| **Design & Technology GCSE** | |
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| **Course Overview** | |
| Component 1 involves students exploring Design & Technology in the 21st Century alongside investigating design from the past. Students will look into New and Emerging Technologies, Energy production, Electronic systems as well as researching into a range of products in wood, metal and acrylic, paper, textiles and electronics. Students will use hand equipment as well as developing skills in CAD/CAM.  The final exam will be a mix of short answer, structured and extended writing questions assessing candidates' knowledge and understanding of: technology, design and make, analysis and evaluation of design decisions and wider issues in design and technology.  Component 2 is the student’s final Design & Make task that takes approximately 35 hours. All the practical skills developed across KS3 and year 10 will enable the students to select the most appropriate product for production, based on a contextual challenge set by the exam board. | |
| **Assessment** | |
| Component 1 - 50% of the Product Design GCSE. 2 hour exam. | Component 2 – 50% of the Product Design GCSE. 35 hour Design & Make project. |
| **Awarding Body** | |
| Eduqas | |
| **Independent Learning Expectations** | |
| As with all practical subjects Design & Technology students will be expected to attend after school sessions to extend and give depth to their practical skills from metal casting to accessing the CAD/CAM equipment to enhance their design and make skills further. | |
| **Possible Careers in the Subject** | |
| Engineering Architecture  Carpentry Product Development & Research  Product Design Jewellery Design  Product Manufacturing Manufacturing Management  Automotive/Aeronautical Design Product Testing and Quality Assurance | |
| **Subject Leader** | |
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