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| **Subject** | **Head of Department** |
| Design and Technology | Miss Radford |

**Half Term 1 Plan: Year 11 (2019)**

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| **Week Beginning** | **What important things are happening in Year 11 this week?** | **What knowledge will you be going over this week?** | **What exam questions are being practised this week?** | **If applicable, what topic will be revised in your study lesson?** | **What homework will be set this week to support exam/coursework preparation?** |
| **W/C 2 Sep** | Year 11 Information Evening (Wed 4 Sep) | **NEA contextual challenge**  Students this term will be working on their NEA, producing a prototype and written report for one of three given clients. See bottom of page for more detail. | Exam questions will be used as homework while the NEA is being completed in lessons.  **See homework column** | N/A | The six R’s  Ecological issues in design and manufacture  Carbon footprint |
| **W/C 9 Sep** |  | **NEA contextual challenge**  Generating design ideas   * 10 initial sketches which show a variety of techniques such as exploded view, isometric and 3D. * CAD designs * Annotated designs * Discuss how each design meets the specification |  |  | The six R’s  Ecological issues in design and manufacture  Carbon footprint |
| **W/C 16 Sep** |  | **NEA contextual challenge**  Generating design ideas |  |  | The six R’s  Ecological issues in design and manufacture  Carbon footprint |
| **W/C 23 Sep** |  | **NEA contextual challenge**  Generating design ideas |  |  | Fair Trade |
| **W/C 30 Sep** |  | **NEA contextual challenge**  **Deadline:** generating design ideas. |  |  | Materials and components- wood   |  | | --- | | http://www.technologystudent.com/joints/joindex.htm | |
| **W/C 7 Oct** | Year 11 Assessment Window (En, Ma and Sc in the Hall) | **NEA contextual challenge**  Developing design ideas.   * Detailed designs with client feedback * A wide range of modelling techniques * CAD designs * A summary of each design * Detailed manufacturing specification |  |  | Materials and components- metals   |  | | --- | | http://www.technologystudent.com/joints/joindex.htm | |
| **W/C 14 Oct** |  | **NEA contextual challenge**  Developing design ideas |  |  | Materials and components- plastics   |  | | --- | | http://www.technologystudent.com/joints/joindex.htm | |
| **W/C 21 Oct** |  | **NEA contextual challenge**  Developing design ideas |  |  | Materials and components- paper and card   |  | | --- | | http://www.technologystudent.com/despro\_flsh/cardpap1.html |  |  | | --- | | http://www.designandtech.com/graphics/ | |

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| **What important dates are happening in the department this half term? Exams, coursework, etc.** | **What useful revision links should pupils, parents and tutors be aware of?** |
| **Until February half term students in Design and Technology will be completing their NEA contextual challenge which will make up 50% of their final GCSE grade.**  **Students are to produce a final prototype and a 20 page written or electronic design portfolio.**  **The brief that has been chosen for this assessment piece is:**  **Providing a safe and comfortable home** | [**https://www.bbc.com/bitesize/subjects/zvg4d2p**](https://www.bbc.com/bitesize/subjects/zvg4d2p)  **www.technologystudent.com** |