




Year 11 February 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 45 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:	<ul style="list-style-type: none"> Material properties 	Page 55	Page 37	Page 1	
	<ul style="list-style-type: none"> 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 Paper and card page 27 – 30 Textiles page 36 - 37	Wooden box booklet and core materials
	<ul style="list-style-type: none"> Pulleys, belts and gears RPM and velocity ratio. 	Page 29-31	Page 22	NA	Levers and mechanisms booklet

	<ul style="list-style-type: none"> Sources of power 	Page 16-17	Page 14-15	NA	Sources of power booklet
	<ul style="list-style-type: none"> Evaluating the environmental impact of new and emerging technology. 	Page 13-14	Page 7-10	NA	Sources of power booklet
	<ul style="list-style-type: none"> Composite materials 	Page 21-22	Page 16 - 17	Page 19 - 22	Core materials booklet
	<ul style="list-style-type: none"> Applied maths questions (percentages, ratio, bar charts) 	Page 125, 157, 201, 299, 300.	NA	NA	NA
	<ul style="list-style-type: none"> Standard, stock forms and sizes of materials. 	Page 290-291	Page 142	NA	The wooden box booklet
	<ul style="list-style-type: none"> Designing to a specification. 	NA	NA	NA	NA
	<ul style="list-style-type: none"> Timber finishing. (The wooden box booklet) Varnish, shellac, etc. 	Page 305	Page 152	NA	The wooden box booklet
	<ul style="list-style-type: none"> Processes and techniques for fabricating/constructing with timber. Cutting and shaping timber. Advantages and disadvantages of different wood joints. 	Page 292 - 293.	Page 144 -150	NA	The wooden box booklet

Materials to support your revision

Link to Online Resources:	<p>www.technologystudent.com</p> <p>Focus software available via Moodle using the enrolment key "techsoft"</p> <p>Seneca online learning.</p>
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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:	<p>Edexcel GCSE (9-1) design and technology. Published by Pearson Core section 1 Timber section 7 (Colley, Dennis, Dhami, Wellington, Weston) ISBN 978-1-292-18458-6</p> <p>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</p> <p>Focus software app</p> <p>Maths guidance is also available through the Focus Software App.</p>
In house booklets:	Materials revision guide. Working with timber booklet. Core materials booklet. Sources of power booklet. Nightlight booklet (electronics) Levers and mechanisms booklet.