

July 2018

Dear Students, Parents and Carers

### **Year 10 Product Design GCSE Summer Task August 2018**

It is important that we are ready to hit the ground running with our Non-Examined Assessment (NEA) in September. To achieve this, students will need to do some research work over the summer so that they come back with some idea of how they will approach their NEA.

The work is broken down into simple weekly tasks. The idea is that students do this task throughout the holiday and not last minute at the end of the holiday. It is important that students complete the tasks, as they will form the foundation of their NEA that corresponds to 50% of the overall GCSE grade.

In September, we will be looking at a submission of 6 pages including a title page with your chosen contextual challenge written on the front as a title. None of the tasks need to be more than one page A4 or one PowerPoint slide. I recommend that the work be completed in PowerPoint as this is how the NEA will be submitted to the examination board.

#### **Work will be due in the first lesson of the first week back.**

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| <b>Week 1</b><br>Title page                    | Carefully choose one of the following contextual challenges:- <ul style="list-style-type: none"><li>• Addressing the needs of people with disabilities;</li><li>• Supporting developing countries;</li><li>• Encouraging a healthy lifestyle.</li></ul> The context you choose will be the base for your Non-Examined Assessment.  |
| <b>Week 2</b><br>Initial research              | After identifying the key words in your chosen context, develop a spider diagram based on the possible research approaches. Your spider diagram needs at least 10 different branches from the initial context. Produce a research page that explores three or more of the most feasible spider diagram branches. Explain why you think these approaches are the most feasible. |
| <b>Week 3</b><br>Existing products             | Research and analyse existing products that might inform, complete, can be further developed in your approaches. Explain why you picked these products and add pictures and links to these so we can reference them in lessons.  |
| <b>Week 4</b><br>Choosing a client and/or user | Identify a possible user or client for the products chosen.  |
| <b>Week 5</b><br>Design brief                  | Write a design brief based on the concept you might develop.   |
| <b>Week 6</b><br>First concepts                | Produce a sketch page of at least 6 initial concepts (pencil sketches will do) that can be scanned/photographed and shown to the rest of the class. Ensure that they are in 3D and are annotated with explanations.  |

Throughout the year, there will be six major submission deadlines for the NEA work. It is essential that these deadlines are not missed. If a student misses one of these deadlines, they will be required to attend a compulsory Saturday morning catch-up session to complete the missing/non-submitted work.

| SECTION                | CRITERIA  | DEADLINE WEEK   |
|------------------------|---|-----------------|
| <b>Proposal</b>        | Proposal based on research of contextual challenges set as summer task          | <b>7/9/18</b>   |
| <b>A</b>               | Identifying & investigating design possibilities                                | <b>5/10/18</b>  |
| <b>B</b>               | Producing a design brief & specification  | <b>19/10/18</b> |
| <b>Materials order</b> | Students to provide (an initial) breakdown of materials and components required | <b>7/12/18</b>  |
| <b>C/D</b>             | Generating design ideas/developing design ideas                                 | <b>14/12/18</b> |
| <b>E</b>               | Realising design ideas  | <b>8/2/19</b>   |
| <b>F</b>               | Analysing & evaluating - final submission.                                      | <b>9/2/19</b>   |

The recent mock GCSE has highlighted the importance of revision. The revision book we recommend to support your son's/daughter's revision for next year's examination is **Collins AQA GCSE Revision Design and Technology [ISBN 978-0-00822740-1]**. It costs £10.99 and can be found for half that price at several online retailers. We strongly recommend this book as there are very good self-test questions throughout.

Many thanks for your ongoing support and hoping you have a restful summer.

Yours faithfully

Mr T Rose  
Product Design Teacher

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Product Design Teacher