



Year 11 Curriculum Content Overview 2018-19

Design & Technology (AQA)				
Knowledge and Skills Students will be taught to....	Reading, Oracy, Literacy and Numeracy	Formative Assessment	Summative Assessment	Link to reformed GCSE Content
<ul style="list-style-type: none"> Apply learned skills throughout the Qualification Stage, to complete the NEA for their course - portfolio of evidence and prototype(s) manufactured. Apply a range of revision strategies, to revise the topics that have been taught in Years 9, 10 and 11. Apply knowledge learnt to a number of different exam questions. This is so that students are exposed to the possible question styles that may be in the examination. 	Reading <ul style="list-style-type: none"> Reading notes previously made and refining them to revise from. Reading NEA support to create their portfolio for the NEA. Proof reading work. 	Questioning in lessons. Generic whole class feedback on NEA portfolio Verbal feedback during lessons on practical work/NEA.	2 assessments throughout the academic year (November PPE and Easter PPE) NEA will be assessed which makes up 50% of the overall GCSE grade.	NEA contextual challenge GCSE Exam
	Numeracy <ul style="list-style-type: none"> Practice of mathematical skills outlined in the GCSE Specification. Accurately measuring and marking to be able to produce a prototype(s) for their NEA. 	Low stakes quizzing. Exit strategies.		
	Oracy and Literacy (including keywords for practical subjects) <ul style="list-style-type: none"> Key words Student discussion 			



Assessment Skills, Knowledge and Concepts Map

(These need to be mapped backwards from GCSE and ensure that all students can access their target percentage) – what do all students need to achieve in year 7 to be able access their target grade and be on track for their year 11 target grade?

	Design & Technology (AQA) - Year 11	Cross-Curricular Strands
Key Learning Questions	NEA - Contextual Challenge	Reading
<ul style="list-style-type: none"> How will you document your progress through the NEA? What contextual challenge have you selected? What do you need to know/research/investigate to gather relevant information about the contextual challenge? Who is your user/client and what are their needs and wants? How will you communicate your ideas? How can you develop your idea(s) to meet the needs of the client/user? How will you make your prototype accurate and fit for purpose? How will you gather feedback and act upon it? What skills are you going to use from the previous years to complete this? 	<p>Practical application of:</p> <ul style="list-style-type: none"> Core technical principles Specialist technical principles Designing and making principles <p>How's it assessed:</p> <ul style="list-style-type: none"> Against a set of criteria: <ul style="list-style-type: none"> Identifying and investigating design possibilities Producing a design brief and specification Generating design ideas Developing design ideas Realising design ideas Analysing & evaluating 100 marks 50% of GCSE <p>A series of contextual challenges will be released by AQA annually on 1st June (Year 10) Students will produce a prototype and a portfolio of evidence. Deadlines will be given to students, which they will need to meet.</p>	<ul style="list-style-type: none"> Reading and interpreting designs. Reading and interpreting technical specifications. Reading exam questions.
Key Learning Questions	Exam	Oracy and Literacy
<ul style="list-style-type: none"> How is the exam structured? What will you be expected to do in the exam. What do the command words used within the exam mean? What do you need to include within the variety of questions in the exam? 	<p>What's assessed</p> <ul style="list-style-type: none"> Core technical principles (20 marks) <ul style="list-style-type: none"> A mixture of multiple choice and short answer questions assessing a breadth of the technical knowledge and understanding Specialist technical principles (30 marks) 	<p>Language for Learning State, identify, name, give, calculate, show, draw, sketch, define, outline, describe, justify, explain, analyse, discuss, evaluate, compare, consider.</p> <p>Key Terms</p>



	<ul style="list-style-type: none"> ○ Several short answer questions (2-5 marks) and one extended response to assess a more in depth knowledge of technical principles. ● Designing and making principles (50 marks) <ul style="list-style-type: none"> ○ A mixture of short answer and extended response questions ● Written exam that is 2 hours. ● 100 marks ● 50% of GCSE ● Recognise and understand the different command words that may be used within the exam: State, identify, name, give, calculate, show, draw, sketch, define, outline, describe, justify, explain, analyse, discuss, evaluate, compare, consider. ● Relating the command word to the amount of marks that are available and what they are being asked to do.
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<p>Oracy</p> <p>Student responses to questions Student discussion within lesson. Student to student discussion/feedback on their work.</p>

Key Learning Questions	Revision
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<ul style="list-style-type: none"> ● Are you prepared for the exam? ● What do areas do you need to develop? ● How can you improve your depth of knowledge? ● What revision techniques works best for me? ● From PPE 1 to PPE 2 what do I need to cover. 	<ul style="list-style-type: none"> ● Revision timetable - organise a timetable not only for all your GCSEs but what you are going to cover when you revise D&T. ● Techniques to help with revision at home <ul style="list-style-type: none"> ○ Knowledge organisers ○ Mind maps ○ Flashcards ○ Exam questions (also in class) ● After each PPE look at the areas in which you need to work on, and put those into your revision timetable.
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Numeracy

<ul style="list-style-type: none"> ● Measuring in mm. ● Conversion of units. ● Calculating surface areas - determining the quantity of materials required. ● Calculating wastage - determining the quantity of materials required. ● Tessellation of shapes/products. ● Graphic presentation of design ideas and communication intentions to others. ● Analysis and presentation of data and client survey responses. ● Use of ratios, fractions and percentages - scaling drawings, analysing responses to user questionnaires. ● Handling data - construct and interpret tables and charts to present information.



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