Elective Home Learning
Physics Year 11

In the next half term you will be studying a range of topics including astrophysics and nuclear physics – to help you prepare for these topics you should access information on them from the BBC bitesize website.

Topics you should study include:

Space - https://www.bbc.co.uk/education/topics/zt2xsbk

Atoms and radiation - https://www.bbc.co.uk/education/topics/zjkdmp3

For each topic you study make a set of notes – these should include labelled diagrams, bullet points of key ideas and definitions of keywords.

Elective Home Learning
English KS4

Year 11:

To access the higher marks on your literature exams you will need to demonstrate a good understanding of how the form and structure affects the reading and meaning of a text/poem.

- Go to the link below and locate the '2 minutes on structure and form videos' for each of the fifteen Power and Conflict poems.
  https://www.youtube.com/playlist?list=PLqGFsWf-P-cAO64lBHZTFwTz2X0DD_Cxk&safe=true
- You will need to make your own revision notes. For each poem identify 2/3 key features of its form and structure and explain how they affect the meaning of the poem.
- Extend your learning by selecting a quote from each poem that is relevant to the structure of the poem.
- Bring your completed notes to your teacher by February 5th 2018.

Elective Home Learning
DT KS4

Year 11:

-Chose an iconic product and explain why it has stood the test of time.

-Design another product that is in the same style as another iconic product.#

-Produce a model of your product.

Elective Home Learning
Drama KS4

Year 11:

1) Explain how the lighting design contributed to the mood and atmosphere and assess the effectiveness of the techniques used at a particular moment.
2) Explain how one performer used their acting skills to create a convincing character in the live production of Hair Spray and assess the success of their performance.
3) Explain and describe how two actors on stage worked together to entertain the audience at one particular moment and the effectiveness.

Elective Home Learning Computing Year 11

Year 11:

Task 1 - Here are some methods of automated data entry:

Bar Code, OCR, OMR, RFID, Smart Cards.

For each method, identify a situation where it is used.

Task 2 – Describe the binary search algorithm in pseudocode.

Task 3 – Define what a Network is.

Task 4– Give 5 advantages and 5 disadvantages of networks.

Task 5 – Network hardware – Give five examples of hardware used in creating a network infrastructure.

Elective Home Learning Chemistry

Year 11:

Next half term you will be practicing past paper questions and full exams.

In preparation for this please go onto r drive on the VLE and download a past paper from the old syllabus.

Attempt as many of the questions as you can – if in doubt speak to your teacher about whether the question is still relevant.

Back this up with production of more revision materials for your file.

Also use Youtube tutorials, the revision guide and bbc bitesize to research and make notes on topics from last year.

Include diagrams and important reactions/equations.

You can present your work however you want – information sheets, a poster or revision materials to help you understand the application of the ideas in class.

Bring your completed notes to your teacher by February 5th 2018.

Elective Home Learning Business Studies KS4

Year 11:

Next term (after February), we will moving onto recruitment and production. It is really important that you revise over your unit 1 books.

Expected

Create a mindmap on the methods of recruitment. You should include what is meant by induction training and why training is beneficial for a business. You should also explain the difference between on the job and off the job training.

Embedded

Draw a table and explain the key differences between job, batch and flow production. Give examples of businesses that are most likely to use each method of production.

Exceptional

Expand on your table in the embedded task to explain the benefits and disadvantages of each method using a BLT. You should also explain what is meant by the division of labour and specialization and why it is beneficial for a business.

Elective Home Learning
Art KS4

Year 11:

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. Throughout your exams 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' for the exam preparation work –4

Spring 1: Fieldwork

Task:. Imagine you wanted to conduct research into urban environments and how they change from the CBD to the suburbs. Write a plan of the different primary and secondary techniques you could use, aim to use 4 in each section.

Spring 2: Rivers

Grade 3-5: Draw a labelled long profile of a river. (4 marks)

Grade 6-7: For each course of the river draw an annotated cross section and annotate it to describe how a river changed along it's course. (6 marks)

Grade 8-9: As above, but ensure your annotations explain how river processes influence the characteristics and landforms found in each section (8 marks)

Summer 1: Economic World

Grade 3-5: Create a table with two headings 'social' and 'economic', underneath describe the different measures of development.

Grade 6-7: Explain why the human development index (HDI) is a successful measure of development (6 marks)

Grade 8-9: Assess the reliability of different measures of development; refer to at least 4 in your answer. (9 marks)

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Targeted Home Learning - Year 11:The Vikings CONTEXT

What was society like for the Vikings in Scandinavia?

Why were the Volga Vikings different?

Why were the Vikings settlers able to expand between c750 and 1050?

Viking relations with Constantinople and the Byzantine Empire:

Viking life in Jorvik: