**Countdown Plan Year 13 – 2022:**

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| **Subject:** | **A Level Design and Technology (Product Design)** |
| **Examination adaptations for this year:** | **Component 1: Design and Technology in 21st Century**  **Written Examination: 3 hours , Thursday 9th June AM session.**  **50% of qualification**   * [**Eduqas Advance Information Statement**](https://www.eduqas.co.uk/umbraco/surface/blobstorage/download?nodeId=39566)   All of specification content could be assessed through low tariff and synoptic questions.  Advance information is NOT provided for questions assessing the use of mathematical skills.  Eduqas have provided the following specification content as particular focus areas for preparation:  **Unit 2.2.1 Designing and Innovation**  Principles of Designing  Quantitative and Qualitative Testing  **Unit 2.2.2 Materials and Components**  Materials, Components and their potential application  **Unit 2.2.3 Processes**  Computer Aided Manufacture (CAM)  **Unit 2.2.6 Human Responsibility**  Service to the Customer  **Unit 2.2.7 Public Interaction**  Innovation in the Market Place  Students should refer to the amplification of each topic area within the specification for amplification notes on expected content knowledge. This is summarised in “Key Focus Area amplification” document given to students.   * [Key Focus Area Amplification for students](https://coundoncourt.sharepoint.com/:p:/s/technology-team/EbTqM0P3LFJGt3ICVwHu1W8BgIirUaHRwaLG-lN-A2_fRw?e=a7YzmR)   **Component 2 : Design and Make Project**  **Non-examined assessment (NEA): approx. 80 hours**  **50% of qualification**  No advance information however Eduqas will accept where necessary:  • mock-ups and/or clear/detailed intentions of prototypes to address the ‘manufacturing a prototype’ section of the NEA assessment criteria  • Demonstration of using machinery/tools/processes.  Students should submit an A2 design folder, sketch book and pre-production prototype for assessment on Wednesday 2nd March 2022. |

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| **Lesson Countdown** | | |
| **Week beginning:** | **Lesson 1: Wed AM**  **Miss Abberley** | **Lesson 2: Fri PM**  **Miss Hill** |
| 28/02/22 | **NEA SUBMISSION DEADLINE**  **END OF LESSON** | 2.2.2 Polymer Materials |
| 07/03/22 | 2.2.3 Metal Processes| CAM | 2.2.1 Principles of Designing;  2.2.1 Feasibility Studies |
| 14/03/22 | **MOCK EXAM** 3 hours  NEA feedback and DIRT | Mock Exam feedback and review |
| 21/03/22 | NEA DIRT | 2.2.6 Sustainability  Product Lifecycles |
| 28/03/22 | **NEA SUBMISSION FINAL DEADLINE START OF LESSON**  2.2.2 Timber Materials  2.2.3 Timber Processes | 2.2.6 Circular economy |
| 04/04/22 | 2.2.2 Smart and Composite Materials | 2.2.6 Ethical values in Product Design |
| 11/04/22 | EASTER HOLIDAY | |
| 18/04/22 |
| 25/04/22 | 2.2.3 Polymer Processes | 2.2.7 Innovation in the Market |
| 02/05/22 | 2.2.2 Metal Materials | 2.2.6 Service to the customer |
| 09/05/22 | 2.2.5 Product Analysis  IP, Standards. | 2.2.4 Industrial and Commercial Practice; production systems |
| 16/05/22 | 2.2.5 Systems | 2.2.1 Principles of Designing |
| 23/5/22 | Exam Skills Practice | Exam Skills practice |
| 30/5/22 | HALF TERM HOLIDAY | |
| 06/6/22 | Key Term Recall  Exam Skills Practice | n/a  Written exam Thursday 9th June. |