

Term 1 and 2 – 2020 Curriculum Planning

Curriculum plan for term 1 and 2 in response to C-19 and return to school. These curriculum alterations have been reviewed in light of curriculum delivered in home learning, pupil assessment and engagement.

Department: D&T Resistant Materials

For KS3 please note: The DT schemes are planned around the 5 members of DT staff and their specialisms meaning that the projects do not run as per the school calendar term. Year 7 and 8 projects run for 7 weeks. Year 9 projects run for 5 weeks projects (so that students can experience all subjects before option choices).

		Content edited and / or repeated.	Curriculum Changes – What and How	Follow up for linked units further into the key stage
KS3 Term 1 & 2	Year 7 (Design & Make a Chocolate Mould)	CAD 2D Design (Computer aided design) removed due to restrictions regarding access to computer rooms. This means that they will not be able to create their own nets. Practical task removed - Vacuum Forming thermo-plastic mould, Laser cutting MDF shapes and creating mould shape.	Students will have pre-made nets for packaging and thermo-plastic moulds provided.	Students will have an opportunity to use 2D Design across Yr8 D&T projects. Students will also witness the vacuum forming process for the new Yr7 moulds in 21-22.
	Year 8 (Design & Make a Pewter Accessory linked to a design era,	CAD 2D Design (Computer aided design) removed due to restrictions regarding access to computer rooms. Also no practical lessons so no mould creation, pewter casting, filing and polishing	Students will observe a demonstration of casting, shaping and polishing.	Students will have an opportunity to use CAD as part of their Yr9 Resistant Materials project. There will be an opportunity to develop skills further if GCSE is opted for.
	Year 9 (3D CAD Modelling)	No changes		
KS4 Term 1	Year 10 (Theory: New & Emerging Technologies / Energy Generation & Storage /	New & Emerging Technologies covered as part of Yr9 lockdown curriculum and then recapped at the start of Yr10.	N/A	Students will complete weekly homework tasks that consolidate their learning from the previous week (exam style questions that are teacher/self-assessed)

	Developments in New Materials) (Non-Exam Assessment: practice project)			Termly tests carried out to gauge understanding and help shape further theory lessons.
	Year 11 (Non-Exam Assessment: Investigation, Design Brief & Specification)	Students should have covered this SOW in Term 6 of Yr10. This will be covered in Term One. Due to restrictions on computer room access, students would benefit from attending Session 6.	Students will not be making a final prototype as part of their NEA, they will however continue to make models to develop their ideas.	Students recommended to attend Session 6 to enable regular access to computer room facilities.
KS4 Term 2	Year 10 (Theory: Developments in New Materials / Systems Approach to Designing / Mechanical Devices / Forces & Stresses) (Non-Exam Assessment: practice project)	No changes		
	Year 11 ((Non-Exam Assessment: Design & Development)	No changes	See above	Students recommended to attend Session 6 to enable regular access to computer room facilities.