura: White sleeveless top with bright blue streaks. Grey trousers with pleats. Blue belt. Black heeled shoes.

David: White collared short sleeved shirt with streaks of blue and green. Blue/grey trousers. **Dave:** Pale green collared, short sleeved shirt with pocket and darker green streaks. Grey trousers.

Designed by Anna Jones, the costumes are a wash of blue and green, merging with the backdrop. It looks as if paint is running from the garments, which is a reference to being stuck in one of the paintings by Djurovic. Outer garments worn in previous scenes, such as jackets and jumpers, are removed in this scene to depict that time has

Aural Setting:

The Sunshine of Your Smile - old fashioned love song sung by a tenor with orchestra: Dave's Solo. For scene three Andy Higgs wanted to create a futuristic atmosphere acknowledging that time had passed and that the old ways had broken down. He used the whole of the piano both inside and out to create a cold, ambient sound. He also used the sound of the paper snow and incorporated other sound effects such as a distant rumble, wind and footsteps through snow. Elements of the song 'The Sunshine of Your Smile' were mixed into the atmosphere often sounding distorted or as if drifting in on the wind. The final section uses the full version of the song.

Staging and Set:

- Grey floor with wide wooden border.
- Cream coloured backdrop with streaks of paint in blue, green, brown.
- Vitrine [display cabinet] upstage left on its side, full of snow.
- 3 stools in front of the vitrine with a headless mannequin seated in a brown suit.

Designed by Anna Jones. The set is influenced by several paintings from the 'Unknown Secrets' collection by Goran Djurovic. It consists of a crudely painted heavy backdrop in which paint looks as if it is running down the canvas. In scenes one and two this is painted with brightly coloured strips, which are removed for scene three to create calmer visuals. This scene change signifies the change of mood. The vitrine is on its side with a snowdrift inside the cabinet. Paper snow is scattered on the ground in a diagonal from the vitrine to Laura who is downstage right. In front of the vitrine there are two stools and a headless suit on mannequin legs perched on a third stool.

The dance floor is a light grey and around the edge is a wooden frame reflecting the colour, shape and restriction of the vitrine. This emphasises the fact that

Lighting:

- 2 white spotlights downstage right & centre stage[Dave & Laura].
- Amber upstage sidelights [David & Amy].
- Blue wash [trio].
- Deep blue central spotlight [Dave's solo] & amber sidelighting on the group.
- Designed by Chahine Yavrovan.
- For much of the piece the lighting focuses in on one or two spots.

Homework Links

VLE – video links

https://www.stopgapdan ce.com/artificial-things-the-film



Key Vocabulary

Costume

Lighting

Set design / Physical Setting

Accompaniment

Choreographic intent

Choreographic approach

Stimulus

Artistic intention

Contribution

Enhances

Highlights

Business Quality of goods and services Year 11 Term: 4

BIG QUESTION S

- Can you explain the difference between 'Quality Control' and 'Quality Assurance'?
- Can you explain the benefits to a business of providing 'quality' products or services?
- Can you evaluate methods of ensuring quality?

Quality is:

about a product being fit for purpose and working in a way that it is supposed to Homework: Sample Assessment Material Question 4 and 16a https://www.ocr.org.uk/Images/304218-unit-j204-02-business-2-operations-finance-and-influences-on-business-sample-assessment-material.pdf

Quality control

A system for inspecting the quality of goods and services

Quality assurance

An approach that involves the whole business focusing on quality

Returns

Goods which customers take back to the shop because of problems

Recalls

The business asks for products to be returned because of faults

Importance of providing quality products

It avoids waste

If goods are not of a good quality they may not be able to be sold and so the producer has wasted money

It avoids recalls

If unsatisfactory products are made and sold they will then have to be recalled and the issue resolved at a cost to the manufacturer

Reputation and sales

Customers will not be happy with poor quality products and may shop elsewhere in the future

Disrupted production

Production may be disrupted if quality is poor from the start

Business Year 11 Production Term: 4

BIG QUESTION S

- Can you list at least two benefits and two drawbacks to a business of using batch production?
- Can you list as many different products as you can that you believe would be produced by job, batch and flow production?

Job production

Advantages	Disadvantages	
■ Products are usually high-quality ■ Products can be made to meet the needs of individual customers ■ Workers often get more satisfaction	■ Costs of production will be high ■ Labour costs may be high because job production often requires skilled labour	

Batch production

Advantages	Disadvantages
■ The needs of different customers can be met by making batches of different goods ■ Batches are made to meet specific orders from customers ■ It may be possible to use specialist machines to automate production	It takes time to switch production from one batch to another - costly May have to keep stock of raw materials to be able to switch production Less choice of products for customers Tasks are repetitive for workers

Technology is being used more and more in the production of goods and services.

Technological development is making it possible for technology to perform skilled work and reducing the need for human resources

Flow production

Advantages	Disadvantages
■ Large amounts can be made ■ Costs of production for each unit is low ■ Machinery can be used, helping to recue costs ■ Technology can be used to change the products slightly to more are available for customers to choose from	■ Goods are mass- produced so quality may be low ■ Expensive to set up a production line ■ Large stocks of materials need to be kept which can be expensive ■ If production stops at any point then production stops everywhere ■ Jobs can be repetitive and boring

Production is:

the process of turning raw materials into saleable products and services

Job production

Making products individually

Batch production

Making one type of product then switching to make a different product

Flow production

The production of one product on a continuous assembly line

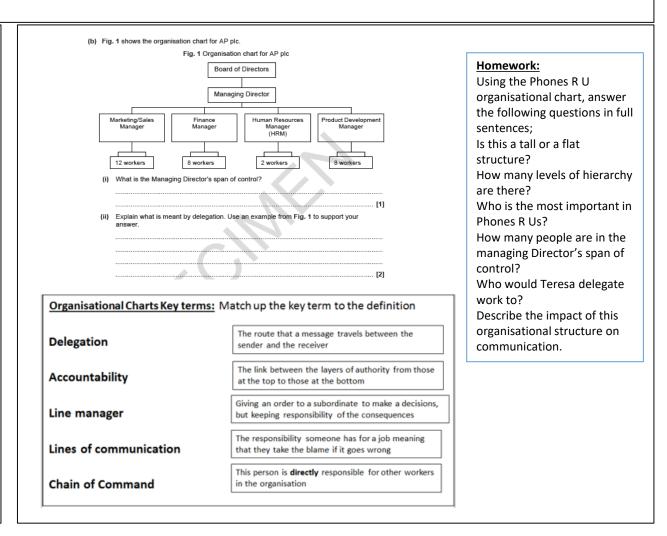
Automation

Production involving machinery not controlled by a person Business
Organisational Structures

Year 11 Term: 4

BIG QUESTION S

- Do you know the difference between a flat and a tall structure?
- Why do you think businesses choose to delayer?
- Can you explain the benefits and drawbacks of having a tall structure?
- Can you explain the benefits and drawbacks of having a flat structure?



Business Studies GCSE

Year 10 & 11 Whole Year

BIG **QUESTIONS**

How do I answer the 9 mark GCSE question?

THINK DACE!

Definition

Application

Counter-argument

Evaluation

Definition - Is there a term in the question that can be defined? (if no, do not force a definition, go straight into Application.)

Example – Analyse the effectiveness of a partnership as a form of business ownership? 'A partnership is when two or more people come together to start a business......'

- Apply your understanding/knowledge **Application** - Link the answer to the case study (A02)

- What are the advantages?
- Make sure to **explain** all knowledge applied

Example – One advantage of a business taking the form of a partnership would be.....This is an advantage because.....

- Are there **disadvantages**?

Counter-argument - Link answer to counteract the advantages. (A02) disadvantage of this business - No disadvantages? What would (A03a) happen to the business without it?

Example - However, a ownership would be.....This is a disadvantage because.....

Evaluation (A03b) - Summarise the advantages against the disadvantages! State your opinion, make sure you explain why you have come to this decision? Relate back to the business and the effects it would have.

Example – In conclusion, I think a partnership is an effective form of ownership because...

Big Question – How do I achieve A02 (application) marks?

A number of questions in the exam will ask you a direct question about a particular business from the case study. You need to make sure that you always <u>APPLY</u> your knowledge to that particular business in your answer. This will allow you to achieve an additional AO2 mark (APP) every time.

Here's an example....

Question - Analyse one way in which **Redrow Homes** could use Group Activities when selecting new apprentices? (3 marks)

Answer 1 - Redrow Homes could use group activities as it would allow them to see how well potential apprentices work together on a task. This will highlight if they have good communication skills. (Only 2 marks have been awarded here as the answer was not applied specifically to the business).

Answer 2 - Redrow Homes can assign a task where all the applicants work toge to solve a problem relating to a scenario on a bui ng site. This allows the interviewers to observe candidates' interperso skills (3 marks have been awarded as the answer is applied to Redrow Homes and a scenario using a building site).

Don't forget the TESCO TEST!



Remember that the application mark (A02) is more than just writing the name of the business. If you can put TESCO in your answer and it still makes sense, you have not specifically applied it to the business from the case study.

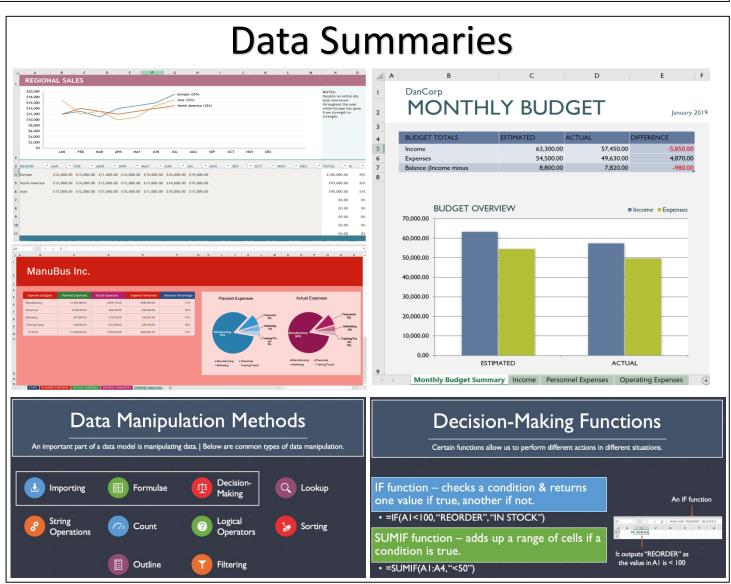


^{*}Answer 2 would not make sense if you replaced Redrow Homes with Tesco. This is because the answer specifically talks about a building site. Application mark secured!

Year: 11 Term: 4 - Coursework

BIG QUESTIONS

- 1. What is the purpose of a spreadsheet dashboard?
- How are functions different to formulae?
- 3. Why would you use a graph/chart instead of large datasets?
- 4. How can spreadsheets be used to make decisions?
- 5. How a spreadsheet be automated?
- 6. What is the purpose of a data summary?

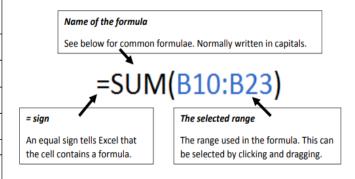




Spreadsheet formatting tools			
<u>₹</u>	Fill cell	Fills a cell with a selected colour.	
<u>A</u> -	Font colour	Changes font colour to a selected colour.	
= = =	Alignment	Moves the text within a cell to the top, centre or bottom – or left, middle or right of a cell.	
<i>≫</i> , -	Orientation	Rotates text either diagonally or vertically. Can be used for heading of columns.	
	Wrap text	Wraps long lines of text into a cell, making the cell taller so that all text can be seen.	
	Merge & Centre	Combines the contents of multiple selected cells and centres the content in the new cell.	
-	Accounting	Used to convert numbers into currency so that the data can be calculated as money .	
%	Percentage	Formats a number as a percentage.	
€.0 .00 0.€ 00.	Change decimal	Changes the decimal places of a number so that the number is more/less accurate. Changes the type of data contained in a cell. Copies all of the formatting of a cell so it can be used in another.	
General	Change data type		
100	Format painter		

Operators			
+	Adds two numbers / cells		
-	Subtracts one cell or number from another		
*	Multiplies two numbers/cells		
/	Divides one number / cell from another one		
<	Less than		
>	Greater than		
<=	Less than or equal to		
>=	Greater than or equal to		

Golden rule: every formula always starts with an =



Common formulae			
Formula name	Example (with range)	What it does	
Sum	=SUM(A1:A10)	Adds together all numbers	
Sum		within the given range.	
Count	=COUNT(B2·B14)	Counts up all of the cells within	
Count		a range that have numbers in.	
Average	=AVERAGE(A1:A10)	Finds the average number	
Average	-AVERAGE(AL:A10)	within a range.	
Maximum	=MAX(A1:A10)	Finds the largest number within	
IVIAXIIIIUIII	-WAX(AI.AIU)	a range.	
Minimum	=MIN(A1:A10)	Finds the smallest number	
Millimum	-WIN(ALAIO)	within a range.	

Homework Links

Links on Teams

Use this link for all tasks:

https://support.office.com/engb/article/excel-for-windows-training-9bc05390-e94c-46af-a5b3-d7c22f6990bb

Homework 1: Tasks <u>—</u> Intro to Excel, Rows & Columns and Cells.

Homework 2: Tasks – Formatting

Homework 3: Tasks – Formulas & Functions Charts, Pivot table

Homework 4: Task - Charts,

Homework 5: Tasks - Pivot tables

Key Vocabulary

Dashboard

Delimiting

Worksheet

Cell

Pivot table

Pivot chart

Spinners

Functions

Formula

decision making

Cell reference

Datatypes

LOOKUP

Media: Component 3 –Exam

Big Questions

What is an exam brief? What elements make up a magazine page? What are some of the current trends in Magazine Publishing? What are Mainstream. niche and alternative media products? What are the key magazine terms? What is Primary research? What is secondary research? What do you need to include in an ideas log? How do you develop your ideas from an ideas log to a design? How can you develop your designs into a final product?



- Talk about the demographic and psychographic profile of your target audience and why you will focus on them
- Discuss the research you have done and how this has influenced your ideas
- Explain your first idea and why it would be effective
 (reference your research)
- Explain your second idea and why it would be effective
 (reference your research)
- Say which idea you are going with and why
- Discuss the elements of your first page (front cover) and why you have chosen them (primary or secondary image?)

Thirds, masthead, main image, main cover line, other cover lines, price, banners, flashes)

 Discuss the elements of your second page and why you have chosen them (primary or secondary image?)

(Title, intros, layout, images, design features, pull quotes)

Link back to the key requirements from the brief and say how you will meet these



Give Back is a new national organisation. The aim of the organisation is to highlight volunteering opportunities and promote the benefits of volunteering to teenagers.

Set Brief

Give Back has asked you to produce a media product. Your product should promote at least one way that 14–18 year olds can gain experience and develop their own skills while undertaking formal or informal volunteering within their local communities.

Your media product should:

- · be informative and appealing
- · use language that will engage the target audience
- promote the benefits of volunteering
- demonstrate a wide range of practical skills.

You must create a product from **one** of the following sectors: Audio/Moving Image, Publishing or Interactive.

Publishing sector

Produce pages for a media publishing product. You should:

- create three pages
- · include original images and graphics
- make appropriate use of page layout and design techniques
- include written content appropriate to the brief
- · save the final media product in an appropriate digital format.

Exam Dates->

Year 11



Part 1 - 2 hrs

11C/Me1 2nd March period 4 & 5 in C10

11B/Me1 3rd March Period 1 & 2

Part 2 - 3hrs

11B/Me1 21st March Periods 1,2 & 3a in

11C/Me1 22nd March Periods 1,2 & 3a in C10

Part 3 - 4hrs

11C/Me1 3rd May Periods 2, 3a, 4 & 5 in C10

11B/Me1 6^{th} May Periods 2, 3a, 4 & 5 in C10

Subject: MFL-French Year / Group: 11 Mod 8 – Un œil sur le monde – How do I talk about global issues? Topic: Term:

the environment

cruelty to animals

racism

the state of the planet

What can we do to help?

You can do voluntary work.

You can give money to a charity.

What will the weather he like?

You can sponsor a child.

You can recycle.

There will be ...

rain

snow

wind

thunder

showers

lightning

You/We have to act.

BIG QUESTIONS

1. Qu'est-ce qui est important pour toi dans la vie?

2. Qu'est-ce qui te préoccupe?

- What's important for you in life?
- What concerns you?
- 3. Comment peut-on aider? How can we help?
- 4. FUTURE: Quel seront les conséquences du changement climatique?

What will be the consequences of climate change?

- 5. Quel est le plus grand problème pour la planète? What is the biggest problem for
- the planet?
- 6. Qu'est-ce qu'on doit faire pour protéger l'environnement? What must we do to protect the planet?
- 7. Que fais-tu pour protéger l'environnement? What do you do to portect the

Ce qui est important pour moi What's important to me Ce qui est important pour moi, What's important to me is ... c'est ... l'argent (m) money le sport sport mes animaux

la musique music Ce qui me préoccupe What concerns me What concerns me is ...

Ce qui me préoccupe, c'est ... l'environnement l'état (m) de la planète le racisme la cruauté envers les animaux

Qu'est-ce qu'on peut faire pour aider? On peut faire du bénévolat.

On peut parrainer un enfant. On peut donner de l'argent à une association caritative. On peut recycler.

Quel temps fera-t-il? Il v aura ...

Il faut agir.

de la pluie de la neige du vent du tonnerre des averses des éclairs

Le plus grand problème

la surpopulation

la sécheresse

les inondations

la pollution de l'air

environnemental, c'est ...

le changement climatique

le manque d'eau potable

la disparition des espèces

des éclaircies

The biggest environmental problem is ... climate change the lack of drinking water the extinction of species la destruction des forêts tropicales overpopulation

accès à cette ressource vitale. On détruit la planète. C'est très inquiétant. C'est catastrophique.

hunger war injustice poverty violence

my family

my health

my friends

my animals

my studies

Il faut lutter contre la faim. Il faut signer des pétitions.

ma famille

ma santé

mes amis

mes études

la faim

la guerre

l'injustice (f)

la pauvreté

la violence

Il fera ...

beau

chaud

froid

frais

mauvais

Le temps sera ...

ensoleillé

nuageux

Il faut participer à des manifestations. Il faut éduquer les gens.

hunger. You/We have to sign petitions. You/We have to take part in demonstrations. You/We have to educate people.

You/We have to fight against

It/The weather will be ... nice/good bad

> hot cold chilly The weather will be ...

> > sunny cloudy

Les problèmes environnementaux Environmental problems

les incendies Les arbres nous donnent de l'oxygène et nous les coupons tous les jours.

Beaucoup de personnes n'ont pas

we cut them down. Lots of people don't have access to this vital resource. We are destroying the planet.

Trees give us oxygen, and every day

It's catastrophic.

It's very worrying.

environment?

flooding/floods

sunny intervals

the destruction of the rainforests air pollution drought

69

our planet? You/We should/can ... recycle separate the rubbish make compost consommer moins d'énergie consume less energy éteindre les appareils électriques turn off electrical appliances and the light mettre un pullover au lieu d'allumer le chauffage

put on a jumper instead of turning on the heating make responsible purchases use recycled paper

buy green and organic products

What should we do to save

The future tense is formed with the future stem of the verb + the future tense endings.

travel differently

future tense stem		future tense endings	
-er/-ir verbs	the infinitive	je travailler ai (I will work)	
-re verbs	the infinitive without the final -e	tu travailler as (you will work) il/elle/on travailler a (he/she/we will work) nous travailler ons (we will work)	
avoir	aur-	vous travailler ez (you will work)	
être	ser-	ils/elles travailler ont (they will work)	
aller	ir-		
faire	fer-		

rk)	

utiliser les transports en commun

aller au collège à vélo

économiser l'eau

boire l'eau du robinet

prendre un bain

fréquemment

les dents

tirer la chasse d'eau moins

fermer le robinet en se lavant

installer des panneaux solaires

pouvoir

(to be able to)

refuser les sacs en plastique

avoir une bouteille d'eau au lieu

prendre une douche au lieu de

de prendre un gobelet jetable

réutiliser

je peux (I can)	je dois (I must)	je veux
tu peux	tu dois	tu veux
il/elle/on peut	il/elle/on doit	il/elle/on veut
nous pouvons	nous devons	nous voulons
vous pouvez	vous devez	vous voulez
ils/elles peuvent	ils/elles doivent	ils/elles veulent

(to have to)

devoir

use public transport

go to school by bike

turn down plastic bags

have a bottle of water instead of

take a shower instead of a bath

flush the toilet less frequently

turn off the tap while brushing

vouloir

(to want to)

taking a disposable cup

reuse

save water

drink tap water

your teeth

install solar panels



It will be chilly. Il **fera** frais. There will be wind./It will be windy. Il y aura du vent. Le temps sera orageux. The weather will be stormy.

When you use the simple future tense to talk about the

weather, you are mostly using the third person singular

(il form) of faire, avoir and être. The il form ending is -a.



· qui means 'who'

 ce qui ... means 'that which/ what ...' Ce qui est important pour moi, c'est ...

What's important to me is ...

Que doit-on faire pour sauver

faire des achats responsables

acheter des produits verts et des

utiliser du papier recyclé

notre planète?

On doit/On peut ...

trier les déchets

faire du compost

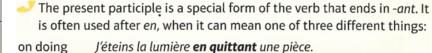
et la lumière

produits bio

voyager autrement

recvcler

Link your ideas together using phrases like en plus and ensuite - don't just write a long list! Use time and place phrases like à la maison, à l'école/au collège, actuellement and à l'avenir to add interest.



I turn the lights off on leaving a room. by doing J'économise l'eau **en prenant** une douche au lieu d'un bain. I save water by taking a shower instead of a bath.

J'éteins la lumière en quittant une pièce.

is often used after en, when it can mean one of three different things:

while doing Je ferme le robinet en me lavant les dents. I turn off the tap while brushing my teeth.



This term: Module 8 – Studio Edexcel GCSE French (foundation) Use Memrise the day before your lesson to prepare! https://www.memrise.com/course/1797879/module-8-studio-edexcel-gcse-french-foundation/

Homework Links

Most of your homework in MFL will require you to revise vocabulary and grammar to effectively understand and produce high quality language.

Skills

Aiming to add the following skills to your language will help you hugely with this topic and the exams:

- Using qui and ce qui The simple future tense to talk about
- the weather Using cognates to understand meaning
- Using on doit and on peut + the infinitive
- Using en + the present participle Linking ideas together

Writina Below is an example of the kind of points

you will need to address in written tasks for this topic:

- Qu'est-ce qui est important pour toi dans la vie? Quel est le plus grand problème pour
 - la planète? Qu'est-ce qu'on doit faire pour
- protéger l'environnement? Quel seront les conséquences du changement climatique?

Key Vocabulary

Please note: The pupils cover an enormous range of vocabulary in MFL. Every word is a key word.

Subject: MFL-Spanish Year / Group: 11 Mod 8 – Hacia un mundo mejor – How do I talk about global issues? Topic: Term:

a semi-detached / terraced house

What is your house like?

a block of flats

a farmhouse

global warming

In order to...

You should...

shower

destruction of woodland / forest

protect the environment /

the rivers and seas

combat global warming

clean (up) the streets

reduce pollution

plant more trees

a detached house

a flat / apartment

I live in ...

BIG QUESTIONS

- 1. ¿Dónde vives? Where do you live?
- 2. ¿Te gusta donde vives? Do you like where you live?
- 3. ¿Cómo cuidas el medio ambiente en casa? How do you look after the environment at home?
- 4. ¿Qué haces para ser verde? What do you do to be green?
- 5. ¿Cuál es el problema global más serio? What is the most serious global
- 6. ¿Qué hay que hacer? What do we need to do?

problema?

- 7. FUTURE: ¿Qué se debería hacer? What should we do?
- 8. FUTURE: ¿Qué se debería hacer para ayudar? What should we do to help?

¿Cómo es tu casa? Vivo en... un bloque de pisos una casa individual una casa adosada un piso / apartamento una granja Está en... el centro de la ciudad un barrio en las afueras las afueras el campo un pueblo en la costa la montaña abajo / arriba en la planta baja ¿Cómo cuidas el medio ambiente en casa? Apago / Apagamos la luz

el calentamiento global

limpiar las calles

global

Se debería...

ducharse

los ríos y mares

plantar más árboles

Para...

la destrucción de los bosques

reducir la contaminación

proteger el medio ambiente /

luchar contra el calentamiento

It is in ... the centre of city a district in the suburbs the outskirts / suburbs the country a village on the coast the mountains downstairs / upstairs on the ground floor How do you look after the environment at home? I turn off / We turn off the light la lámpara the lamp Desenchufo / Desenchufamos I unplug / We unplug los aparatos eléctricos electric devices el equipo de música the stereo el ordenador the computer the television la televisión Prefiero usar... I prefer using ... la ducha / la bañera the shower / the bath Ahorramos agua. We save water. Separamos... We separate... Reciclamos... We recycle... the rubbish la basura :Actúa localmente! Act locally! Hay demasiada basura. There is too much rubbish. The air is polluted. El aire está contaminado. la seguía drought

un cuarto de baño	a bathroom
un despacho / estudio	a study
un dormitorio	a bedroom
un salón	a living room
un garaje	a garage
un jardín	a garden
una cocina	a kitchen
una terraza	a terrace / balcony
una mesa	a table
unas sillas	some chairs
el papel	paper
el plástico	plastic
el vidrio	glass
los cubos de basura	rubbish bins
Cerramos	We shut
las ventanas	the windows
la puerta	the door
Compramos productos verdes.	We buy green products.
el armario	the cupboard
el sofá	the sofa
la cama	the bed
la lavadora	the washing machine
la calefacción	the heating
Malgastamos energía.	We waste energy.
hacer todo lo posible	to do everything possible
ser verde	to be green
usar productos ecológicos	use environmentally-friendly products
ahorrar energía en casa	save energy at home
usar el transporte público	use public transport
reciclar todo lo posible	recycle everything possible
usar energías renovables	use renewable energies
hacer proyectos	do environmental projects
medioambientales	F. 77

on the first floor

on the first floor

a dining room

outside...

there is...

a toilet

en la primera planta

en el primer piso

apagar la luz

eléctricos

tirar basura al suelo

usar bolsas de plástico

No se debería...

reciclar el papel y el vidrio

desenchufar los aparatos

fuera...

un aseo un comedor

hay...

más serio? global problem? El mayor problema global es... The greatest global problem is... el paro / desempleo unemployment el medio ambiente the environment el hambre hunger los sin hogar / techo the homeless los animales en peligro the animals in danger of extinction de extinción

¿Cuál es el problema global

la desigualdad social

¿Qué hay que hacer?

cuidar el planeta

Me quedé sin hogar

Perdí mi trabajo

crear más empleos

reducir el consumo

usar productos verdes

apovar a provectos de ayuda

hacer campañas publicitarias

Hay que...

la crisis económica la contaminación... de los ríos / mares la pobreza la drogadicción los drogadictos los obesos la tasa de desempleo What must be done? Sufrí agresiones Pasé una semana... look after the planet

la salud

los animales amenazados Encontré un centro de ayuda el alquiler Si tengo éxito...

I found a help centre the rent If I am successful ... una organización humanitaria humanitarian organisation currently actualmente per cent por ciento la edad media average age

Homework Links

Most of your homework in MFL will require you to revise vocabulary and grammar to effectively understand and produce high quality language.

Skills

Aiming to add the following skills to your language will help you hugely with this topic and the exams:

- Using the we form
- Para + infinitive The superlative
- High numbers
- Se deberíá + infinitie
- Synonyms

Writing

Below is an example of the kind of points you will need to address in written tasks for this topic:

- ¿Dónde vives?
- ¿Cómo cuidas el medio ambiente en casa?
- ¿Cuál es el problema global más serio?
- ¿Qué se debería hacer?

Key Vocabulary

Please note: The pupils cover an enormous range of vocabulary in MFL. Every word is a key word.

Use se debería followed an infinitive to mean 'you/one should'. It is the conditional form of se debe (you/one must). Se debería ahorrar energía. You/One should save energy. No se debería tirar basura al suelo. You/One should not throw litter

on the ground.

What is the most serious

social inequality

One / We must...

create more iobs

reduce consumption

support aid projects

use green products

I ended up homeless

I lost my job

do publicity campaigns

Para ser verde... Para cuidar el medio ambiente... usamos la ducha siempre reciclamos todo lo posible vamos en bici / a pie separamos la basura usamos bolsas de plástico (casi) nunca ponemos la calefacción vamos en coche

When listening for higher numbers keep calm and don't assume you'll hear the answer immediately. Listen the second time to be sure.

- 1.000.000 = un millón
- 1.000 = mil
- 3.574 = tres mil quinientos setenta y cuatro 95% = el noventa y cinco por ciento

Use a full stop to separate thousands and a comma for decimals.

Use the superlative to say 'the (poor)-est', 'the most / least (serious)', etc.

health

poverty

the economic crisis

of the rivers / seas

endangered animals

the unemployment rate

the pollution...

drug addiction

drug addicts

obese people

I suffered attacks

I spent a week ...

The adjective usually goes after the noun and agrees with it. el / la / los / las + noun + más / menos + adjective

el lago más limpio the cleanest lake la montaña más alta the highest mountain

Some superlatives are formed differently and go in front of the noun: el mayor / menor problema the greatest / smallest problem

la mejor / peor solución the best / worst solution



Unit 2 Promoting Children's Development Through Play

Term: 4

BIG QUESTIONS

To be able to adapt provision for learning to take place

- ✓ What are the risks of outside play for young children
- How can play be adapted to support children's individuals needs
- ✓ How can we adapt play to promote inclusive learning



C2 Adapting activities/resources to support a child with physical needs (as appropriate to the age group)

- Make adjustments to the environment sufficient space is available to carry out the activity, adjust the amount of lighting available to improve visibility.
- Choose resources that are age and stage appropriate.
- Select appropriate resources that all children can use, including resources for grasping, holding, releasing and transferring.
- Secure movable objects so they do not move use tape to secure paper, mixing bowls or wood blocks to the table or floor so they remain in place as the child paints, draws, stirs or hammers.
- · Adjust the level of activities and resources to suit the child's needs.
- Provide materials and resources for sensory needs, including use of contrasting colour schemes, 3D art materials, use of scents and textures

C3 Adapting activities to support a child with cognitive and intellectual or communication and language needs (as appropriate to the age group)

- Provide opportunities to learn and play near to other children doing the same activity -encourage sharing of ideas.
- · Shorten activities to suit concentration span.
- Use peers or other adults to model activities.
- Break activities down into short steps repeat steps as necessary.
- Modify toys and equipment to suit individual needs reduce number of parts, remove items that are too small, use specific colours.
- · Limit the number of materials available to avoid overwhelming the child.
- Use technological/digital resources as appropriate.

C4 Adapting activities to support a child with communication and language needs (as appropriate to the age group)

Use group and/or team activities to promote social inclusion - encourage friendships with other children, build bonds and trust with adults.

- Build confidence in own skills.
- Use alternative communication:

Picture Exchange Communication System® (PECS) – starting with simple words, building to sentence structures

Makaton - signs and symbols to support speech or be used in place of speech.

- Use nursery rhymes with actions to promote identification of words, including songs where words and actions are repeated.
- · Label equipment use picture cards to encourage independence and choice.
- Display routines and activities as pictures.

C5 Adapting activities/resources to support a child experiencing social and emotional needs

- Promote self-resilience limit the choices of activity available so a child does not feel overwhelmed, provide activities that will help the child feel capable.
- Provide a structured approach assign specific tasks to the child during the transition to reduce their worry.
- Maintain engagement of the child by filling tidying-up periods with short activities.
- \cdot Set out activities that focus on a child's areas of interest choosing books and games that include the issue that is worrying the child.
- Promote choice and control over the environment by providing a range of materials and resources that can be used to complete an activity.
- Encourage expression of thoughts, feelings and ideas use pretend play activities, including dressing-up clothes and role play, cooking materials, use of puppets and dolls.
- Encourage group activities builds confidence in participating with other children; encourages sharing and turn taking

Homework Links

Research from the following websites-

- √ www.education.gov.uk
- http://www.eclre.org/media/84 /61/adaptingactivitiesand_mate rialsec-1.pdf
- https://www.earlyyearscareers .com/eyc/sendsupport/identifying-andsupporting-all-childrensindividual-needs/

Key Terms LA-A/B

Inclusive practice- provide them with opportunities to overcome these difficulties

Self-image- the idea one has of one's abilities, appearance, and personality:

Key person-named person who has responsibility in a setting for working with you and meeting your child's individual needs.

Self-efficacy- the set of beliefs we hold about our ability to complete a particular task.

Nurtured-help or encourage the development of: care for and protect (someone or something) while they are growing:/

BIG QUESTIONS

What are care values and why are they important?

Why is it important to apply care values in a compassionate way?

Why is it important For Health and Social Care professionals to reflect on their own practice?



Health and Social Care

B1-Care Values

Explore and practise applying the different care values that are key to the delivery of effective health and social care services.

- a. Empowering and promoting independence by involving individuals, where possible, in making choices, e.g. about treatments they receive or about how care is delivered
- b. Respect for the individual by respecting service users' needs, beliefs and identity
- c. Maintaining confidentiality (when dealing with records, avoiding sharing information inappropriately, e.g. gossip)
- d. Preserving the dignity of individuals to help them maintain privacy and self-respect
- e. Effective communication that displays empathy and warmth
- f. Safeguarding and duty of care, e.g. maintaining a healthy and safe environment, keeping individuals safe from physical harm promoting anti-discriminatory practice by being aware of types of unfair discrimination and avoiding discriminatory behaviour.

Application of care values

Reflect on own application of care values, including using teacher or service-user feedback.

B2 Reviewing own

Key aspects of a review:

- a. Identifying own strengths and areas for improvement against the care values
- b. Receiving feedback from teacher or service user about own performance
- c. Responding to feedback and identifying ways to improve own performance.



Year: 11



Tasks that need to be completed for this assignment

Learners must be given the opportunity to demonstrate care values in one or more simulated or real situations (one situation may not provide sufficient opportunities for learners to demonstrate all of the care values, in which case additional situations could be used). The situation(s) could relate to health or social care.

Learners then review their own performance.

Example task

Demonstrate each care value listed

- > Firstly, review how well you did
- Respond to feedback received from the teacher and/or service users, making suggestions for improvement.

Evidence

Evidence must fully meet the requirements of the assessment criteria and could include:

- > Signed observation records, accompanied by a checklist of the values demonstrated
- > Written review of own performance, along with feedback received.

Homework Links

Research from the following journals-

- √ Community Care Magazine
- ✓ The Nursing Times

Key Terms LA-B

Self-respect- is valuing yourself

Person-centred approach- is respecting and empowering individuals

Dignity- is being respectful and treated with care.

Empathy - is being able to understand and share the feelings and views of another person.

Task:

You are a volunteer in two health and social care settings; you work Tuesday, Wednesday and Thursday at one setting and Monday and Saturday at the other setting.

You will need to-

- Describe how care values support users of services, using relevant examples
- Demonstrate the use of care values in selected health and social care contexts.
- > identify how care values are used to support users of services
- Demonstrate the use of care values in a selected health and social care context

Subject: 3D Design Year / Group: 11 Topic: Exam Prep

Term: 3-5

BIG QUESTIONS

How can the study of other artists help you find your own direction in the development of ideas?

Describe the process of development in artists work.

Compare similarities and differences in artists work.

Explain why primary sources are the richest form of research.

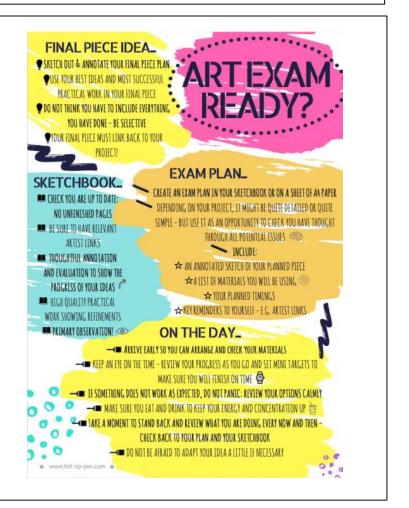
How can Secondary sources enrich the development of ideas?

List different ways of recording your observations of the subject matter.

Why should you plan a wide range of ideas before selecting a final one?

How can the refining process help you to fully realise intentions?

controlled Assessment The externally set assignment provides students with the opportunity to demonstrate, through an extended creative response, their ability to draw together different areas of knowledge, skill and/or understanding from initial engagement with their selected starting point through to their realisation of intentions in the 10 hours of supervised time.





Key Skills

RECORD

I will independently record...

- images and information appropriate to my chosen exam question
- using wet, dry and digital media
- examples of artists work appropriate to my chosen exam question
- information about artists, showing appreciation of how they use media and techniques to create meaningful work

DEVELOP

I will independently develop...

- my observation skills using a range of media, techniques and processes.
- artwork and ideas from primary sources
- my knowledge and understanding of artist styles and techniques
- my drawing and planning skills
- ideas in response to a given theme, linking to artists worl
- my higher order thinking skill

REFINE

I will independently...

- experiment making the most of media and techniques relevant to my intentions
- select ideas to adapt and improve e.g. adjustments to size, colour and composition.
- develop a piece of work from one media into another

EVALUATE

I will independently...

- analyse and reflect on the development of my own work, through annotation making connections to artists and suggesting ways I could I improve.
- evaluate artists using analytical writing skills and forming opinions.

PRESENT OUTCOMES

I will independently...

prepare a plan for a final piece to be completed during the 10-hour exam.





Homework Links

Develop preparatory work at home for a minimum of 2 hours per week...

- Research of artists including studies, info, evaluation
- Research of images (using mind map)
- Collect primary sources
- Drawings
- Annotation
- Ideas



Key Vocabulary

Research/Record/ Analyse/Experiment/ Develop/Design/ Technique/Process/Refine Realise/Evaluate

I will be expected to recall keywords learned in previous projects and use them in the appropriate context.

EVALUATING ARTISTS'/DESIGNERS' WORK

- 1. Describe the piece of art/design you are looking at
- 2. What is the name of the artist/designer or type of art/design?
- 3. What part of the world does the art/design come from?
- 4. Research and list 5 or more things about the artist/designer?
- 5. Describe the materials used to make the art/design
- 6. How has the artist/designer made the work?
- 7. What is being communicated through the art/design?
- 8. Which of these words best describes the mood of the picture/artefact? EMOTIONAL/POWERFUL/HUMEROUS/USEFUL/SERIOUS/BUSY/SLOW/PEACEFUL/WAR M/COLD/HAPPY/SAD/CALM/INTENSE/ SCARY can you think of any other words?
- 9. What do you like or dislike about the picture/artefact? Explain your reasons...

ANNOTATING YOUR OWN WORK

- In this piece of work I was trying to...
- The artist/designer that has influenced my work is...
- In my work I used the technique of...
- The source I have used is...
- The media I have used is...
- I like this piece because...
- My idea links to the brief because...
- I can improve this piece by...
- Next, I'm going to......

Annotate means to explain your own creations
Artist evaluation is when you write about the artist
Project evaluation is written about the whole project at the
end

END OF PROJECT EVALUATION

- 1. Describe each stage of the project from start to finish
- 2. What media/materials did you use to produce your work? E.g. Paint/Pencil/Clay etc.
- 3. Describe how you used different techniques in your project? E.g. painting/drawing/modelling with clay etc.
- 4. Which artist/designer/culture have you looked at?
- 5. Write down two or more similarities between your work and the artist/designers' work.
- 6. Which piece of your work best shows the Artist/Designers' style or the influence of another culture and why?
- 7. Describe some of your own ideas...
- 8. Have you used a primary or a secondary source?
- 9. Have you included the secondary source in your work? Where did you find it?
- 10. Imagine if your final piece was displayed in a public place.... Describe the effect looking at your work might have on people and society. E.g. relax them, make them feel sad, curious, happy, angry, thoughtful, surprised, confused, nostalgic etc. explain why e.g. because of your use of colour, images, content, arrangement? etc.
- 11. Explain any other influences on your work e.g. personalities (including your own), places, memories, objects, politics, events, activities, religion, fact, fiction etc.
- 12. Describe how your work links to the project brief?
- 13. Explain what you have done well...
- 14. Explain how you could improve...
- 15. What would you do differently, if you were to repeat any part of this project