



| Subject                                                                                                                                                                                                                                                                                          | Year                                                                                                                                                      | Term                                                                                                                                                                                                                                                                                                                                                 |
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| Design and Technology                                                                                                                                                                                                                                                                            | 10                                                                                                                                                        | 2                                                                                                                                                                                                                                                                                                                                                    |
| Topic                                                                                                                                                                                                                                                                                            |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                      |
| Mock NEA and Theory                                                                                                                                                                                                                                                                              |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                      |
| Content (Intent)                                                                                                                                                                                                                                                                                 |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                      |
| Prior Learning (Topic) Year 10 D&T Mock NEA and Unit 1 & 2                                                                                                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                      |
| <p>Students will design and make a speaker as a mock NEA in preparation for their final NEA</p> <p>Students will cover two units of the theory work in preparation for their final exam.</p> <ul style="list-style-type: none"> <li>Material principles</li> <li>Technical principles</li> </ul> |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                      |
| Future Learning (Topic) Unit 5, 6 and 7 Theory and the start of the final NEA                                                                                                                                                                                                                    |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                      |
| What Knowledge and Skills will be taught (Implementation)                                                                                                                                                                                                                                        |                                                                                                                                                           | How will your understanding be assessed & recorded (Impact)                                                                                                                                                                                                                                                                                          |
| <p>As part of the mock NEA, the first half term will focus on producing a final design and making the product</p> <p>In preparation for the exam the first half term they will be covering materials and their properties</p>                                                                    |                                                                                                                                                           | <p>Students will be given a copy of the GCSE assessment criteria and at the end of each section awarded a mark and written feedback. They must then act on this feedback to improve their overall grade (1-9)</p> <p>At the end of each theory unit is a test. If a grade 4 is not achieved students will be asked to re-sit it at a later date.</p> |
| <p>The second half term, the Mock NEA will focus on making the product.</p> <p>The second half term they will be covering Technical principles in their Theory lessons.</p>                                                                                                                      |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                      |
| How can parents help at home?                                                                                                                                                                                                                                                                    |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                      |
| <p>You can support your child by discussing the project with them and making sure they meet their deadlines. You can also support by discussing the unit tests with them and monitoring how much revision they are doing for the tests.</p>                                                      |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                      |
| Helpful further reading/discussion (including Reading and Vocabulary Lists)                                                                                                                                                                                                                      |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                      |
| <p><b>Reading</b></p> <ul style="list-style-type: none"> <li>My revision notes <b>ISBN-10: 1510432329</b></li> </ul> <p>GCSE Pod Cast</p> <p><a href="http://www.technologystudent.com">www.technologystudent.com</a></p>                                                                        | <p><b>Vocabulary Lists</b></p> <p>Papers</p> <p>Boards</p> <p>Microns</p> <p>Compliant</p> <p>Soft Woods</p> <p>Hard woods</p> <p>Manufactured boards</p> | <p>Ferrous metals</p> <p>Non-ferrous metals</p> <p>Alloys</p> <p>Thermo plastics</p> <p>Thermo setting plastics</p> <p>Synthetic fibres</p> <p>Natural fibres</p> <p>Regenerated fibres</p>                                                                                                                                                          |