

Pre-Learning

Year: 11

Pre-Learning

Subject: Geography

Year: 11

1.1 Using your own knowledge, suggest two ways that buildings can be made earthquake proof.

[4 marks]

1.2 Name **one** process of erosion that may affect cliffs.

[1 mark]

1.3 Explain the formation of a stack.

[3 marks]

1.4 Using an annotated diagram, explain the formation of a wave cut platform.

[5 marks]

Pre-Learning

Subject: Chemistry

Year: 11

This will allow you to reach a 1 on the HL grade, it is to be done in conjunction with weekly pre learning set in class

Your teacher will tell you the HL topic you will be covering next half term.

You must research this topic in detail and produce an extended piece of work in your own words.

This can be in the form of

- a learning map
- a fact-file
- the detailed 4W'S and H (a high quality piece of work will look at the What if.....also)
- an animation
- a detailed model
- a talk- show

Be creative!!

A minimum of 2 sources must be used and the work must be referenced (your teacher will show you how to do this)

Pre-Learning

Subject: Biology

Year: 11

This will allow you to reach a 1 on the HL grade, it is to be done in conjunction with weekly pre learning set in class

Your teacher will tell you the HL topic you will be covering next half term.

You must research this topic in detail and produce an extended piece of work in your own words.

This can be in the form of

- a learning map
- a fact-file
- the detailed 4W'S and H (a high quality piece of work will look at the What if.....also)
- an animation
- a detailed model
- a talk- show

Be creative!!

A minimum of 2 sources must be used and the work must be referenced (your teacher will show you how to do this)

Pre-Learning
Subject: Business Studies

Year: 10/11

Task 1 Why is Uber having to consider its stakeholders ?

<https://www.tutor2u.net/business/blog/change-in-strategic-focus-for-uber>

Task 2 Why is Wonga struggling ? Clue – consider its major stakeholder – the government !

<https://www.tutor2u.net/business/blog/is-wonga-on-the-brink-of-collapse>

Pre-Learning

Subject: Computer Science

“Computers are icredibly fast, accurate and stupid;
humans are incredibly slow, inaccurate and brilliant;
together they are powerful beyond imagination.”

Albert Einstein

Year: 11

Task 1 – Describe the binary search algorithm in pseudocode.

Task 2 – Define what a Network is.

Task 3 – Give 5 advantages and 5 disadvantages of networks.

Task 4 – Network hardware – Give five examples of hardware used in creating a network infrastructure.

Task 5 – Network Topologies – There are three topologies that you need to be aware of – Bus, Ring and Star. Explain (with the use of diagrams) how each one is set up including the advantages and disadvantages of each.

Pre-Learning

Subject: Art

Year: 11

Artist Links, Artist Links, Artist Links!

Artist links are of high importance and refer to 25% of your overall marks in your GCSE. They bend and shape the way our work develops over the year and are often the missing link we need to create exciting, high quality and different work. Over the half term you are expected to research and create reference sheets relating to an 'Artist Link' that suits, bends or shapes your work. The sheets should be seen as a piece of art work in itself, and display the quality and ability you have as an artist, along with signs of understanding the artists' work; through trying the techniques used and maybe writing a little about it (annotation).

Expected number of 'Artist links' per half term - 3

Pre-Learning

Subject: KS4 Food

Year: 11

Research the following about food labelling and marketing influences:

- Why food labels are used and how they influence food choice
- What the law says about food labelling
- How to interpret (read and understand) nutrition on a food label
- How food marketing influences food choice

Produce information for each one in the form of an information leaflet.

Add images and make your work suitable for a student in year 8 to understand.

Pre-Learning

Subject: French

Year: 11

Education post-16

Complete the reading and writing exercises around 'Education Post-16' to help you get ahead for next half term and accelerate your progress.

L'année prochaine, je vais étudier le français, l'anglais, les maths et l'histoire, et après ça, je voudrais étudier le français ou l'anglais à l'université. Ma matière préférée est l'EPS, mais malheureusement on ne peut pas l'étudier au lycée ici. Je pense que le système scolaire en Angleterre est différent du système en France. Si on va au lycée en France, il faut faire le baccalauréat, ou le 'bac'. On doit étudier le français, une langue étrangère (comme l'anglais ou l'allemand par exemple), les maths, les sciences, la philosophie et l'histoire-géo. Cependant, en Angleterre, si on déteste la physique, par exemple, on ne doit pas la faire après avoir fini les 'GCSEs'. Pour moi, c'est mieux ici, car j'ai hâte d'arrêter d'étudier les sciences ! Cependant, il y a aussi les similarités entre les deux systèmes. Par exemple, le bac et les A Levels sont tous les deux nécessaires si on veut étudier à l'université. Aussi, les deux sont très difficiles !

1. Find the following in the text. Write the French and English for each item.

a) 10 school subjects

b) 3 ways of saying *you must/it's necessary to*

c) 5 adjectives

2. Quelles sont les similarités et les différences entre les systèmes scolaires en France et en Angleterre ?

a) Les similarités (2 choses):

b) Les différences (1 chose):

3. Now translate the text into English.

Top tip! Split the paragraphs into smaller chunks and translate them one sentence at a time.

L'année prochaine, je vais étudier	
le français, l'anglais, les maths et l'histoire,	
et après ça, je voudrais étudier	
le français ou l'anglais à l'université.	
Ma matière préférée est l'EPS,	
mais malheureusement	
on ne peut pas l'étudier au lycée ici.	
Je pense que le système scolaire en Angleterre	
est différent du système en France.	
Si on va au lycée en France,	
il faut faire le baccalauréat ou le 'bac'.	
On doit étudier le français,	
une langue étrangère	
(comme l'anglais ou l'allemand par exemple),	
les maths, les sciences, la philosophie et l'histoire-géo.	
Cependant, en Angleterre,	
si on déteste la physique, par exemple,	

on ne doit pas la faire	
après avoir fini les 'GCSEs'.	
Pour moi, c'est mieux ici,	
car j'ai hâte d'arrêter d'étudier les sciences !	
Cependant, il y a aussi les similarités	
entre les deux systèmes.	
Par exemple, le bac et les A Levels	
sont tous les deux nécessaires	
si on veut étudier à l'université.	
Aussi, les deux sont très difficiles !	

Now use the text as a WAGOLL to write a response to the writing question below.

Vous décrivez vos projets pour l'année prochaine pour votre blog. Décrivez :

- ce que vous allez étudier pour le bac
- les sujets que vous n'aimez pas
- ce que vous allez faire après le lycée
- vos opinions au sujet de l'université

Ecrivez environ 90 mots en français. Répondez à chaque aspect de la question.

Pre-Learning

Subject: KS4 DT

Year: 10 & 11

Visit a shop/ manufacturer/ target customer that relates directly to your NEA project. Interview them to find out what specific wants and needs you need to consider in the design of your product. Take photos of any similar products they may have already. Write up the interview and summarise your findings.

Pre-Learning

Subject: Religious Studies

Year: 11

- Write an article about whether you think animals should have the same rights as humans. Include key issues such as animals for food, clothing, hunting etc.
- Create a Podcast interview about the issue of either abortion or euthanasia. Ask a religious person and an atheist their opinions on either one of these topics and record the interview. It should include at least 10 questions.
- Make a Venn diagram about how the world was created comparing and contrasting religious views against scientific views. Include at least 5 points for each side and in the middle place the similarities.
- Review the YouTube video <https://www.youtube.com/watch?v=4bb2etuVzI&safe=true> online about the afterlife according to Christianity. What does it tell you about the afterlife and how credible you think this opinion is and why.
- Design an information page about Charles Darwin and his theory of evolution. Explain how it argues against Christian creationism and include a comparison table about their core views.

Pre-Learning

Subject: GCSE PE

Year: PE

Using one of your sports that you will be assessed on as part of your final practical assessment:

- Give a definition, examples (pictures & text) of when Sportsmanship, Gamesmanship and Deviance occurs in your sport
- You should use one side of A4 to explain each one

Pre-Learning

Subject: Drama

Year: 11

Read one of the play choices we have for you Presenting and Performing exam and spider diagram a variety of ideas that you could use in your version of the text.

Think about style and genre.

Pre-Learning

Subject: Science

Year: 11

This will allow you to reach a 1 on the HL grade, it is to be done in conjunction with weekly pre learning set in class

Your teacher will tell you the HL topic you will be covering next half term.

You must research this topic in detail and produce an extended piece of work in your own words.

This can be in the form of

- a learning map
- a fact-file
- the detailed 4W'S and H (a high quality piece of work will look at the What if.....also)
- an animation
- a detailed model
- a talk- show

Be creative!!

A minimum of 2 sources must be used and the work must be referenced (your teacher will show you how to do this)

Pre-Learning

Subject: Physics

Year: 11

This will allow you to reach a 1 on the HL grade, it is to be done in conjunction with weekly pre learning set in class

Your teacher will tell you the HL topic you will be covering next half term.

You must research this topic in detail and produce an extended piece of work in your own words.

This can be in the form of

- a learning map
- a fact-file
- the detailed 4W'S and H (a high quality piece of work will look at the What if.....also)
- an animation
- a detailed model
- a talk- show

Be creative!!

A minimum of 2 sources must be used and the work must be referenced (your teacher will show you how to do this)