



Dream. Reach. Achieve.

Year 9 Home Learning Summary

'Check in, Catch Up, Prepare for September'

All work outlined in the table below has been previously set on Google Classrooms, unless otherwise stated. Completion or re-visiting of this previously set work would be greatly beneficial to your son or daughter before they return to school in September. An extension task has been included for pupils who are up to date with their home learning.

GCSE ENGLISH LANGUAGE	
Topic/Tasks/Activities to complete	<p>Introductory powerpoints linked to a range of reading skills and question types available on Google Classroom. Tasks include comprehension, inference and extended writing challenges.</p> <p>Literacy Planet tasks set each week will support development of key literacy skills needed at appropriate levels.</p> <p>Tasks are updated every Monday on www.literacyplanet.com</p>
Resources & Contacts	<p>Additional support available at https://www.bbc.co.uk/bitesize/examspecs/ztjmv4j</p> <p>Literacy Planet login details available via email bourhills6@hwbcymru.net</p>
Extension Task:	<p>Proofreading, Editing and Stimulus material tasks are available at https://hwb.gov.wales/repository</p>
GCSE ENGLISH LITERATURE	
Topic/Tasks/Activities to complete	<p>Read and watch Romeo and Juliet. Powerpoints and documents available on Google Classroom provide structured tasks focused on characters and themes.</p> <p>Poetry work also available for students to revise key skills based on performance poetry.</p>
Resources & Contacts	<p>Revision material available on https://www.bbc.co.uk/bitesize/topics/zt2nfrd</p>

	<p>The RSC offer a range of material including clips https://www.rsc.org.uk/shakespeare-learning-zone/romeo-and-juliet</p> <p>Full version of play available until mid August - https://www.bbc.co.uk/programmes/p089zgy5</p>
Extension Task:	Create your own revision guides for the main characters and themes in the play - conflict, childhood, family, loyalty.
GCSE MATHEMATICS	
Topic/Tasks/Activities to complete	Complete independent tasks on Maths Watch by clicking on the Video Tab
Resources & Contacts	<p>Guidance for independent work is posted on Google Classroom and the school website in the Mathematics Curriculum Area.</p> <p>Maths Watch https://vle.mathswatch.co.uk/vle Email: Faculty Leader for Mathematics - Mrs S Hale hales34@hwbcymru.net</p>
Extension Task:	Work on independent tasks above your target grade.
GCSE NUMERACY	
Topic/Tasks/Activities to complete	<p>Complete Numeracy Past Papers</p> <p>Watch video tutorials and complete Exam questions on the Mathematics GWE website.</p>
Resources & Contacts	<p>Numeracy papers are on the school website in the Mathematics curriculum area.</p> <p>Mathematics GWE website http://maths.cymru/ Email: Faculty Leader for Mathematics - Mrs S Hale hales34@hwbcymru.net</p>
Extension Task:	Work on independent tasks above your target grade
GCSE SCIENCE (All Groups)	
Topic/Tasks/Activities to complete	<p><u>Biology: The Human Digestive System</u></p> <p>What is the digestive system & how does it work?</p> <p>How do we absorb nutrients?</p> <p>What are the nutrients used for?</p> <p>How can we test for nutrients?</p>

How can we compare how much energy is in food?

Chemistry: Atomic Structure and the Periodic Table

Describe the structure of an atom and calculate the number of sub-atomic particles within any given element.

Describe where and how electrons are arranged within atoms.

Define an isotope.

Explain the difference between elements and compounds.

List and describe the properties of different groups within the periodic Table.

Physics - Generating Electricity

The advantages and disadvantages of renewable energy technologies (e.g. hydroelectric, wind power, wave power, tidal power, waste, crops, solar and wood) for generating electricity on a national scale.

The advantages and disadvantages of non-renewable energy technologies (fossil fuels and nuclear) for generating electricity.

The processes involved in generating electricity in a fuel based power station.

Sankey diagrams to show energy transfers; energy efficiency in terms of input energy and energy usefully transferred in a range of contexts including electrical power generation and transmission:

$$\% \text{ efficiency} = \frac{\text{energy [or power] usefully transferred}}{\text{total energy [or power] supplied}} \times 100$$

The need for the National Grid as an electricity distribution system including monitoring power use and responding to changing demand.

Advantages and disadvantages of using different voltages of electricity at different points in the National Grid.

	<p>The use of step-up and step-down transformers used in the transmission of electricity from the power station to the user in qualitative terms.</p> <p>Efficiency, reliability, carbon footprint and output to compare different types of power stations in the UK including those fuelled by fossil fuels, nuclear fuel and renewable sources of energy.</p>
Resources & Contacts	<p>Google Classroom has PowerPoints, clips, parts of text books, revision sheets and links to revision activities on different sites.</p> <p>http://www.tanio.cymru/ has revision materials written for the WJEC courses</p>
Extension Task:	<p>A folder of past paper questions is on Google Classroom, as well as other revision resources and links.</p> <p>Students may access the WJEC Biology, Chemistry and Physics courses on Seneca and work through the activities at their own pace.</p>