

## EPCHS Technology Department: Year 11 Programme of Study

### *Eduqas 3D Design*

| <b>Year/Term</b>           | <b>Unit of work</b>                   | <b>Intent</b>   | <b>Skills</b>   |
|----------------------------|---------------------------------------|---|---|
| <b>Autumn<br/>Term one</b> | <b>Initial<br/>Assessment</b>         | <p>Students will be working on their initial assessment.</p> <p>Following a given design brief the students will start with research of their chosen topic.</p> <p>Completion of work will be undertaken on a given template on PowerPoint.</p> <ul style="list-style-type: none"> <li>• Initial research of the topic chosen.</li> <li>• Creation of initial design ideas – these will be used for experimentation.</li> <li>• Planning of experimentation will be addressed – selection of materials, shapes, sizes, techniques.</li> </ul>   | <p>Independent work</p> <p>Time management</p> <p>Organisation</p> <p>Planning</p> <p>Researching</p> <p>Designing</p> <p>Experimenting</p> |
| <b>Autumn<br/>Term two</b> | <b>Experimentation<br/>and Making</b> | <p>Students will start their experimenting with materials, techniques, shapes, sizes.</p> <ul style="list-style-type: none"> <li>• Experimentation will take place over several weeks.</li> <li>• Practical skills will be increased.</li> <li>• Working with materials and techniques to assess their designs.</li> <li>• Critical analysis of the experimentation by student, peers, and teacher.</li> </ul> <p>Following the experimental stage the students will then take into consideration what they have achieved and engage in further research in order to create their final design.</p> <ul style="list-style-type: none"> <li>• Specific sketches that are detailed – including measurements, materials to be used, shapes, equipment to be selected that will best fit, colours, and vision of how you want it to look.</li> </ul> <p>Making of the final design.</p> | <p>Independent work</p> <p>Time management</p> <p>Organisation</p> <p>Planning</p> <p>Researching</p> <p>Designing</p> <p>Experimenting</p> |

|                        |                                     |   |   |
|------------------------|-------------------------------------|---|---|
|                        |                                     | <ul style="list-style-type: none"> <li>• Making will be independent but under the guidance of the teacher.</li> <li>• Advice will be given throughout to ensure the best materials are selected.</li> <li>• Any challenges will need to be addressed.</li> </ul>  |   |
| <b>Spring Term one</b> | <b>Eduqas Controlled Assessment</b> | <p>Students will have their final design idea and following this they will then need to complete a manufacturing storyboard.</p> <ul style="list-style-type: none"> <li>• Storyboard will be detailed and cover the start to finish of their product</li> <li>• Consideration of any challenges that they came up against.</li> <li>• Photographic evidence of the product being crafted and assembled.</li> </ul> <p>Students will have to evaluate their outcome.</p> <ul style="list-style-type: none"> <li>• Detailed evaluation including the comments of themselves, peers, and teachers.</li> <li>• SWOT analysis of the product.</li> </ul> <p><b>Controlled Assessment will be introduced to the students.</b></p> <p>Research, experimentation will be initially carried out. The controlled assessment will take the format of the above assessment.</p> | <p>Researching</p> <p>Making</p> <p>Refining</p> <p>Listening</p> <p>Planning</p> <p>Writing</p> <p>Evaluation of ideas</p> |
| <b>Spring Term two</b> | <b>Eduqas Controlled Assessment</b> | <p>Making of the designed product will take place over two days – the students will have 10 hours to produce their final practical piece. The 10 hours will be under controlled conditions and will be their external examination.</p> <p>Following the 10 hours the students will then work on the completion of their coursework.</p>   | Making  |
| <b>Summer Term one</b> | <b>Eduqas Controlled Assessment</b> | <p>Students will work on the completion of their coursework ready for their deadline which will be three weeks following Easter.</p>  | Evaluation  |
| <b>Summer Term two</b> |                                     |   |   |

