

YEAR GROUP		Autumn 2022	Spring 2023		Summer 2023
9	Design	Locker tags Locker Tags: Introduction to CAD/CAM, (2D Design and Laser cutting). Casting metals and CNC milling. Solidworks masterclass 1 per week.	Sustainability 1) Water filtration system 2) chassis for solar motor		final assessed project - Dissassembly and product analysis - Drill powered pump Tweak for wind up torches - use of solidworks to draw, assemble McCain link
	Systems	Programmable Control 1- Life on Mars - Satellite Applications Catapult Link & DSE EEP	Sustainability - Solar motor drive system Energy Systems Catapult - Schneider Electric EEP		Low voltage lighting and continuity checker - final assessed project Northern Powergrid Link
	manufacture (not currently ran)	Hand Fabrication - Royal Navy - Firmac - schneider Turning - Solder pen for systems	Welding & forging - hanging basket brackets Age UK, turning continued		Milling - IGUS UK and Unison pipe bender
		Autumn 2023	Spring 2024	Summer 2024	
	Design	Year 10 as below			
	Systems				
	manufacture (not currently ran)				