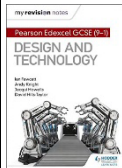


Year 11 Mock Exam Preparation

Year Group:	11
Subject:	Design and Technology
Tier (if applicable):	NA

Details of assessments

Papers to be sat: Component 1 (1 hour 30 minutes)		Revision references (Where to revise)			
		Edexcel text book	Hodder (my revision notes)	Materials revision guide	Other project booklets
					
Topics to be covered in the assessments:	Material properties	Page 55	Page 37	Page 1	NA
	All core materials. (Timbers, manufactured boards, metals, polymers, paper and card, textiles, smart materials, composite materials)	Modern, Smart materials, textiles and composites Page 19-24, Metals page 38 Papers and cards Page 40-41. Polymers Page 44-46. Textiles page 47-51 Timbers Page 52-53.	Page 26-36	Timbers Page 2-7 Manufactured Boards page 8-10 Metals Page 11-14 Polymers Page 15 – 18. Composites and smart materials Page 19 – 26	Wooden box booklet and core materials

				Paper and card page 27 – 30 Textiles page 36 -37	
	1.1 The impact of new and emerging technology. Society and remote working. - The environment	Page 7, 8	N/A		Worksheets for New and emerging technology
	1.2 Minimising the environmental impact of new and emerging technologies	Page 13 & 14	Page 13		Revision sheet
	Applied maths questions (percentages, area, costs)				
	1.5 Levers & Mechanisms (Gears, Mechanisms & Belts including calculation of RPM, velocity, ratios)	Page 25 - 32	Page 19-22		Levers and mechanism booklet
	- Designing to a specification.	NA	NA	NA	NA
	Processes and techniques for fabricating/constructing with timber. (preparing, cutting, shaping, turning, joining, finishing, forming)	Page 292 -305.	Page 144 -150		The wooden box booklet
	Stock sizes and standard forms	Page 285	Page 139		The wooden box booklet
	CAM	Page 75, 295	Page 145		
	1.6 and 1.7 Electronic systems and	Page 33-36	Page 23-26		Nightlight and programming booklet

	programmable components				
	1.17 Graphic communication techniques	Page 68 -76	Page 46-47		Chair design booklet

Materials to support your revision

Link to Online Resources:	www.technologystudent.com Focus software available via Moodle using the enrolment key “techsoft” Seneca online learning.
Link to exemplar questions or past papers to use:	Previous assessments and end of topic tests.
Link to model answers or mark schemes:	The questioning style used in the assessment is used throughout the work booklets completed so far.
Recommended revision guides:	Edexcel GCSE (9-1) design and technology. Published by Pearson Core section 1 Timber section 7 (Colley, Dennis, Dhimi, Wellington, Weston) ISBN 978-1-292-18458-6 My revision notes Pearsons Edexcel GCSE (9-1) Design and Technology.

	Published by Hodder Education (Ian Fawcett, Andy Knight, Jacqui Howells, David Hills-Taylor) ISBN 978-1-510-48050-6 Focus software app Maths guidance is also available through the Focus Software App.
In house booklets:	Materials revision guide. Working with timber booklet. Core materials booklet.