

Design and Technology				
	Content Overview	Small Steps	Resources links	GCSE Pod link
1	Categories and properties of materials	What are the different categories of materials, their uses and properties and can you name examples of each material type	MATERIALS INCLUDING: LEVEL 1/2 TECHNICAL AWARD MATERIALS TECHNOLOGY (technologystudent.com)	GCSEPod
2	Stock forms and Standard components	Can you identify stock forms of material and standard components and suggest an appropriate use	MATHEMATICS IN DESIGN AND TECHNOLOGY (technologystudent.com)	GCSEPod
3	Presentation of data, diagrams and charts	Can you identify the different types of charts and tables#	MATHEMATICS IN DESIGN AND TECHNOLOGY (technologystudent.com)	GCSEPod
4	Drawing and interpreting graphs	Can you interpret data into the correct type of tables and charts and plot this correctly	MATHEMATICS IN DESIGN AND TECHNOLOGY (technologystudent.com)	GCSEPod
5	Wider implications in D&T	Do you know the 6R's and how each one of them can be applied to a product	Technology and the Environment (technologystudent.com)	GCSEPod
6	Context, usability and Design communication	Can you identify; problems within a design context, different drawing techniques and use them when re-designing products	THE NEW DESIGN AND TECHNOLOGY GCSE (technologystudent.com)	GCSEPod
7	Opportunities and constraints	Do you know that sometimes you have to compromise when designing products. Do you know what ACCESSFM stands for	THE NEW DESIGN AND TECHNOLOGY GCSE (technologystudent.com)	GCSEPod
8	New and Emerging Production Methods	What are New and Emerging Production Methods and how do they impact the design industry	THE NEW DESIGN AND TECHNOLOGY GCSE (technologystudent.com)	GCSEPod
9	Emerging Technologies and Ethics	What are new and emerging technologies and the potential ethical issues surrounding them	THE NEW DESIGN AND TECHNOLOGY GCSE (technologystudent.com)	GCSEPod
10	Energy Sources and Generation	What are the positives and negatives of different types of energy storage and generation	Technology and the Environment (technologystudent.com)	GCSEPod
11	Metric units, decimals and standard form	Can you use, metric units, decimals and standard form when responding to calculation questions	MATHEMATICS IN DESIGN AND TECHNOLOGY (technologystudent.com)	GCSEPod
12	Ratios, Fractions and Percentages	Can you scale drawings, and calculate profit margins	MATHEMATICS IN DESIGN AND TECHNOLOGY (technologystudent.com)	GCSEPod
13	Surface Area and Volume	Can you calculate surface area and volume of simple and complex shapes and link it to material costing	MATHEMATICS IN DESIGN AND TECHNOLOGY (technologystudent.com)	GCSEPod

14	Controlled movement in products	Can you name and identify uses of the different types of gear trains, levers, cams and pulley's & belts	Mechanisms Index Page (technologystudent.com) https://www.technologystudent.com/gears1/geardex1.htm https://www.technologystudent.com/forcmom/forcedex.htm	GCSEPod
15	Electronic Systems	Can you identify input, process and output components and sequence electronic systems using flowcharts	Electronic Components and Symbols - 1 (technologystudent.com)	GCSEPod

Additional Information D&T has ongoing 50% coursework with an internal deadline of WB 25/04/2022. Marks will be sent to the examination board prior to 15/05/2022 - Pupils will be conducting exam practice week beginning 02/05/2022