

Year 11 – Product Design Curriculum

Throughout the year you will complete the NEA. This will run alongside two lessons a fortnight of theory work, guided by the Edexcel GCSE D&T Specification. As the year progresses, more of a bias on revision will take place, ensuring you are fully prepared for the summer examination.

	What will I learn?	How will I learn it?	Why is it important that I learn this?	Why am I learning this now?
Year 11 Half Term 1	<p>Research: You will research in to your chosen problem, carrying out an investigation to ensure you can design a successful product.</p> <p>Design Brief and Specification: This is where you will make decisions about what you are going to do to solve the problem.</p> <p>Designing: You will design a range of ideas, making decisions along the way.</p> <p>Reviewing ideas: You will evaluate your ideas against the Specification you wrote earlier, to ensure you choose the best idea to take forward.</p>	<p>For every section of the NEA, your teacher will discuss what is needed to meet the criteria for assessment, you will be shown examples of previously completed NEA's and you will complete mini-assessment tasks so you understand the marking criteria.</p> <p>You will be based in a PC room so will have the internet to investigate and research. You will summarise all you have found out using PowerPoint and explain how each part of your research has helped you make decisions.</p> <p>For the designing section, you will sketch in freehand but also, we use the web based SketchUp. To get ahead you should familiarise yourself with this, it is very easy to</p>	<p>You will learn how to complete each section before you start it. This is due to the teacher being able to only support so much with your NEA, it is independent work and you will sign a declaration at the end of the course to say it is all your own work. We will save all support guidance on Google Classroom so you can access it at any time, this will include the lessons PowerPoints from the teacher.</p>	<p>The NEA runs from Spring Bank Half Term in Year 10, until March of Year11. You have a set time to complete this and it needs to be submitted to the examination board by a certain time. This is what regulates all our deadlines.</p>

		use and there are loads of help clips on YouTube.		
Year 11 Half Term 2	<p>Developing ideas: You will develop your chosen idea to the best outcome you can.</p> <p>Final design: You will create a manufacturing specification to explain what the final product will look like; what materials are needed to make it and how your product will be made.</p> <p>Mock exams will be near the end of the term.</p>	To develop your ideas, you will take the 'iterative' approach. This means you will constantly be reviewing, reflecting and improving, for example; trying to solve a problem through modelling, evaluating the effectiveness of how this works, asking others in your target group what they think, reflecting on their feedback, making further changes to gain a successful solution. This will be done several times to ensure all problems are solved and the best final design decided upon.	Ensuring you choose the best outcome will therefore ensure you create the most suitable product for your target market that would meet your specification criteria and also gain you the highest mark in the NEA.	The NEA runs from Spring Bank Half Term in Year 10, until March of Year11. You have a set time to complete this and it needs to be submitted to the examination board by a certain time. This is what regulates all our deadlines.
Year 11 Half Term 3	Manufacturing the final product, then testing and evaluation before the final hand in.	You will now use the full workshop, including all tools and machinery to create your final product to a high standard. By this point, you should be fully prepared and confident in what you need to do. You will ensure yourself and others stay safe with how you use the workshop and have a specific focus on quality and accuracy.	The manufacturing section is worth 25% of your total marks in the NEA.	The NEA runs from Spring Bank Half Term in Year 10, until March of Year11. You have a set time to complete this and it needs to be submitted to the examination board by a certain time. This is what regulates all our deadlines.
Year 11 Half Term 4	Revision! We will deliver further theory that needs covering,	This half term is all about building your confidence in all the theory	Going in to an examination confident is so important, you	The examinations will begin after the Easter holidays. This is the last

	using booklets, exam questions, mini-assessments.	we have covered over the last 18months. We will be using a range of teaching and learning strategies to ensure you have the knowledge and build confidence in your exam technique. You will be practising, practising, practising!	feel better and therefore you perform better. You will also know the mark you have achieved on your NEA which is 50% of your final grade, meaning you could be walking in to the exam room knowing you are on the right path to a high grade!	half term to ensure you understand all topics covered, plus feel confident answering all style of examination questions.
Year 11 Half Term 5	Final Revision, you will be revisiting any sections or examination techniques which need to be covered to ensure full confidence for the examination.	Exam questions, assessing your own answers, maths in D&T questions, we will use exam booklets we have prepared, plus old exam questions. We will be carrying out further research if need be and there will be plenty of question and answer sessions.	The final lessons are the one's that you remember more clearly. This will be your last chance to ask any final questions and clear up any misconceptions before the examination.	This term you may start sitting the examinations. You will also have study leave. Therefore, this time we have will be used for final revision, revisiting any topics you may still feel unsure about and practising exam questions ready for the examination.