

Pre-Learning

Year: 10

Pre Learning

Subject: Drama

Year: 10

Answer the following exam questions.

- 1- Explain how an actor might use stage directions to communicate something to the audience.
- 2 - List 3 ways Mrs Johnstone might use proxemics and justify your reasons why
- 3 - As a director how would you show mood and atmosphere in a specific scene?
- 4 - How would you use set design to show the context of the play?

Pre Learning

Subject: SCIENCE

Year: 10

ALL SCIENCE GROUPS:

After Easter you will be studying HOMEOSTASIS, REACTIONS and CIRCUITS

So that you are prepared to make progress, research and complete the following tasks:

1. What is the meaning of homeostasis? Why is it important? Can you explain how your body controls blood pressure?
2. There are four types of acid reactions that you need to be comfortable with for this topic – research and complete the following word equations:

Metal + Acid \rightarrow Metal Salt + _____

Metal Oxide + Acid \rightarrow Metal Salt + _____

Metal Hydroxide + Acid \rightarrow _____ + _____

Metal Carbonate + Acid \rightarrow _____ + _____ + _____

3. Describe the difference between series and parallel circuits? Which one is best to use in Christmas tree lights and why?

Pre-Learning

Subject: Maths

Year 10:

In Maths you will be learning 10 different topics during Year 10. Like last year it will involve **algebra, number, data** and **shape**.

To make sure that you are as ready as you can be for Maths this half term, have a go at the tasks your teacher sets on HEGARTY MATHS as pre-learning.

Remember, you can always watch the short video which will help you with the task!

You will also receive **targeted home learning** from your class teachers during every topic.

Pre-Learning

KS4 Food

Year 10:

Find out what the following mean in relation to Protein, produce a short paragraph for each one:

1. Denaturation
2. Coagulation
3. How gluten is formed
4. How foams are formed

Add diagrams/images to help with the explanations.

Pre-Learning

Subject: History

You will be having a re-test on Living Under Nazi Rule at the end of this half term. Use these questions to support your revision!

Source A

A photograph showing SA and SS men enforcing the boycott of Jewish shops in April 1933

The notice on the shop says, 'Germans! Defend yourselves! Do not buy from Jews!'



What can Source A tell us about the growing persecution of Jews in Nazi Germany? Use the source and your own knowledge to support your answer. (7 marks)

'German workers benefited from Nazi rule.' How far do you agree with this view of Germany between 1933 and 1939? (18 marks)

'Hitler and the Nazis won the hearts and minds of young people in Germany.' How far do you agree with this view? (18 marks)

How useful are Interpretation B and Sources C and D for a historian studying the lives of women in Nazi Germany between 1933 and 1939? In your answer refer to the interpretation and the two sources as well as your own knowledge. (15 marks)

Interpretation B

From Life in Hitler's Germany, 1933-39 by Geoff Stewart, 2004

To attempt any overall assessment of the impact of Nazi policy on the lives of women is difficult. There were clearly winners and losers. Jewish women and those who were compulsorily sterilised were the biggest losers. Ambitious academics and lawyers were frustrated and denied promotion on no other grounds than anti-feminist prejudice. Many unmarried daughters on farms, or wives of farmers, found their workload increased heavily. But many German women saw the regime in a positive light. The increase in family allowances, jobs for unemployed husbands and even cake-making and maternity advice were welcomed by many.

Source C

A Nazi poster from 1935

It says: 'Germany grows through strong mothers and healthy children'



Source D

From a speech by Joseph Goebbels in Munich in March 1933

The first, best, and most suitable place for the woman is in the family, and her most glorious duty is to give children to her people and nation, children who can continue the line of generations and who guarantee the immortality of the nation. The woman is the teacher of the youth, and therefore the builder of the foundation of the future. If the family is the nation's source of strength, the woman is its core and centre. The best place for the woman to serve her people is in her marriage, in the family, in motherhood. This is her highest mission.

'The Reichstag Fire was the main reason Hitler was able to establish total power in Germany by August 1934.' How far do you agree with this view? (18 marks)

Pre Learning

Subject: Business Studies

Year 10:

Make a mind map about globalization, ethics and the environment.

Try and answer the following questions:

1. What is globalization?
2. What has caused globalization to happen?
3. How does globalization help businesses?
4. What are the potential disadvantages of globalization?
5. What is meant by business ethics?
6. Give examples of ethical businesses?
7. What are the advantages of being ethical?
8. What are the costs of being ethical?
9. What are pressure groups?
10. How will pressure groups encourage businesses to be ethical? Give examples



Pre-learning

Subject: Computer Science

Year: 10

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| Q1 | <p>A small business has three stand-alone computers, a printer and an internet connection in an office.</p> <p>(b) Describe, using a diagram, how the computers can be connected to each other using a bus topology, stating what hardware will be needed.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>..... [6]</p> |
| Q2 | <p>Add the following two 8-bit binary numbers and explain the result. You must show your working.</p> $\begin{array}{r} 1\ 0\ 0\ 1\ 0\ 1\ 1\ 1 \\ +\ 1\ 1\ 0\ 1\ 1\ 0\ 0\ 0 \\ \hline \hline \end{array}$ <p>.....</p> <p>..... [3]</p> |

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| Q5 | <p>A grocery shop uses a database with a DBMS to keep records of its stock.</p> <p>(a) Explain what is meant by a DBMS.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>..... [3]</p> |
| Q6 | <p>A rock band uses an internet website to advertise its music.</p> <p>(a) The website uses HTML.</p> <p>(i) Describe HTML.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>..... [2]</p> |

Pre Learning
Subject: DT

Year: 10

There are 3 main 'man made boards'.

Plywood, Chipboard and MDF.

Produce a research page for these materials that tells me how they are made, their properties, what they are used for and some advantages and disadvantages of using them.

Pre-Learning

Subject: Cam Nat (PE)

Year: 10

Next ½ term we will be revising for the exam in May. Over the next 4 weeks we will be revising in class

Week 1. L01 user groups and barriers and solutions

Week 2 L02 Sporting values and performance enhancing drugs

Week 3. L03 Hosting an event

Week 4 L04 Governing bodies of sport

Before each of these sessions make sure that you have made a mind map of each learning objective

Pre-Learning

Subject: Music

Year: 10

Choose a composer from below and create a timeline of important works and developments in their personal lives.

Beethoven

Mozart

Haydn

Pre-Learning

Subject: Geography, French & English

Pre-Learning tasks will be set by your class teacher
