



Cockshut Hill School
SUMMIT LEARNING TRUST

Year 11

Exam

Preparation

Activities

(EPA3 – Spring)

Name:

Form:

What are EPAs? Why must they be completed?

Exam Preparation Activities are designed for you to complete for EACH subject. They will help you check your knowledge, test your skills and identify areas you need to improve on before your exams. They will get you READY for your subject exams/assessments. The content will not be new but will help you revisit everything you have studied throughout the year. There will be numerous cycles and you must ensure you know when the deadlines are.

Year 11 EPA Calendar 2018-19	
EPA 3 starts	7 January 2019
EPA 3 ends	4-8 February 2019
PPE4	Two weeks: 11 February-1 March 2019
EPA 4 starts	4 March 2019
EPA 4 ends	6-9 May 2019
GCSE exams	May-June 2019

You MUST complete Exam Preparation Activities for every subject.

Complete every piece of work to the highest standard, using academic language in your answers and checking SPAG. Please be aware of when the teachers EXPECTS you to hand it in for EACH subject. Do not miss your DEADLINES. Complete the tasks on the subject-specific sheet and then tear off carefully, at the top left corner and hand in to your teacher. Double check your name and set is written on each sheet! You could use the rota below to help you complete every subject on time!

SPRING					
Week 1	SCIENCE		Week 4	RE/Option 1	
Week 2	ENGLISH		Week 5	Option 2/3	
Week 3	MATHS				

Write a definition of the key word

Create a question where the key word is the answer

Using full sentences and writing as if you were answering an exam question, explain the sporting situation below in greater detail

Write a list of other words that link in with this key word

Key term

Skill
Classification
(Pages 55-56)

Write three sentences, each one linking this key word to one of the other key words you have listed above

Think of a sporting situation where the key word applies

POPE – GCSE PE

Write a definition of the key word

Create a question where the key word is the answer

Using full sentences and writing as if you were answering an exam question, explain the sporting situation below in greater detail

Key term
Factors affecting participation (Pages 45-46)

Write a list of other words that link in with this key word

Write three sentences, each one linking this key word to one of the other key words you have listed above

Think of a sporting situation where the key word applies

COMPUTER SCIENCE YEAR 11EPA 3 - NETWORKING

If you need help go to: <http://cloud.cockshuthill.org.uk/epa/ict-and-computer-science/year-11-computer-science-gcse/communication-workbook>

1. Complete the table.

Type of Network	Description	Example
Wide Area Network (WAN)		
Local Area Network (LAN)		

2. Calculate the transmission times for the following scenarios:

Scenario	Answer (including working)
File size: 2 KB Speed: 5 Mbps	
File size: 3 KB Speed 1 Mbps	
File size: 10 KB Speed: 2 Mbps	
File size: 1 KB Speed: 4 Mbps	
File size: 8 KB Speed: 1 Gbps	
File size: 1 KB Speed: 10 Mbps	

3. Explain the role of a router (include the keywords data packet and IP address)

4. Describe the bus topology.

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5. Describe the advantages and disadvantages of the bus topology.

Advantages	Disadvantages

6. Describe the ring topology.

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7. Describe the advantages and disadvantages of the ring topology.

Advantages	Disadvantages

8. Describe the star topology.

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9. Describe the advantages and disadvantages of the star topology.

Advantages	Disadvantages

Y11 EPA3 - Spanish

- 1) You are doing some research for a project about life in Spain and you find this interview in a Spanish magazine.

-Háblenos de cuando usted era joven

- Me llamo Adolfo y nací a principios de la guerra civil, en los años treinta. Como siempre, los ricos seguían llevando una vida muy fácil, pero no fue así para nosotros. Había mucha pobreza y mas de una vez pasamos hambre.

-Cuéntenos como es su vida actual

-Pienso jubilarme dentro de nos pocos años, pero no vivo mal y mi vida es bastante tranquila, porque desde hace dos meses trabajo a tiempo parcial. Ya que tengo mas tiempo libre, mi intención es hacerme socio de una organización ecologista. Es un grupo que va todas las semanas al campo. Ayudaremos a limpiar el rio y a cuidar el bosque. Creo que lo pasaré muy bien.

Which stages of Adolfo's life do the following apply to. Write P for past, N for something that is happening now, and F for something that will happen in the future.

A	A quiet life	
B	A hard life	
C	Retirement	
D	Volunteering	

- 2) Lee este texto sobre las preocupaciones de unos jovenes y contesta a las preguntas en español

-Creo que el malgasto de energía es muy preocupante. Por eso, he lanzado una campaña medioambiental en mi colegio que se llama ¡Apágalo! Tiene el fin de animar a los jóvenes a apagar aparatos electrónicos. (Ana)

-Me preocupa mucho el paro juvenil hoy en día. En mi ciudad el nivel es 40%, increíble! Reo que los jóvenes necesitan mas formación profesional. (Eva)

- ¿De qué problema habla Ana?
 - ¿Qué es Apágalo?
 - ¿Qué deberían hacer los jóvenes?
 - ¿Cuál es la solución que sugiere?
- 3) A report from a Children's charity.

En Cuba se les prohíbe a los menores de 16 años trabajar, pero, según un artículo en la prensa francesa, muchos niños fabrican ropa y zapatos en China para enviar a tiendas en Europa.

- What is forbidden in Cuba?
- Where was the article printed?
- What did the article say?
- What happens with the items produced in China?

- 4) Completa el texto con palabras de la lista. Escribe la letra correcta en cada casilla.

3 (a) Which **one** of the following is an example of secondary market research?

Select **one** answer.

(1)

- A Customer survey
- B Focus group
- C Market report
- D Observation

Figure 1 shows the change in the revenue of a business over three months.

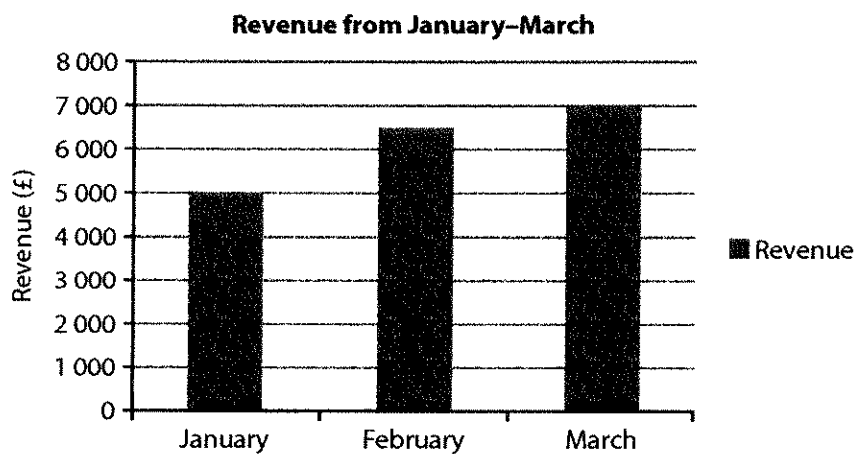


Figure 1

(b) Using the information in Figure 1, calculate the percentage increase in revenue between January and March. You are advised to show your workings.

(2)

..... %



(e) Discuss the benefit to a business of using e-commerce.

(6)

Handwriting practice lines consisting of 15 horizontal dotted lines.

(Total for Question 3 = 15 marks)

TOTAL FOR SECTION A = 35 MARKS

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



Year 11 RE EPA 3

What is the Ummah?	
What is a Humanist? Give on Humanist source of authority.	
What is extremism? Give an example of an Islamic extremist group.	
What is Speciesism?	
What is extremism? Give an example of a Christian extremist group.	
What do two types of Christians believe about Abortion?	
What do Christians believe about racial discrimination?	
What do Muslims believe about creation?	
What happens at a Christian funeral?	
What is Christian Aid?	
What do Muslims believe about the acquisition of wealth?	
What happens at a Muslim funeral?	

Health and social care EPA 3

Research the 7 care values below.

Type up a paragraph for each of the care values below. You must include:

- what that care value means
- how health and social care workers can show that care value at work everyday
- give examples of when that care value can be used e.g. when dressing a service user

Work must be typed and not handwritten. If you do not have access to a PC or laptop at home then you can handwrite your EPA.

Care values:

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

Year 11 EPA 3 MUSIC

World music section of your revision guide for support.

Complete the grid below:

	"Banana Boat Song Dayo" by Harry Belofonte	"Chocolate Fog" Andy Narall (First 2 mins)	"Doumdoumba" by Adama Drame	"Bhangra Nights" By Husan
Tempo				
Instrumentation				
Dynamics				
Structure				

Year 11 EPA – Geography – Three

Climate Change – United Kingdom

Your task is to research Climate Change and the impact it will have in the United Kingdom.

You will need to include:-

- An overview of how the UK climate has changed over time.
- What the positive impacts of climate change could be in the UK.
- What the negative impacts of climate change could be in the UK.
- Solutions and adaptations to climate change in the UK.

You can present this in any format that you would like, as long as it includes all of the information from the bullet points.

Year 11 DRAMA EPA 3

Willy Russell: Blood Brothers

How does Russell use the characters of Mickey and Eddie to explore ideas about nature vs nurture?

Write about:

- how Russell presents Mickey and Eddie.
- how the characters are affected by their environment.

[4 marks]

Section A

Willy Russell: Blood Brothers

How does Russell use motifs in the play?

Write about:

- How motifs are presented.
- How they motifs are linked to the characters.

[4 marks]

YEAR 11 EPA 3 - MATHS

1. (a) Simplify $m^3 \times m^6$

..... (1)

(b) Simplify $\frac{p^8}{p^2}$

..... (1)

(c) Simplify $(2x^3)^4$

..... (2)

(4 marks)

2. (a) Simplify $m^6 \times m^7$

(1)

.....

(b) Simplify x^0

(1)

.....

(c) Simplify $(16y^6)^2$

(2)

.....

(4 marks)

3. (a) Simplify $m^5 + m^3$

..... (1)

(b) Simplify $5x^4y^3 \times x^2y$

..... (2)

4. (a) Simplify $a^4 \times a^5$

..... (1)

(b) Simplify $\frac{45e^6f^3}{5ef^2}$

..... (2)

(c) Write down the value of 9:

..... (1)

(4 marks)

5. (a) Simplify $m^3 \times m^6$

..... (1)

(b) Simplify $y^3 + y^5$

..... (1)

(c) Simplify $(m^3)^5$

..... (2)

(4 marks)

6. Simplify fully

(a) $p^2 \times p^7$

..... (1)

(b) $\frac{3q^2 \times 2q^3}{q^3}$

..... (2)

(c) $(2xy^3)^5$

English EPA. YEAR 11 ROUND 3

Dinner with the Birlings: Choose a starter, a main course, a side and a dessert.

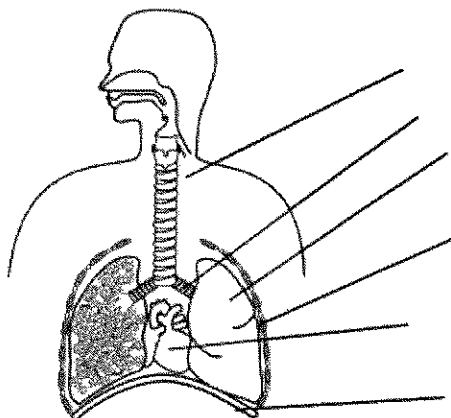
Starters	<p>Write a short practice essay: How does J. B. Priestley present a character of your choice.</p> <p>Aim for five paragraphs including introduction and conclusion.</p>	<p>Create a Facebook profile or Wikipedia page for one of the characters.</p>	<p>Create a poster for display in our classroom about the historical/social/cultural situation at the time the play was written (1945) and when it was set (1912.)</p>
Side dishes	<p>Imagine you are Inspector Goole or Mr Birling: summarise your feelings after each scene with a tweet of 140 characters or less.</p>	<p>Create a mind-map summarising the play. Use key terms, make it informative and eye catching.</p>	<p>Create a mind map for Inspector Goole including five well chosen quotations to illustrate his character. Explain what each quote literally means and any ideas that it gives you.</p>
Main courses	<p>Create a game or quiz for the class based on the play to help their revision. Make sure that you include: key quotes, language techniques and social/historical context.</p>	<p>Write an article exploring the question: Who is most to blame for the death of Eva Smith?</p>	<p>Create a leaflet on the historical context of "An Inspector Calls", including information on socialism and capitalism, J. B. Priestley and his political views.</p>
Desserts	<p>What happened next? Write an additional scene for the play predicting what will happen next. Make sure that it is based on the evidence that you have been presented with.</p>	<p>Create a diorama (3D representation) of what the setting for 'An Inspector Calls' looks like based on the stage directions.</p>	<p>Turn the plot of the play into a comic strip with important quotations from the play as captions.</p>

Year 11 EPA 3 Science

Biology

This worksheet is fully supported by a video tutorial on <https://youtu.be/QnsRz0Xhup8>

1. What is an organ system?
2. Name the parts of the digestive system?
3. What happens to enzymes at low temperatures?
4. What happens to enzymes at high temperatures?
5. What happens to enzymes outside their optimal pH?
6. What is the lock and key mechanism?
7. Where is amylase produced?
8. What does amylase do?
9. Where is lipase produced?
10. What does lipase do?
11. Where is protease produced?
12. What does protease do?
13. Where is bile produced?
14. What does bile do?
15. What does the heart do?
16. What do the lungs do?
17. Label the respiratory system



Year 11 EPA 3 Science

Chemistry

This worksheet is fully supported by a video tutorial;
<https://youtu.be/7Nrma6v0A8I>

1. Describe what happens when a metal reacts with oxygen.
2. List the order of the reactivity series.
3. How are unreactive metals found?
4. What is the formula of magnesium oxide?
5. What is the formula of calcium hydroxide?
6. What ion is responsible for acidity?
7. What ion is responsible for alkalinity?
8. Is pH1 acid, alkali or neutral?
9. Is pH7 acid, alkali or neutral?
10. Is pH14 acid, alkali or neutral?
11. Write down the neutralisation equation.
12. When do ionic compounds conduct electricity?
13. Why do ionic compounds need to be molten or dissolved to conduct?
14. What happens to positive ions during electrolysis?
15. What happens to negative ions during electrolysis?
16. If a metal chloride is being electrolysed what gas will be produced?
17. If metal sulfate is being electrolysed what gas will be produced?
18. How do you test for chlorine gas?
19. How do you test for hydrogen gas?
20. How do you test for oxygen gas?

Year 11 EPA 3 Science

Physics

This worksheet is fully supported by a video tutorial;

<https://youtu.be/AEFwEDC6DkQ>

1. Sketch and label a transverse wave.
2. Sketch and label a longitudinal wave.
3. Define amplitude.
4. Define wavelength.
5. What is equation linking time period and frequency?
6. What are the units for time period?
7. What are the units for frequency?
8. What is equation linking wave speed, frequency, and wavelength?
9. What are the units for wavelength?
10. What are the units for wave speed?
11. What is order of the electromagnetic waves?
12. What can radio-waves be used for?
13. What can microwaves be used for?
14. What can infrared be used for?
15. What can visible light be used for?
16. What can ultraviolet be used for?
17. What can gamma rays be used for?
18. What can x-rays be used for?
23. Which surfaces emit radiation?

