









<p><b>6<sup>th</sup> Form Preparation work for Design and Technology</b></p> <p><b>Product Design Choose 5 tasks</b></p> 	 <p><b>Watch</b> these brief introductions to the Industrial Revolution – consider the main developments that made it so successful.</p> <p><b>?</b> How do you think things would be today without these developments? What do you think were the main inventions before this time?</p> <p><a href="#">The Industrial Revolution (18<sup>th</sup>- 19<sup>th</sup> C)</a>  <a href="#">The Industrial Revolution BBC</a>  <a href="#">The Industrial Revolution - Overview</a>  <i>Youtube Video</i>  <b>Time: 25 mins</b></p>	 <p><b>Read</b> what Wiki says about the Great Exhibition of 1851 then..</p> <p><b>Read</b> through the catalogue of products on display in the Great Exhibition. ( look through each section briefly)</p> <p><b>?</b> Consider how the contents (p21) on display at an exhibition today would differ from those in 1851.</p> <p><a href="#">Wiki – Great Exhibition</a>  <a href="#">Great Exhibition Catalogue</a>  <i>Archive Document</i>  <b>Time: 1hr</b></p>	 <p><b>Listen</b> to this podcast about the Great Exhibition –</p> <p><b>M</b>ake a list of the main reasons for its introduction.</p> <p><a href="#">A History in our time</a>  <i>BBC In Our Time podcast(youtube link)</i>  <b>Time: 45mins</b></p>
 <p><b>Watch</b> these videos showing how the industrial revolution changed how products were designed at the start of the 20<sup>th</sup> Century and how it started a range of Design Movements that influenced ‘the designer’.</p> <p><a href="#">Arts and Crafts Movement</a>  <a href="#">Graphic Design</a>  <a href="#">Art Nouveau</a>  <a href="#">Art Deco</a></p> <p><i>Youtube Videos</i>  <b>Time: 1hr</b></p>	 <p><b>Complete</b> a design page of ideas for a chair based on the Arts and Crafts Movement – Include at least 6 different designs.</p> <p>You may decide to do some research first.</p> <p>Look at the last sections video at approx. 4:16s for inspiration.</p> <p><b>Time: 2hrs</b></p>	 <p><b>Complete</b> a final rendered Design for your chosen chair from the last section. Include an accurate 3D drawing of your final design. Label all materials and joining techniques.</p> <p>Include details of materials and joints from the around the turn of the century 1880s-1920s. (Research this)</p> <p><b>TOP TIP:</b> Investigate using Isometric crating to help.</p> <p><a href="#">Isometric Crating</a></p> <p><b>Time: 1hr 50 mins</b></p>	 <p><b>Watch</b> the TED talk which looks at how the future will change and how things like creativity, imagination and technology will be key in its success</p> <p><a href="#">Artificial Intelligence... the future</a></p> <p><i>TED Talks – Kwame Anthony Appiah</i>  <b>Time: 40m</b></p> <p><b>Just for fun</b>  <a href="#">The future of Drones</a>  <a href="#">Amazing Drones</a>  <b>Time: 20m</b></p>

**FOCUS : HOW DESIGN HAS CHANGED OUR LIVES**

# **GCE D&T A-Level Product Design**

## **Homework**

Projects topics for **2024-2025-2026**

- ☐ Illuminations
- ☐ Products promoting recyclability
- ☐ Mechanisms
- ☐ Educational toy for children

### **Task 1**

Research 5 images on given topics. Then write a critical analysis of each topic. (max 2 x A4 pages)

### **Task 2**

You must use ONE of the above topics to draw 5 original initial ideas in 3D. Use annotations and the use of colour to improve the quality of presentation. (max 2 x A4 pages)

**This work must be completed by 20 September 2024**