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| Design and Technology GCSE | | | |
| Exam Board | Edexcel / Pearson | Course Code | 1DT0 |
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| Outline of course | Students undertake a series of practical and theory tasks in order to prepare them for the written exam and their controlled assessment.  The subject content is in three sections as follows:  Years 9 and 10 will focus on developing practical skills using a wide range of media including: -  Timber – Metal – Plastic – Electronics – Smart materials  Students are expected to work independently using a wide range of tools and machines, including: -   * Standard workshop hand and power tools * Laser cutter * 3D Printing   Students will develop a knowledge of design concepts including: -   * Sustainability * Iterative design * New and emerging materials * Orthographic and isometric drawing   Year 11 will focus on two outcomes:   * Completion of a controlled assessment design and make task * Consolidation of knowledge in preparation for the summative exam. | | |
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| Method(s) of Assessment | One written exam which is two hours long and is worth 50% of the students’ final grade. The exam is in two sections:  Section A – Core knowledge within Design Technology across a range of material  Section B – Timber based questions  Students will also complete a controlled assessment worth 50% of their final grade. This is an extended project where students research, design, make and evaluate a project suitable for a given scenario. | | |
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| Choose this subject if.. | If you have a passion for designing products and enjoy modelling, refining and creating products you have researched and designed. | | |
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| Possible careers/ future pathways | Fashion Designer  Engineering  Product Designer  CAD/CAM | | |