

# Welcome to A Level Product Design

- **What you can read:**

'AS/A Level Design & Technology - Product Design (AQA)' by Ian Granger, Will Potts, Julia Morrison and Dave Sumpner.



'Essential Maths Skills for AS/A Level Design & Technology' by Peter Warne and Chris Walker.

'AQA AS/A Level Product Design Specification' – link below:

- <https://www.aqa.org.uk/subjects/design-and-technology/as-and-a-level/design-and-technology-product-design-7552>

- **What you can watch:**

Below are some of the skills/topics that you will be learning when you join us at Burnley College. Here are some videos for you to watch to get you started on those topics and/or skills:

- Design methods and processes - <https://www.youtube.com/watch?v=qyoZTUGzdGY>
- Design styles and movements - <https://www.youtube.com/watch?v=amVvYPU4Gw8&list=PLACTJk4sWiHdk7SHERzNe0rN6guVc9NZ2&index=2>
- Cultural influences on designs - <https://www.youtube.com/watch?v=HxVN42BI004>
- Developments in technology - <https://www.youtube.com/watch?v=FwvLkmdV9QA>
- Surface areas and volumes - <https://www.youtube.com/watch?v=dajFLVAQrRA>

- **What are some of the topics and skills that you will cover?**

Below are some of the topics and skills that we will cover in September and October:

Topics	Relevant skills to the topic
Materials and their applications	<ul style="list-style-type: none"> <li>- Physical and mechanical properties and working characteristics of materials.</li> <li>- Practical workshop methods for investigating and testing material properties.</li> </ul>
Performance characteristics of materials	<ul style="list-style-type: none"> <li>- Specific names and classification of materials.</li> <li>- Performance characteristics of different types of materials.</li> <li>- Why different types of materials are suitable for different applications.</li> </ul>

Enhancement of materials	- Enhancement methods for materials and their suitability for specific applications.
Design Theory	- Key historical design styles, design movements and influential designers. - Key design styles and movements.

- **Tasks that you can do to prepare you:**

<b><u>Task</u></b>	<b><u>Link to the course/specification</u></b>
<p><b>Task 1.</b></p> <p>Watch the video on 'developments in technology' and write a couple of paragraphs about the future of design and the influences from the 'past'.</p> <p>Determine the key points that are applicable to Dieter Rams - why is his philosophy 'Less-but better', so apparent today?</p>	<p><b>2.3 Technology and cultural changes</b></p> <p>This topic builds directly from GCSE Design and Technology expanding on your knowledge of the design process and influences.</p> <p>We will look at how this information is used to influence the future of designs.</p>
<p><b>Task 2.</b></p> <p>Watch the video on 'design styles and movements'</p> <p>Create a revision poster to outline and illustrate the characteristics and influences of the Art Deco Movement.</p>	<p><b>2.2 Design Theory</b></p> <p>This topic builds on GCSE Design and Technology of design movements and influences.</p> <p>In this topic you gain a higher insight into the importance of design movements and their characteristics. These skills will be used consistently throughout the two-year course.</p>
<p><b>Task 3</b></p> <p>Watch the Design methods and Processes video and write a couple of paragraphs on the key areas that are talked about - the importance of each within design development. Creation of revision cards is also an advantage here.</p>	<p><b>2.4 Design processes</b></p> <p>This will help you form a critical analysis of the design process.</p> <p>In this topic you gain a higher insight into the importance of design processes and the importance of each. These skills will be used consistently throughout the two-year course.</p>

<p>Once you have done the above, make sure you can clearly explain the importance of the stages of the design process.</p>	
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- **Contact information**

If you have questions regarding this or any other A Level course at Burnley College, please contact [alevels@burnley.ac.uk](mailto:alevels@burnley.ac.uk) or call 01282733373

We look forward to seeing you in September.