

Design and Technology Transition Work June 2023

Please complete the weekly tasks outlined below and attend the meet sessions with the teachers for further guidance and information.

Please keep all work created in a folder to present to me in the first lesson in September.

Design and Technology: Product design	AQA 7135 7136	
Reading task		<p>https://www.interaction-design.org/literature/article/dieter-rams-10-timeless-commandments-for-good-design</p> <p>Read the article about 'what is good design?' in the link above. Think carefully about the list of points in the article – which do you think are the most important and why? Write down the 4 most important points and explain why you chose them as the most important</p>
Summer task part 1: User centred design 1 hour		<ul style="list-style-type: none">• Watch the youtube video 'The Big Life Fix Episode 1' – https://www.youtube.com/watch?v=munVsXsqgSc <p>Make bullet point notes as you watch to record the process that the designers go through to create a solution to the user's problem.</p> <ul style="list-style-type: none">• What did they actually do? – starts with meeting the client• What stages did they go through?• How did they achieve a working final product?
Summer task part 2: Product analysis and understanding production 2 hours		<p>Watch these 2 youtube videos on product analysis and manufacture – listen/watch carefully to see what is considered.</p> <p>Product analysis: https://www.youtube.com/watch?v=4IZ0bnVrgSO</p> <p>how its made: https://www.youtube.com/watch?v=cSh1la4rnEA</p> <p>Present your own product analysis of a piece of flat-pack furniture using powerpoint or similar computer app. You must include:</p> <ol style="list-style-type: none">1. Detailed photos of the product (eg. Bedside table, etc)2. Label and explain all the design choices made by the designer – why is it the way it is?3. If possible – take it apart and photo the joints used – ASK PERMISSION FIRST!!4. Show all construction details and give reasons for the choices of materials and construction fittings – add internet sourced images of the components if you can't take it apart. <p>**FIND a 'how its made' youtube video on flat-pack furniture/ikea furniture as it will show many of the design choices and construction details for you to add to your sheet. Help: use ACCESS FM to help you think of headings to use on your sheet</p>
Summer task part 3: 3 hours		<p>Sketch this toaster on 1 A3 sheet or 2 sheets of A4. Sketch it using several different views including 2D and 3D – extension:</p>

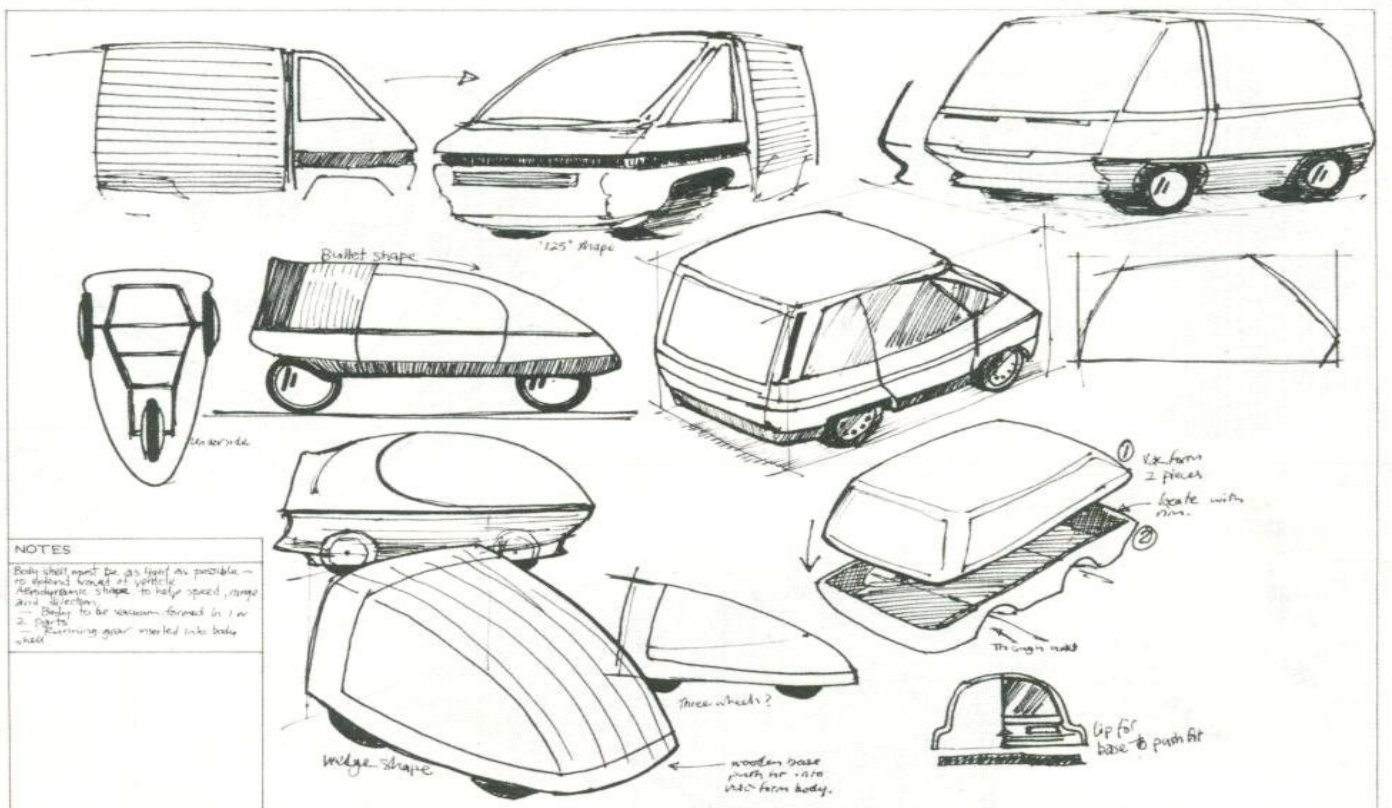
Toaster sketch sheet layout

exploded view.

Look at the example sketch sheet below – why does it look so good? Learn from it if you can.

Consider: Use all the skills of construction lines, crating, thick and thin line weighting, as well as different views and layout of the overall sheet.

Extension 2: if you have time, add another sketch sheet and try to show how this toaster could be put together – exploded or cut-away views could be used



BODY SHELL DESIGNS

**Summer task
Extension**

Have a go
learning to use

Use Onshape to create this toaster on CAD.

General resources and suggested reading:

Many links in the work above will connect to other excellent resources for extra study

Specification Link:

AQA web page for A level D&T: Product Design

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

Specification

<https://filestore.aqa.org.uk/resources/design-and-technology/specifications/AQA-7552-SP-2017.PDF>

Text book – no requirement to buy:

AQA design and technology product design by Ian Granger, Will Potts, Julia Morrison and Dave Sumpner Hodder Education

https://www.amazon.co.uk/AQA-AS-Level-Design-Technology/dp/1510414088/ref=pd_lpo_14_img_0/258-2989511-7314623?encoding=UTF8&pd_rd_i=1510414088&pd_rd_r=f946fdc8-0747-4499-82bd-8ede303f4a02&pd_rd_w=k47St&pd_rd_wg=G9Ra9&pf_rd_p=7b8e3b03-1439-4489-abd4-4a138cf4eca6&pf_rd_r=TXVFDTVFWHQGGESP5JOR&psc=1&refRID=TXVFDTVFWHQGGESP5JOR

Documentaries to watch (youtube)

Dragon's den

The Big Life Fix series

Better by design