

Use this to track and discuss each revision topic with your child - Tell me about.... What is..... Give me an example of..... Describe different.....

Unit 1 - New and Emerging Technologies		Unit 3- Materials		Unit 6 -Designing Principles	
Industry and Enterprise		Paper and Boards		Investigation, Primary & Secondary Data	
Sustainability and the Environment		Timbers		The Work of Others	
People, Culture and Society		Metals and Alloys		Design Strategies	
Production Techniques and Systems		Polymers		Communication of Design Ideas	
Informing Design Decisions		Textiles		Unit 7- Making Principles	
Unit 2 - Energy, Materials, Systems and Devices		Unit 4 - Common Specialist Technical Principles		Selection of Materials and Components	
Energy Generation		Forces and Stress		Tolerances	
Energy Storage		Improving Functionality		Material Management	
Modern Materials		Ecological and Social Footprint		Tools, Equipment, Techniques and Finishes	
Smart Material		The 6 R's		Surface Treatments and Finishes	
Composite Materials Technical Textiles		Scales of Production		<i>Mock Topic Tests</i>	
Systems Approach to Designing		Unit 5- Timber		<i>Test 1:</i>	

Electronic Systems Processing		Sources and Origins		Test 2:	
Mechanical Devices		Working with Timbers		Test 3:	
Interim Test:		Commercial Manufacturing		Test 4:	

How to prepare your child for the upcoming Design Technology exam

Encourage and discuss the different ways your child can access revision support to help them to prepare for their written exam. These are:

1. Attendance at revision sessions
 - GCSE revision sessions will take place for an hour after school every Week 1 Friday. These sessions will revisit a range of topics. In addition, a faculty room will be available at lunchtime for pupils to access additional support.
2. Revision guide
 - This is an AQA specific guide which provides a very useful summary of key content. They are very useful to refer to when preparing revision materials such as flash cards and mind-maps. Revision guides can be purchased from the finance office.
3. Focus eLearning
 - This is an online resource which is provided by the school. It has a range of topics with videos and pictures to aid revision.
 - <https://www.focuselearning.co.uk/u/4444/ErDhhjycqftydxuizuishoEnrxjpntomf>
 - Students must use the following details to log in: Username: student@whickham4444 Password: zyuvp6c63
4. Use of book/files
 - These can be an excellent way to revisit content and look back over your own work. In particular, looking at teacher feedback in past papers as an effective way to identify what mistakes have been made in previous work and what can be done to make further progress.
5. Online resources
 - The use of online websites is of great benefit to your child, students should be familiar with these websites as they have used them to aid with their exam
 - <http://www.technologystudent.com/>
 - <https://www.bbc.co.uk/bitesize/examspecs/zby2bdm>

- <https://kahoot.com/>

6. Student revision booklet

- This booklet should be used as a question and answer booklet so that you can help coach your child into answering content correctly with accuracy. Ideally topics should be worked through at random. We hope that you enjoy using this booklet to help check your child's understanding of the topics that they have completed. You can use the school made revision booklet to pick topics and ask your child a question. They were issued with these at the start of Year 11, they are located on your child's shared drive ready to view as a PDF or reprint.
- Shared Drive- Design Technology KS4-Exam- Revision Booklets

How will you child be assessed?

Written exam
<p>What's assessed?</p> <ul style="list-style-type: none"> ● Core technical principles ● Specialist technical principles ● Designing and making principles <p>In addition:</p> <ul style="list-style-type: none"> ● At least 15% of the exam will assess maths ● At least 10% of the exam will assess science
<p>How it's assessed</p> <ul style="list-style-type: none"> ● Written exam: 2 hours ● 100 marks ● 50% of GCSE

<ul style="list-style-type: none"> ● Section A <ul style="list-style-type: none"> ○ Core technical principles ○ (20 marks) 20% of revision time ○ A mixture of multiple choice and short answer questions assessing a breath of technical knowledge and 	<ul style="list-style-type: none"> ● Unit 1- New and emerging technologies ● Unit 2- Energy, materials, systems and devices ● Unit 3- Materials and their working properties
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<p>understanding</p>	
<ul style="list-style-type: none"> ● Section B <ul style="list-style-type: none"> ○ Specialist technical principles ○ (30 marks) 30% of revision time ○ Several short answer questions (2-5 marks) and one extended response to assess a more in depth knowledge of technical principles 	<ul style="list-style-type: none"> ● Unit 4- Common Specialist technical principles ● Unit 5- -Specialist technical principles (Timber based materials)
<ul style="list-style-type: none"> ● Section C <ul style="list-style-type: none"> ○ Designing and making principles ○ (50 marks) 50% of revision time ○ A mixture of short answer and extended response questions 	<ul style="list-style-type: none"> ● Unit 6- Designing principles ● Unit 7- Making principles