

D&T: Product Design

Year 11 GCSE Revision Plan

Key Dates

Controlled Assessment Final Deadline: Thursday 27th April 2017

Half-term & Easter Practical Workshop Sessions:

- Tuesday 14th Feb
- Tuesday 4th April and Thursday 6th April
- Tuesday 11th April and Thursday 13th 10am-4pm

Written Examination: Monday 26th June 2017

The written exam always follows the same structure. Q1 is always the DESIGN QUESTION, usually about 30 marks/30 mins. You always need to design in response to a Brief and Specification, showing your ideas in 2D (e.g. nets, cross sections, diagrams) and 3D views (e.g. perspective, isometric, orthographic) and must include construction details, materials and processes used. There will always be questions about a range of materials, but you should only answer about materials you have been taught (e.g. papers, boards, woods, plastics and metals), so avoid questions about; Food, Textiles and Ceramics. There will also be a question about Manufacturing, where you have to plan out and sketch how you would make a simple product in quantity (batch, mass etc), ensuring they are of consistent, high quality, low price. Use the black Revision Guide, printed revision materials and PLCs given to you in class to help you revise and practice answering questions on past exam papers.

Revision Plan

Week beginning Monday	Revision To be able to recall all the knowledge of:	Revision guide/workbook pages for expansion notes and extra questions
20 th February	History of Product Design	4-13
27 th February	Sustainability Issues	14-15
6 th March	Human Factors, ergonomics etc	20-27
13 th March	Manufacturing, Production scales	58-62
20 th March	Hand tool, manual processes	71-76
27 th March	Joining & finishing	79-89
3 rd April	Paper & Boards, components & processes	30-31, 70, 84-85
10 th April	Timber & Boards, components & processes	32-34, 48, 52-53, 80-81
17 th April	Metals & Plastics, components & processes	35-39, 48, 52-53, 63-64, 65-68, 82-83
24 th April	New, Smart & Modern Materials	54-57
Thursday 27 th April 2017	Controlled Assessment Final Deadline	N/A
1 st May	Printing methods, QA, QC	90-91
8 th May	Drawing techniques: One point perspective	YouTube, Technologystudent.com
15 th May	Drawing techniques: Two point perspective	YouTube, Technologystudent.com
22 nd May	Drawing techniques: Orthographic & IsoSketch for Isometric	YouTube, Technologystudent.com
29 th May	Drawing techniques: Shading & rendering	YouTube, Technologystudent.com
5 th June	Drawing techniques: Nets, box construction	16-19, 30-31
12 th June	ALL Topics revise	4-93
19 th June	ALL Topics revise	4-93
26 th June	ALL Topics revise	4-93

EXAM: Tuesday 27th June 2017

Key Resources

Read the **black Revision Guide** regularly and cross reference with the GCSE Pod videos and past papers for each topic covered.

Use the **past papers, videos and mark schemes** found on the CBSCDT website.

Practice hand drawing and computer aided design skills (*YouTube tutorials, Sketch-a-Day, Product Tank, technologystudent etc*).

Having a good understanding of how products are designed and made will also be an advantage, so watching any relevant TV shows or YouTube videos, Netflix documentaries would be good (e.g. *How It's Made, Megafactories, Genius of Design, How It Works, The Apprentice, Grand Designs, Amazing Spaces.*)

<https://sites.google.com/a/cbsc.co.uk/cbsc-design-technology/>

<http://www.technologystudent.com/>

<https://www.youtube.com/user/CBSCDT>

<https://www.gcsepod.com/>

<https://www.behance.net/>

<https://uk.pinterest.com/>