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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 manufactureCarbon 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 manufactureCarbon footprint |
| **W/C 16 Sep**  |  | **NEA contextual challenge**Generating design ideas |  |  | The six R’s Ecological issues in design and manufactureCarbon 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/  |

 |

|  |  |
| --- | --- |
| **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** |