

Departmental CEIAG Plan

Design & Technology

Year	Activity	Objectives	Support/Funding/Staffing
7	STEM club	To raise interest in STEM careers. This also is a platform to enter external competitions and liaise with STEM ambassadors.	1 x Teacher + Technician.
8	Strawberry fields additive manufacturing links	Pupils at Parklands have been given the opportunity to learn more about additive manufacturing using 3D printers	This initiative is funded by BAE systems and delivered by Create education.
	STEM club	To raise interest in STEM careers. This also is a platform to enter external competitions and liaise with STEM ambassadors.	1 x Teacher + Technician.
9	Rotary BAE Systems Technology Tournament (KS3 Team)	Encourage interest in engineering / problem solving & competition - links with BAE systems who are a major employer in the area.	"Free" event. Minibus, 1 x Teacher + Technician. March.
	STEM club	To raise interest in STEM careers. This also is a platform to enter external competitions and liaise with STEM ambassadors.	1 x Teacher + Technician.
10	Theory lessons covering scales of manufacture / SMSC regarding loss of skilled jobs due to automation.	Pupils begin to appreciate the change in demand for skilled / semi-skilled workers in the (global) manufacturing sector due to automation and cost effectiveness of outsourcing production to cheaper labour markets. They can also differentiate between Continuous / Mass / Batch and Bespoke production methods and the advantages / disadvantages of each.	N/A Curriculum lesson. Autumn Term.
11	GCSE NEA	Pupils will respond to a contextual challenge which provides a real life design scenario. Pupils will respond to that challenge by designing a brief, potential solutions and design specification. This process mirrors the commercial approach to the design process, albeit on a scaled down version. In many cases pupils will contact a real potential client with whom they can form a dialogue to help with the development of their product.	N/A Year 11 curriculum

