

Year 13, Term 2: How can I support at this point in the Sixth Form Journey?





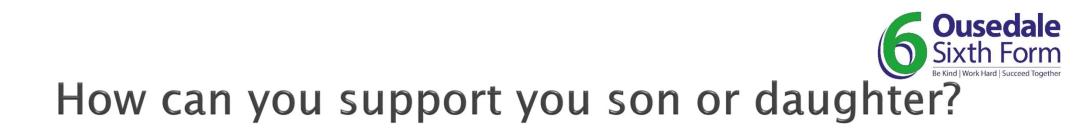
What have we done to support this Journey?



Strategies you may have heard you son/daughter using: Thinking Pathway Mentoring **Mnemonics** Note taking: Linear and Mind Mapping Purple Pen response Knowledge organisers Flash cards

- Strategies have been taught and staff have been supporting the gradual process
- Mentoring are themed on academic rigour and how to balance.
- External providers have provided further thinking strategies.





- Understand the hours of study required per week, per subject
- It is estimated that students should contribute one hour of study per hour taught
- 16 hours of study per week.
- Effectively 11 hours should be done at home/twilight sessions. (2hours 15 minutes a night).



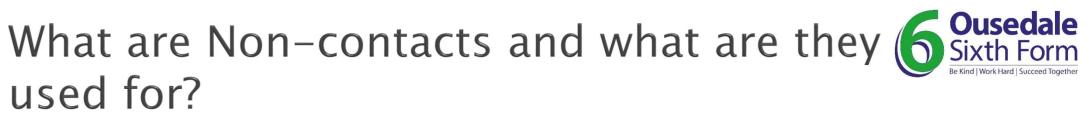
Allow for time out



- Encourage part-time jobs at weekends...but
- Encourage physical activity
- Please contact us if you have any issues or concerns
- Get your son/daughter to be SMART
 (SPECIFIC; MEASURED; ACHIEVEABLE GOALS; REALISITC;TIMING)







- > There has never been a mis-conception that this is a 'free'
- Non-Contacts are to study, complete or continue tasks set out of lessons
- > This might be NEA
- A set task
- A presentation
- > Essay response
- > Organising a folder to support the above.



Intervention Process



- At subject level
- If students are not on Track after a Progress review, then they will receive intervention from their teacher
- Session 6
- Additional support after a PR





THE6HABITS OF HIGHLY SUCCESSFUL STUDENTS

- 1. They get organised
- 2. Use their time effectively and prioritise their workload
- 3. Are motivated and know how to study independently
- 4. Take effective notes
- 5. Consolidate their knowledge
- 6. Understand how to revise

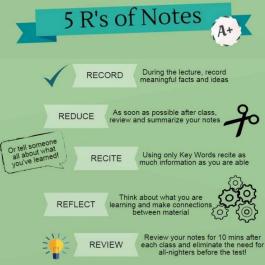


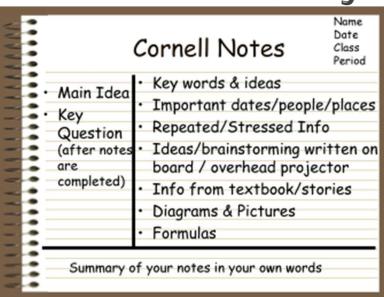


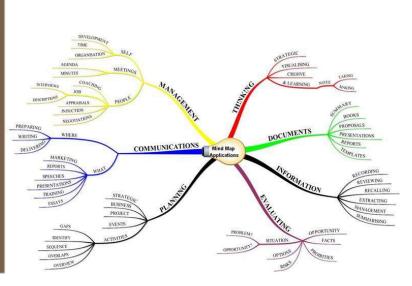


Revision to try in Social Science Subjects









How?	ADVANTAGES:	DISADVANTAGES	WHEN TO USE IT ?
Set up your paper in columns and label appropriate headings.	Helps pull out Most relevant information.	Can be a hard system to use during a lecture.	If you'll be tested on facts and relationships.
Headings could be categories covered in the lecture.	peduces amount of writing-	Not a lot of room to write.	If content is heavy & presented quickly.
Insert information words phrases, nain ideas, etc.) nto appropriate categony.	Provides easy review for momorizing facts and studying comparisons and relationswips.	Need to know the content that will be covered beforehand.	If you want to get an overview of the whole lecture on one sheet of paper.

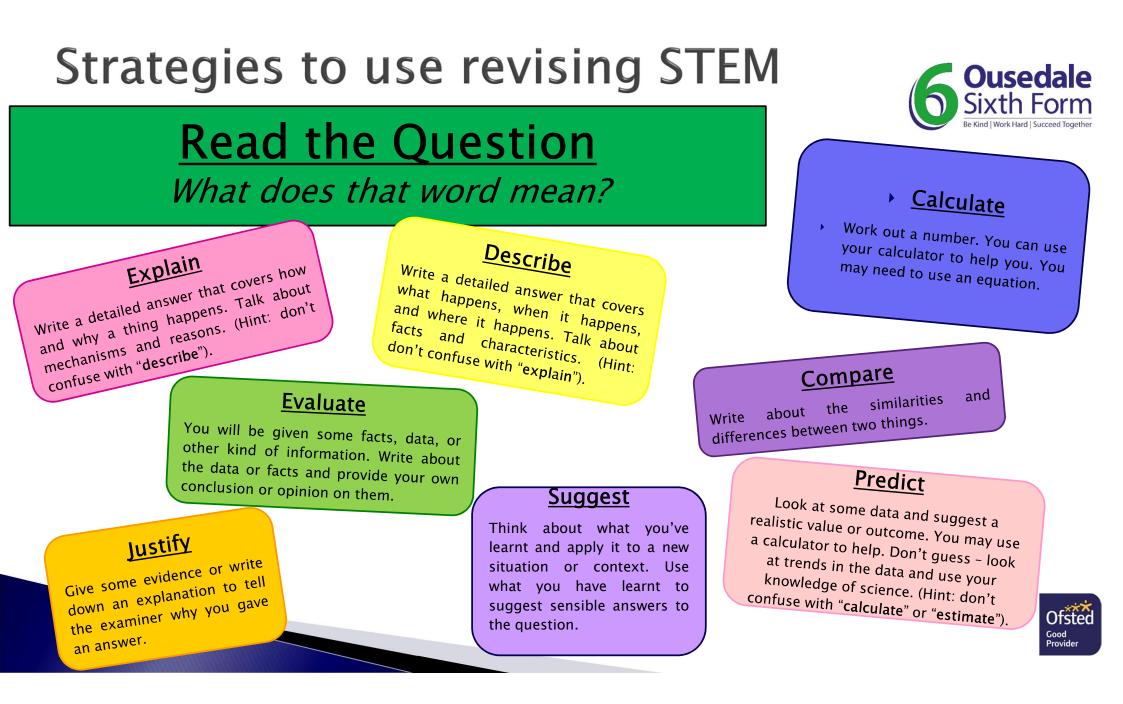




Strategies to use revising STEM

- Get your specification out!
 - Students were given these at the beginning of Year 12
- RAG every section:
 - Red: I need to start from the beginning
 - Amber: I am missing the key points
 - Green: I am confident and I want to complete as many exam questions as possible

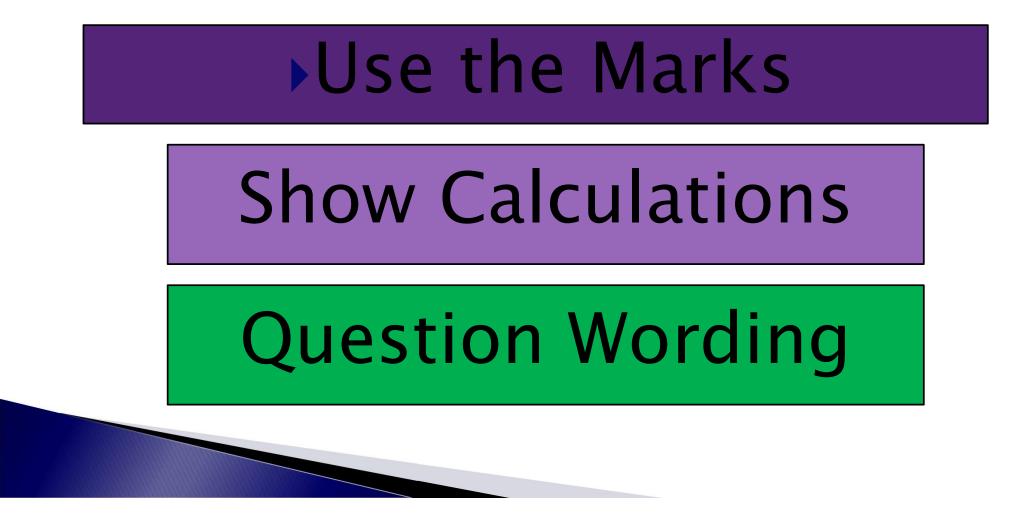






Provide

Strategies to use revising STEM





Strategies to use revising STEM

20:40 Rule

- > 20 mins of revision on a specific topic
 - Making a quick mindmap
 - Reading someone else's notes and highlight what you're forgetting
- 40 mins of exam questions
 - Stage 1: Use the notes to answer question
 - Stage 2: Answer questions without your notes
 - Stage 3: Answer, without notes and time yourself!





- When reading, ask WHAT, WHY, WHEN, HOW QUESTIONS about the material
- What am I reading? Is it appropriate to the task I am completing?
- Why am I reading this? What am I looking to find out?
- When am I reading? Is this is the best time? Is my concentration good enough?

Reading is the KEY to learning

- How am I reading? Am I scanning, or reading in detail?
- Am I understanding what I am reading? Is the information going in?
- Be selective when you are reading around a topic: are there any new publications?

 Rapid Reading





Professor John Dunlovsky's research

Published in Psychological Science in the Public Interest, a journal of the Association for Psychological Science (2013)

Only two of the 10 techniques examined turned out to be really effective :

1. Testing yourself

2. Spreading out your revision over time.

"Students who can test themselves or try to retrieve material from their memory are going to learn that material better in the long run".

"Start by reading the text book then make flash cards of the critical concepts and test yourself".

"A century of research has shown that repeated testing works."



Helping you memorise 5 simple steps



Step 1 – Highlight the key points

Step 2- Make a flash card/bullet point list/mind map

Step 3- Copy out flash card/bullet point list/mind map over and over about x10

Step 4- Test yourself- verbally or in writing- (if you cannot remember, go back to step 3 and repeat)

Step 5 – Practice exam question in timed conditions with no notes.

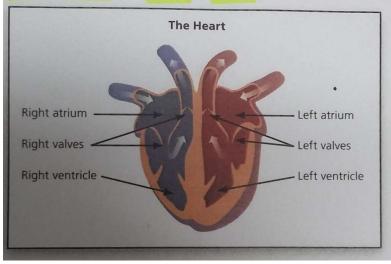


Step 1-Highlight key points on the revision guide



The Heart

The heart is a muscular organ in the circulatory system. It beats automatically, pumping blood around the body to provide cells with oxygen and dissolved food for **respiration**. The blood removes carbon dioxide and water as waste products.



Blood from the rest of the body enters the right atrium of the heart. It then moves into the right ventricle before being pumped to the lungs. When the oxygenated blood returns to the heart, it enters the left atrium. It then moves into the left ventricle before being pumped to the rest of the body. The heart is called a **double pump** because blood returns to it twice.

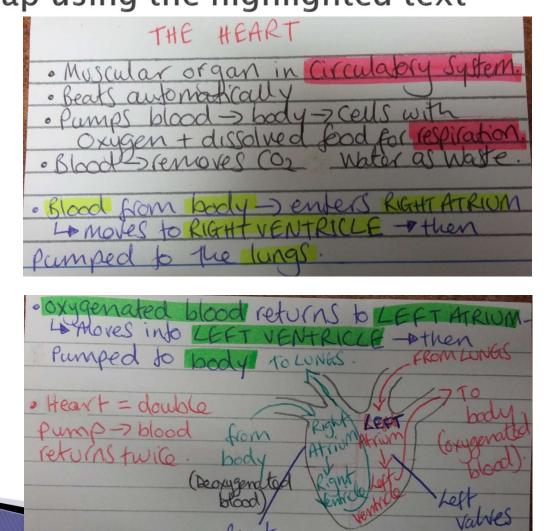
The heart itself is mainly made up of muscle cells. These cells also require oxygen and dissolved food, so the heart needs its own blood supply.

Don't highlight everything- just keywords and points

You are trying to condense the content



Step 2- Make a flash card/bullet point list/mind Ousedale map using the highlighted text



wel.

Use colours to help key concepts and points standout

These are students' neat notes that they keep and use to revisit and test themselves





Step 3- Copy out flash card/bullet point list/mind map over and over- x5

The heart later organ (02 + nater agner blood removed blood

Writing is better than simply reading when it comes to memorising.



Step 4- Test yourself- verbally or in writing- (if you cannot remember, go back and repeat to step 3)

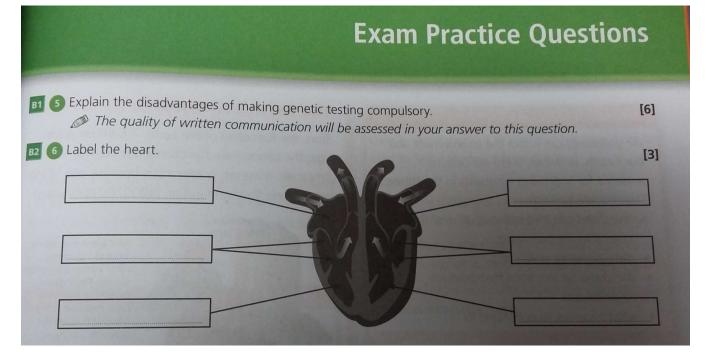




REPETITION is very important- REPEAT REPEAT REPEAT



Step 5 - Practice exam question in timed conditions with no notes



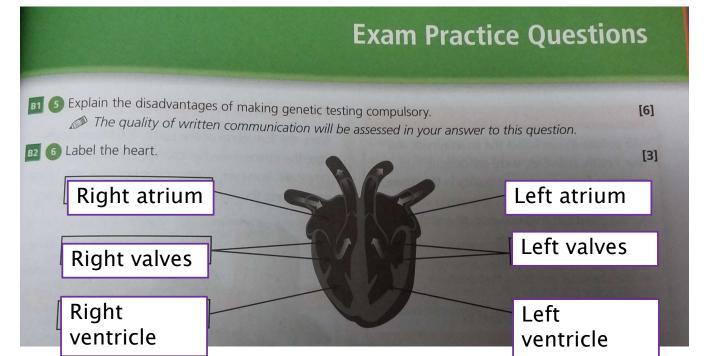
Revision and information learnt must be applied to the exam. Otherwise students will learn information but will no idea how this information actually helps them score marks in the examination.

Examiners want students to answer the exact question being asked of them.



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Step 5 – Practice exam question in timed conditions With no notes.



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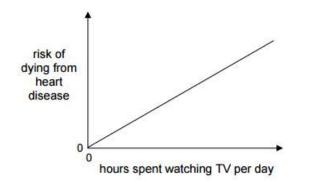
- 8
- 4 Toby sees this article in a newspaper.

Heart disease is one of the most common causes of death in the UK. Some scientists claim that there is a correlation between the amount of time spent watching TV

each day and the risk of dying from heart disease.

They concluded that watching TV increases the risk of dying from heart disease.

(a) Toby draws a sketch graph to represent the correlation described in the article.



Discuss whether Toby's graph correctly represents the correlation described in the article.





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Image: Serie Seri	Question Number				6	02	03	94	Q5	Q6	<u>a</u> 7	80	Total Marks	Total %	8	Q2	03	04	95	Q6	<u>0</u> 7	Total Marks	Total %		Total Marks	Total %	
Cohort Average - All Students Image: All	Торіс				Food tests / numeracy	Microscopy, prokaryotes, cells	Amino acids, protein structure, haemoglobin	NH	Heart, evaluate data	Aseptic technique	Enzymes / data handling	Extended answers, mRNA, translation, mutation			Photosynthesis	Respiration	s/Inheritance/F	cia	Eutrophication/Nitrogen Cycle	Genetics/Inheritance	Control of Heart Rate/Natural Selection						
Cohort Average - Filtered Hide this row before printing 4.7 2.6 5.5 4.3 4.0 2.9 9.8 33.8 49.0% 3.3 5.3 6.2 7.2 2.6 4.8 7.2 36.7 55.6% 70.5 52.3% Next Step Image: Serie of the serie o	Total Marks Available				8	5	10	9	8	7	7	15	69		8	10	8	10	5	10	15	66			135		
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Keh: Greeu - Stat Ked - Next Steb And Mark	Cohort Average - Filtered	Hide this	row before	printing	4.7	2.6	5.5		4.3	4.0	2.9	9.8	33.8	49.0%	3.3	5.3	6.2	7.2	2.6	4.8	7.2	36.7	55.6%		70.5	52.3%	
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			13D/Bi1																				· · · · · ·		91	67.4%	A



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20

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Applying our answers

Slow Fashion

Many clothing companies succeed by using a fast fashion' business model: selling seasonal, cheap, low-quality items that are often manufactured in low-cost countries such as Bangladesh. This practice is used by retailers promoting the latest designs. 1

As a senior buyer for a high street clothing relater; Claudia Bryant had responsibility for sourcing clothing and negotiating contracts with suppliers from many countries. She was successful in her work by securing low-cost deals.

On 24 April 2013, over 1,130 people were killed when the Rana Plaza factory complex On 24 April 2013, Over 1,130 people were killed when the kallas inazal factory complex collapsed in Dhaka, Bangladesh. 2,500 more were injured. The people crushed under those eight floors were working for familiar fashion brands in unsafe conditions.

Rana Fashion

In 2013 Claudia was shocked by the Rans Plaza disaster. She believed that it was the fault of 10 the fast fashion' business model – something she no longer wanted to be a part of.

She resigned from her job to set up her own online clothing retail business, centred on ethical tobjectores. The business (Rana Fashion) is a private limited company with Claudia owning 60% of the shares. The remaining shares are owned by a Bangladeshi charity, ensuring that at least 40% of the annual profits support charitable projects in Bangladesh. 15

The clothes are traditional designs that do not go out of fashion. All are made to last and fabrics are ethically sourced, se fair-factade cotton. They are manufactured by suppliers in Bangladesh - many with personal links to the Rana Plaza disaster. Each supplier is a small independent

Claudia is keen to trade ethically, in contrast with leading retailers, as shown below.

'Fast fashion' approach: delay payments to help their own cash flow Rana Fashion's approach: pay promptly to help the suppliers' cash flow teet projected buy only enough to meet projected demand as old inventory goes 'out of buy and store extra inventory - this allows capacity utilisation for suppliers fashion' new contracts each season – in search of have long term contracts with suppliers -allowing suppliers to plan for their future. lower priced deals.

Rana Fashion garments are sold at a high price. If customers spend over £100 they can pay over 10 months without any interest. Last year 25% of sales were made this way. Rana Eashion sells directly to consumers worldwide through e-commerce, removing the need for high steer trailers. The UK is its biggest market. However, Claudia is pleased that sales in the USA and Europe have recently shown steady growth.

No budget is allocated to promotion. Claudia relies on media coverage to promote her brand. No subget is allocated to promotion. Claudia relies on media coverage to promote ner prant. Sine has been interviewed by many newspapers, radio statows and online newspapers. Journalists have been reporting on ethical family. This has proved successful as the readers and audiences have views that are closely aligned with the business objectives.

Ofstee Good Provider

BM/Jun19/7131/2



Ocado venture with M&S

Marks & Spencer (M&S) started to sell its popular food range online for the first time in September 2020, by forming a venture (also known as a joint venture) with Ocado. Ocado is a solely online supermarket that has well-established distribution networks and market-leading advanced technology.

M&S funded its part of the £1.5bn venture by selling £600m of shares to existing shareholders and by cutting shareholder dividends by 40%.

M&S stated that it had always believed M&S branded food should be available online and combining with Ocado was a 'win-win' situation that would drive long-term growth of both businesses.

Following the announcement of the venture, Ocado's share price rose by 3%.

The launch of the venture followed over a year of hard work and required senior managers from both businesses to work together to make it happen.

- M Market
- O Objectives
- P Product
- **P** Performance
- **S** Stakeholders



Market

GROCERY INDUSTRY

Objectives

ORGANIC GROWTH – BEGIN SELLING ONLINE CASE STUDY REFERENCES 'LONG TERM GROWTH'

Product

LUXURY GOODS (YED: 'SUPERIOR') HOME DELIVERY (CONVENIENCE) VENTURE COST £1.5BN – SIGNIFICANT RISK

Performance

M&S FOOD RANGE IS 'POPULAR' OCADO'S TECHNOLOGY IS 'MARKET LEADING' OCADO'S SHARE PRICE ROSE BY 3%

Stakeholders

M&S SHAREHOLDERS HAD DIVIDENDS CUT BY 40% MANAGERS FROM BOTH BUSINESSES INVOLVED IN THE PLANNING



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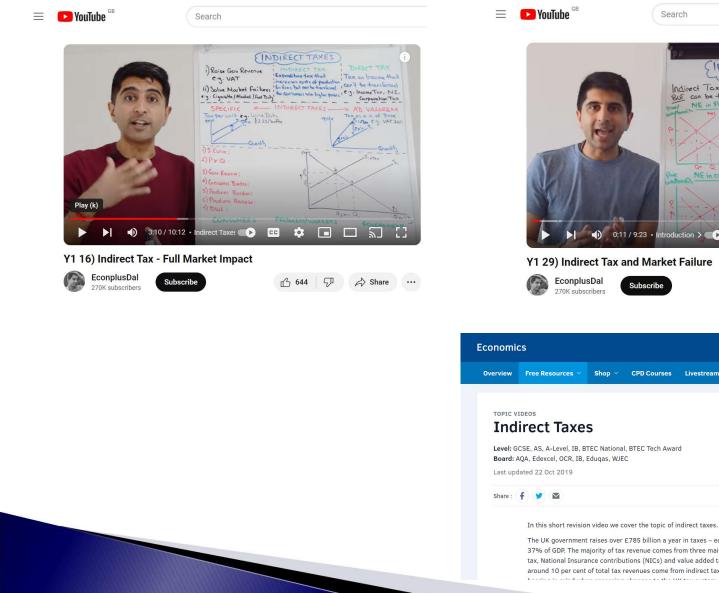
SECTION C	Be Kind Work Hard Succeed Tog
Answer ONE question from this section.	
Write your answer in the space provided.	Write your name here Surname Other names
You are advised to spend 30 minutes on this section.	Pearson Edexcel Level 3 GCE
In 2015 a report by Public Health England recommended the imposition of a 20% tax on the sale of soft drinks that contain high levels of sugar.	Economics A Advanced Paper 1: Markets and Business Behaviour
Evaluate the likely microeconomic effects of such a tax.	Tuesday 6 June 2017 – Afternoon Paper Reference Time: 2 hours 9ECO/01
(Total for Question 7 = 25 marks)	
OR 3 'Revenue maximisation is a more realistic business objective than profit maximisation	 Instructions Use black ink or ball-point pen. Fill in the boxes at the top of this page with your name, centre number and candidate number. There are three sections in this question paper. Answer all questions from Section A and Section B. Answer one question from Section C. Answer the questions in the spaces provided there may be more space than you need.
for many businesses.' To what extent do you agree with this statement? Refer to an industry of your choice in your answer.	 Information The total mark for this paper is 100. The marks for each question are shown in brackets use this as a guide as to how much time to spend on each question. Calculators may be used. Advice
(Total for Question 8 = 25 marks)	 Read each question carefully before you start to answer it. Check your answers if you have time at the end.

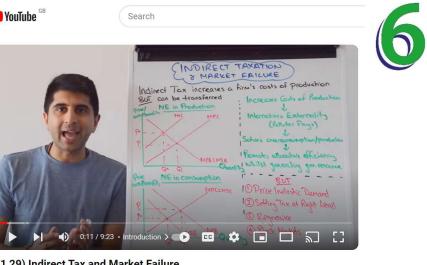


1.2.9	 a) Supply and demand analysis, elasticities, and:
Indirect taxes and subsidies	 the impact of indirect taxes on consumers, producers and government
	 the incidence of indirect taxes on consumers and producers
	 the impact of subsidies on consumers, producers and government
	 the area that represents the producer subsidy and consumer subsidy











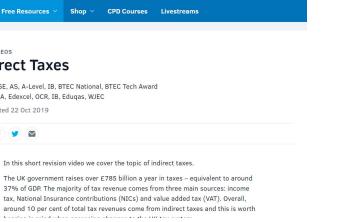
A Share ... <u>С 1.9</u>К 🖓



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Sixth Form

Be Kind | Work Hard | Succeed Together





Knowledg	e, application	and analysis
Level	Mark	Descriptor
	0	A completely inaccurate response.
Level 1	1-4	Displays isolated or imprecise knowledge and understanding of terms, concepts, theories and models. Use of generic or irrelevant information or examples. Descriptive approach which has no chains of reasoning or links between causes and consequences.
Level 2	5-8	Displays elements of knowledge and understanding of economic principles, concepts and theories. Applies economic ideas and relates them to economic problems in context, although does not focus on the broad elements of the question. A narrow response or superficial, two stage chains of reasoning only.
Level 3	9-12	Demonstrates accurate knowledge and understanding of the concepts, principles and models. Ability to apply economic concepts and relate them directly to the broad elements of the question with evidence integrated into the answer. Analysis is clear and coherent, although it may lack balance. Chains of reasoning are developed but the answer may lack balance.
Level 4	13-16	Demonstrates precise knowledge and understanding of the concepts, principles and models. Ability to link knowledge and understanding in context using appropriate examples. Analysis is relevant and focused with evidence fully and reliably integrated. Economic ideas are carefully selected and applied appropriately to economic issues and problems. The answer demonstrates logical and coherent chains of reasoning.

Evaluatio	n	
Level	Mark	Descriptor
	0	No evaluative comments.
Level 1	1-3	Identification of generic evaluative comments without supporting evidence/reference to context. No evidence of a logical chain of reasoning.
Level 2	4-6	Evidence of evaluation of alternative approaches which is unbalanced leading to unsubstantiated judgements. Evaluative comments with supporting evidence/reference to context and a partially-developed chain of reasoning.
Level 3	7–9	Evaluative comments supported by relevant reasoning and appropriate reference to context. Evaluation recognises different viewpoints and is critical of the evidence provided and/or the assumptions underlying the analysis enabling informed judgements to be made.

Knowledge 4, Application 4, Analysis 8

Definition of a tax/ identification of an ad valorem tax.

Economic effects include:

7

- Increase in price and a reduction in demand for soft drinks which contain sugar / increase in demand for healthy drinks.
- Reduction of consumer surplus and producer surplus/ profits (may be shown on diagram)
- · Tax acts to increase costs and may reduce profits.
- Increased investment in healthier drinks.
- Increase in tax revenue for government and impact on healthcare services and other services, for example dental care.
- Improvements in quality of healthcare among population fall in obesity, diabetes and heart disease. Reduced pressure on healthcare services.
- A diagram of an indirect tax may be awarded, depicting an increase in price, a decrease in quantity and the area of tax collected.
- A relevant externality diagram depicting a reduction in welfare loss.
- A relevant cost and revenue diagram depicting the impact of an expenditure tax on firms.
- Increase in life expectancy/ the quality of life/ productivity in the workforce.
- Impact on employment in the soft drinks industry/impact on employment in substitute product markets.
- Impact on income distribution / regressive tax

Evaluation 9

- Significance of price elasticity of demand in determining impact on price, quantity, employment and tax revenue.
- Consideration of the impact on substitutes/ application of cross elasticity of demand e.g. switch to healthier substitutes.
- Consideration of the incidence of tax on consumers and producers.
- Difficulty in imposing the tax different soft drinks products with different sugar content.
- Extent of hidden/informal market.
- Time factor long term implications for government funding of pensions and healthcare.
- Consideration of price elasticity of supply e.g. the ability of producers to switch to healthier drinks.



(25)





LCCOR

6 Ousedale Sixth Form Be Kind | Work Hard | Succeed Together

Indicate which question you are answering by marking a cross in the box 🗵. If you change your mind, put a line through the box 😹 and then indicate your new question with a cross ⊠. 1ensestije conflict Chosen question number: Question 7 **Question 8** \mathbf{X} foreign Black Write your answer here: Concept S, princip An millet tax TL. Thirt 20% Sist Sherts a danks DA

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lager proportion, Tanjing their revenue to fall. Desepte is Ousedale demand is price electric, consumes won't be backly appealed by fle tax. To consolidate the herel? Level ? Fueloute evoluction; Indastie derand enne Thourng For the government, they will revenue the revenue as shown by the diagram. This tax sevence and be organized and only used for socially beneficial product, which thend include

GCE Economics A 9EC0 01 45

society's Welfne. At well as this, the government will benefit from not having to spine as much on healthcome in the his Jutie. This is because soft dinks cause many illressed to KADA a cedantion in the question counce of them Will alue the amount of costal of illness like disbeter, Which decrease the amount the portunnent will have to spend on healthen shows we are about to evaluate However, the importion of our indirect top hand have unintended





in	vour	ansi	wers.
	J	uns	

1 Fuel duty is an excise tax imposed on the sale of petrol, included in the price paid by consumers, set at 58 pence per litre.

(Source: https://www.gov.uk/tax-on-shopping/fuel-duty)

(a) Draw a supply and demand diagram to show the incidence of a specific petrol tax on consumers and producers.

(4)

Please check the examination of Candidate surname		Other names
Pearson Edexcel Level 3 GCE	Centre Number	Candidate Number
Monday 18	May 2020	0
Morning (Time: 2 hours)	Paper Refe	erence 9EC0/01
Economics A Advanced Paper 1: Markets and	l Business Beha	wiour
You do not need any other n	naterials.	Total Ma

Instructions

- Use black ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- There are three sections in this question paper. Answer all questions from Section A and Section B. Answer one question from Section C.
- Answer the questions in the spaces provided

 there may be more space than you need.

Information

- The total mark for this paper is 100.
- The marks for each question are shown in brackets
- use this as a guide as to how much time to spend on each question.
- Calculators may be used.

Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

(b) The indirect tax on fuel is increased in a market in which the price elasticity of demand is -0.1. Which **one** of the following is the most likely effect on consumer and producer surplus?

(1)

- A Consumer surplus and producer surplus both decrease
- B Consumer surplus and producer surplus both increase
- C Consumer surplus decreases and producer surplus increases
- **D** Consumer surplus increases and producer surplus decreases

(Total for Question 1 = 5 marks)





Ofsted Good Provider

1 0 1 Explain five properties that make water important for organisms. [5 marks]
o It has a high latent heat of vaporition this near a
large amount of every is required to evaporate water in water
can be used for sweating as a homeostable unool of body
tempisture. When water enaperates, it uses heat energy and cost
the surgare of the stun.
Water has a high to specific heat capacity. A large amount
of energy is needed to change the temperature of worker. this
Theore it reists I acks as a bugger against changes in temperature
which is used for maintaining stable aquetic environments.
"Water is polar is has hydrogen beids between no lecules. This causes between water celession Andonnes to water can nove as a centinuous clumn during tonspiration in plants.
"Water is a universal solvent which discolves a large range
@ substances is water acts as a suitable tansport modium
eng in blad and tisme pluid. It Substances disrelve in water and
"htate alto a can then be transported around the body.
"Water has sugare tension due to by dogen bording
in it regists external serves. This means small inserts such
Is pard strater can walk on and live on the sugare of
woker.



7402/2, summer 2019

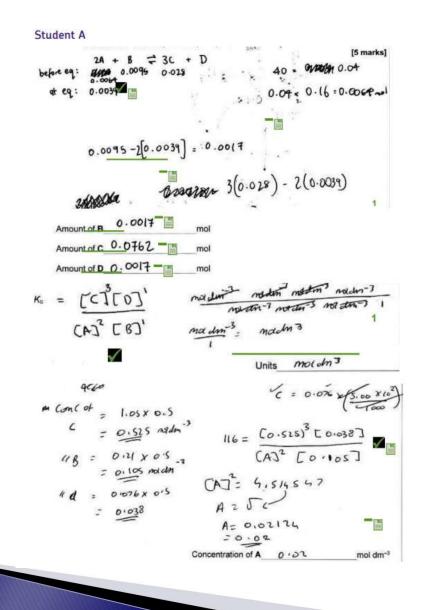


A population of fruit flies contained 64% grey-bodied flies. Use the Hardy–Weinberg equation to calculate the percentage of flies heterozygous for gene **G**.

P + 9 = 1 $P^{2} + 2P9 + 9^{2} = 1$ $P^{2} + 2P9 = 0.64$ $9^{2} = 0.64$ $9^{2} = 0.36$ 2P9 = 0.48 P = 0.4Answer = 460 48 %

The student correctly identified that the value of 64% relates to (p + 2pq) in the Hardy-Weinberg equation. The student then converted this percentage to a frequency to find the value of q, and then of p. As a result, the student correctly found the value of 2pq from the Hardy-Weinberg formula and converted this frequency back to a percentage.







Commentary

This answer has only scored the first mark for 0.0064 mol in the first 5 mark section. In the second section the expression is correct but the units are wrong. (If the expression used () brackets this would have been penalised.)

In the third section the student has incorrectly multiplied by the volume so loses M2. The M1 is scored since the student uses the incorrect figures that are calculated, substitutes them into the expression and rearranges correctly,(M1 is rearrangement) as the value of A² is correct from their figures. The answer should be to the appropriate number of significant figures and in this question that is 3sig figs as per data given. The student has only shown 1 sig fig.

1+1+1 = 3 marks





- I am comfortable when I have a case study
- Use the exam question as a starting point
- Use resources* to revisit the content
- I know what I need to know from the specification
- I know how to structure the questions and what assessment criteria I need to show and I have exemplars/guides
- I know about how else this might be assessed







A successful student will:



Exercise regularly

Have/maintain outside interests

Apply strategies which suit you

