

Brecon High School  
Year 13 Blended Learning  
Half Term 1

| Pre-study/<br>Preview Activities                   | Duration                  | Post-study/<br>Consolidation Activities            | Duration              |
|--|---------------------------|--|-----------------------|
| At least two tasks per half term for each subject. | Up to 10 minutes per task | At least two tasks per half term for each subject. | Up to 1 hour per task |

**Blended Learning** is a style of education in which students learn via electronic and online media as well as traditional face-to-face teaching. Learners can, in part, control the time, pace, and place of their **learning**.



Combining international research, learning from collaborative partnerships with organisations such as Impact Wales, as well as a range of internal review and feedback from parents and teaching staff, Brecon High School has developed a Blended Learning Policy in response to the Covid-19 pandemic and will use this as an opportunity to:

- Explore meaningful and interesting ways to deliver consistently good pedagogy using a range of strategies and technologies
- Focus upon the concept of creating pupils that are ‘Learning Fit’, being able to develop resilience in order to adjust to new learning scenarios at short notice and apply their skills to these changeable situations
- Ensure that pupils come to school prepared to learn by completing pre-learning tasks and then solidify this learning through consolidatory activities
- Provide on-line tutoring support to all pupils to ensure that the link between home and school remains consistently strong
- Ensure that pupils efforts and the quality of their work is rewarded via the use of Class Charts and that parents/carers are kept informed about pupil progress as often as possible

Blended Learning (pre-study and post-study tasks) will be our **alternative** to **traditional homework**, regardless of how soon our world returns to normality.

Please submit your work and direct any questions about the work to your class teacher via Class Charts.

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| Year 13 – Chemistry - Half Term 1    |   |                         |
|--------------------------------------|---|-------------------------|
| Pre-study/Preview activities:        |   | Tick when complete<br>✓ |
| Activity                             | <p>Work out the oxidation numbers for the <b>bold</b> elements in the compounds and perform the calculation.<br/>There is 1 mark for each correct oxidation number you have deduced.<br/>Note: You are calculating the oxidation number of the element, not its overall contribution to the compound<br/>eg, <math>\text{CaCl}_2</math> you would give the answer for Cl as -1, not as ...Cl<sub>2</sub> (-2).<br/>The worksheet contains the full task</p>  <p><b>Preliminary task</b><br/>chemistry Year 13 HT</p> |                         |
| Post-study/Consolidation activities: |   | Tick when complete<br>✓ |
| Activity                             | <p><b>TOPIC 13 – ELECTROCHEMISTRY</b><br/><b>ASSESSED HOMEWORK</b><br/>Answer all questions<br/>Max 80 marks<br/>Worksheet attached</p>  <p><b>Consolidation Task</b><br/>year 13 HT 1.docx.rtf</p>  |                         |
| Resources                            | All resources and worksheets uploaded to ClassCharts  |                         |

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|---------|--|--|
| Contact | Email <a href="mailto:npeese@brecon-hs.powys.sch.uk">npeese@brecon-hs.powys.sch.uk</a> |  |
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### Year 13 Geography - Half Term 1

|                               |   |                         |
|-------------------------------|---|-------------------------|
| Pre-study/Preview activities: |   | Tick when complete<br>✓ |
| Activity                      | All pre-tasks will be available on TEAMS via Esgol for A2 Geography |                         |

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| Post-study/Consolidation activities: |   | Tick when complete<br>✓ |
| Activity                             | All consolidation tasks will be available on TEAMS via Esgol for A2 Geography |                         |

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| Resources | All resources and worksheets uploaded to TEAMS   |  |
| Contact   | Email - AoLE Lead for Humanities - Mrs Rebecca Carpenter<br><a href="mailto:rcarpenter@brecon-hs.powys.sch.uk">rcarpenter@brecon-hs.powys.sch.uk</a> |  |

### Year 13 English Literature - Half Term 1

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| Pre-study/Preview activities: |   | Tick when complete<br>✓ |
| Activity                      | Students research metaphysical poetry and make notes for posterity. |                         |

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| Post-study/Consolidation activities: |  | Tick when complete<br>✓ |
| Activity                             | Students create a timeline of key events in John Donne's life. |                         |

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| Resources | All resources and worksheets uploaded to ClassCharts   |  |
| Contact   | Email <a href="mailto:agriffith@brecon-hs.powys.sch.uk">agriffith@brecon-hs.powys.sch.uk</a> |  |

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### Year 13 - History

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| Pre-study/Preview activities: |   | Tick when complete<br>✓ |
| Activity                      | Refresh your knowledge on The Weimar and its challenges |                         |

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| Post-study/Consolidation activities: |  | Tick when complete<br>✓ |
| Activity                             | Read the Content Guidance chapter. Make bullet points of all the various historical interpretations regarding the key issues from this period. |                         |

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| Resources | All resources and worksheets uploaded to ClassCharts                                       |  |
| Contact   | Email – <a href="mailto:jbryant@brecon-hs.powys.sch.uk">jbryant@brecon-hs.powys.sch.uk</a> |  |

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| <b>Year 13 – Physics – Half Term 1</b> |   |                         |
| Pre-study/Preview activities:          |   | Tick when complete<br>✓ |
| Activity                               | <p>Task 1: Find out who Johannes Kepler was and why his work was so important. Your notes should include information on his most famous work, including his laws of planetary motion. What equations that you have learnt from previous topics might be useful to you when dealing with Kepler’s laws?</p> <p>Task 2: Research resonance and give some examples of where it can be observed in everyday life.</p> |                         |

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| Post-study/Consolidation activities: |  | Tick when complete<br>✓ |
| Activity                             | Task 1: Complete the extended writing task on the comparison of Electrical and Gravitational fields. |                         |

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|  | Task 2: Use the data collected from the practical work on SHM (pendulum) in order to complete the practical assessment sheet and associated questions. |  |
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| Resources | All resources and worksheets uploaded to ClassCharts                                   |  |
| Contact   | Email <a href="mailto:npeese@brecon-hs.powys.sch.uk">npeese@brecon-hs.powys.sch.uk</a> |  |

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| <b>Year 13 – Product Design Half Term 1</b> |  |                         |
| Pre-study/Preview activities:               |  | Tick when complete<br>✓ |
| Activity                                    | Check that you can access your Year 12 files in 'One Drive' remotely. Also check that you can access 'TinkerCAD' in a remote location outside of school. This is Web based, so you will need an internet connection and your log on details that we set up in class. |                         |

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| Post-study/Consolidation activities: |  | Tick when complete<br>✓ |
| Activity                             | Compile an electronic document that could be printed to A3 size to include screenshots of CAD work that can <b>either</b> be used as a 'testing design strategies' page with evaluation <b>or</b> as a 'presentation page' for extended ideas that links back to your original folio.<br><br>Upload this to your one drive area and share with your teacher by the Friday 18 <sup>th</sup> September |                         |

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| Resources | All resources and worksheets uploaded to ClassCharts   |  |
| Contact   | Email - AoLE Lead for Science and Technology - Mrs Nerys Pease<br><a href="mailto:npease@brecon-hs.powys.sch.uk">npease@brecon-hs.powys.sch.uk</a> |  |

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| <b>Year 13 - Mathematics</b>  |  |                         |
| Pre-study/Preview activities: |  | Tick when complete<br>✓ |

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| Activity | <p>Task 1: A pre-study task consisting of a WJEC question on second derivative will be set on ClassCharts. Please attach answers on ClassCharts when complete.</p> <p>Task 2: A pre-study task consisting of a WJEC question on implicit and parametric differentiation will be set on ClassCharts. Please attach answers on ClassCharts when complete.</p> |  |
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| Post-study/Consolidation activities: |  | Tick when complete<br>✓ |
| Activity                             | <p>Task 1: A post-study task consisting of WJEC questions on differentiation will be set on ClassCharts. Please attach answers on ClassCharts when complete.</p> <p>Task 2: A DIRT task consisting of questions that the pupil needs further practice on will be set on ClassCharts. Please attach answers on ClassCharts when complete.</p> |                         |

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|-----------|--|--|
| Resources | All resources and worksheets uploaded to ClassCharts                                     |  |
| Contact   | Email – <a href="mailto:ssoper@brecon-hs.powys.sch.uk">ssoper@brecon-hs.powys.sch.uk</a> |  |