

Year 11 GCSE OCR ~ Curriculum Map for Design and Technology (dept.)

What are the intended aims for this year's curriculum? To complete the NEA task set by the examining board in June and to revise for end of course test in the following May.

	Term 1 Strand 2	Term 2 Strand 3 & 4	Term 3 Strand 5 & 6	Term 4 Tweaking NEA & revision	Term 5 EXAM	Term 6
	Topic(s): Researching Primary user Stakeholder Existing products Technical information Materials	Topic(s): Iterative designs Modelling Prototyping Analysis Communication Developing Quality control	Topic(s): Analysis Evaluations Third party opinions Job sheets Assembly Modifications	Topic(s): Adjustments Quality control Revision on all topics covered so far during year 10 and year 11 theory lessons.	Topic(s): 2 weeks to look at past exam questions and in depth knowledge on papers and boards to ensure fresh when going into the exam. MAY EXAM	Topic(s): 2 weeks to look at past exam questions and in depth knowledge on papers and boards to ensure fresh when going into the exam. MAY EXAM
	Aim of A&R	Aim of A&R	Aim of A&R	Aim of A&R	Aim of A&R	Aim of EoY exam
'Big idea(s)' / fundamental concepts	<i>To continue to investigate your primary user and stakeholder needs. To create iterative design ideas that match their needs.</i>	<i>To keep modelling and creating iterative design prototypes and refining back to your primary user and stakeholders for advice and guidance.</i>	<i>Looking back at the modelling and prototyping of your final product and ensuring that you have sufficiently analysed, evaluated and modified your ideas on paper.</i>	<i>To go over as much of the course content as possible before the exam and to tweak any NEA necessary.</i>	<i>To break down exam board questions into small chunks for the students to understand how to construct the answers themselves</i>	<i>To break down exam board questions into small chunks for the students to understand how to construct the answers themselves</i>
Knowledge to be learnt	To importance of keeping your primary user happy, communication skills, teamwork, core skills on machinery and CAD, CAM.	How to make for others, other than yourself. To keep checking ideas and knowledge. To ensure your design is user centred.	How to write a critical evaluation and to gain third party opinions of your product s]t see whether it would be feasible in the real world.	Knowledge will already have been taught so this term is all about gaining confidence in your ability to answer correctly.	How to answer the big mark questions and not lose marks	How to answer the big mark questions and not lose marks
Key vocabulary	Researching, Primary user, Stakeholder, Existing products, Technical information, Materials	Iterative designs, Modelling, Prototyping, Analysis, Communication, Developing, Quality control	Analysis, Evaluations, Third party opinions, Job sheets, Assembly, Modifications	Quality control, adjustments, materials, papers and boards.	Layout of questions, problem solving, assembly of products	Layout of questions, problem solving, assembly of products
The role of reading and comprehension	<i>Written instructions</i> <i>Identifications of keywords.</i> <i>SMHW quiz</i>	<i>Written instructions</i> <i>Identifications of keywords.</i> <i>SMHW quiz</i>	<i>Written instructions</i> <i>Identifications of keywords.</i> <i>SMHW quiz</i>	<i>Written instructions</i> <i>Identifications of keywords.</i> <i>SMHW quiz</i>	<i>Written instructions</i> <i>Identifications of keywords.</i> <i>SMHW quiz</i>	<i>Written instructions</i> <i>Identifications of keywords.</i> <i>SMHW quiz</i>
The role of independent extended writing	<i>Guided writing frames</i> <i>Exam questions in the summative assessments</i>	<i>Guided writing frames</i> <i>Exam questions in the summative assessments</i>	<i>Guided writing frames</i> <i>Exam questions in the summative assessments</i>	<i>Guided writing frames</i> <i>Exam questions in the summative assessments</i>	<i>Guided writing frames</i> <i>Exam questions in the summative assessments</i>	<i>Guided writing frames</i> <i>Exam questions in the summative assessments</i>
The role of maths/ numeracy	<i>Accuracy, measuring to tolerance, shapes and symmetry.</i>	<i>Accuracy, measuring to tolerance, shapes and symmetry.</i>	<i>CAD Accuracy, measuring to tolerance, shapes and symmetry.</i>	<i>Accuracy, measuring to tolerance, shapes and symmetry.</i>	<i>Accuracy, measuring to tolerance, shapes and symmetry.</i>	<i>Accuracy, measuring to tolerance, shapes and symmetry.</i>
Links to careers/ aspirations	<i>Car designer, fashion designer, Architecture, engineer, designer</i>	<i>Car designer, fashion designer, Architecture, engineer, designer</i>	<i>Car designer, fashion designer, Architecture, engineer, designer</i>	<i>Car designer, fashion designer, Architecture, engineer, designer</i>	<i>Car designer, fashion designer, Architecture, engineer, designer</i>	<i>Car designer, fashion designer, Architecture, engineer, designer</i>
Core skills	To be able to use: Safety Communication Researching	To be able to: Modelling in various medias Prototyping Electronics	To be able to: Third party opinions Critical evaluations Improvements to designs	To be able to: Quality control Quality assurance Revise	To be able to: Break down exm questions Write long answers	To be able to: Break down exm questions Write long answers
Dept. enrichment activities	Catch up club Tuesdays after school 3:30 – 4:15	Catch up club Tuesdays after school 3:30 – 4:15	Catch up club Tuesdays after school 3:30 – 4:15	Catch up club Tuesdays after school 3:30 – 4:15	Catch up club Tuesdays after school 3:30 – 4:15	Catch up club Tuesdays after school 3:30 – 4:15
Home learning opportunities	https://www.youtube.com/watch?v=b-hDg7699SQ	https://www.youtube.com/watch?v=gWk6br5Ngkc	https://www.youtube.com/watch?v=Md0BaiK98fU	https://www.youtube.com/watch?v=kTH-EFYwQDM	https://www.youtube.com/watch?v=22u3GZnbF7c	https://www.youtube.com/watch?v=22u3GZnbF7c
	To assess and review topics learnt in term 1	To assess and review topics learnt in term 2	To assess and review topics learnt in term 1-3	To assess and review topics learnt in term 1-4	To assess and review topics learnt in term 1-5	Exam normally sat in May