



UXBRIDGE
HIGH SCHOOL



Sixth Form Transition Pack

Product Design

COURSE INTRODUCTION

Throughout the course you will look at the physical and working properties of a wide range of materials and components so that you can develop an understanding of why they are used in different applications. You will also consider their manufacture, use and life span of a product. Through manufacturing and design you will identify safe working practices and understand the various processes that can apply to a product. You will then apply this knowledge to produce a physical prototype that communicates your research, design, practical work and evaluation to others.

“The true sign of intelligence is not knowledge, but imagination.”

Albert Einstein

Essential summer reading

‘AQA Design & Technology: Product Design (3-D Design)’ by Brian Evans and Will Potts

Published by Nelson Thornes

ISBN: 978-2-7487-8257-4

Essential summer viewing/listening

Ten Commandments Of Design Dieter Rams -

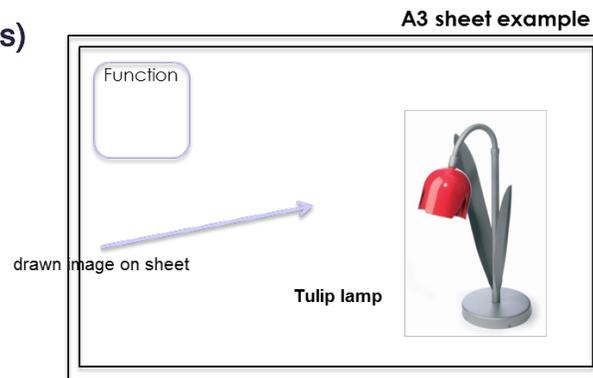
<https://www.interaction-design.org/literature/article/dieter-rams-10-timeless-commandments-for-good-design>

Task to be completed

Self-initiated case study (product analysis):

For this task you will be working independently to research and critically analyse a plastic product. You can select and draw a physical project. You will be required to consider the function, performance, ergonomics, cost, quality, manufacture and safety of the product. You can present your findings like the example below. You are expected to write a detailed response and present your findings in an aesthetic way of your choosing.

- function
- Performance (How well it functions)
- ergonomics
- cost
- quality
- manufacture
- safety
- Any other considerations....



Additional Stretch and Challenge Task to be completed

Think about a design problem that you could solve. Link it to a current context or scenario that you know needs addressing. Some common contexts are: *Supporting the needs of the disabled; There is a current issue with people not recycling enough; Young children find it difficult to live healthy lifestyles.* You do not need to use these contexts but they give you an idea of what a context is.