Year 12 structure: A Level D&T

	Skills based learning (including structuring	Theory modules
	coursework).	
Autumn 1	Design and make project:	Topic 1: Materials (1.1 to 1.7)
	All skills taught in KS4	
	recovered with students	Topic 2: Performance characteristics of
	creating a children's alien and	materials (2.1)
	rocket toy (see PowerPoint	
	for tools and equipment to	
	be covered).	
	 Design and 	
	development skills (3	
	weeks) - inc.	
	research.	
	Plan for	
	manufacturing (week	
	4).	
	 Realising final design 	
	idea (week 5	
	onwards).	
Autumn 2	Continuation of design and	Topic 4: digital technologies.
	make project:	
	Manufacturing (week	Topic 5: factors influencing the development
	1-4)	(5.1 to 5.4)
	• Evaluation (week 5-6)	
	Brainstorm ideas for NEA.	
Spring 1	Identification and	Topic 6: effects of technological
	investigation of design	developments
	possibility (2 weeks)	
	,	Topic 3: Processes, techniques and specialist
	Investigation of needs and	tools (3.1)
	research (4 weeks)	
Spring 2	Specification and brief (1	Topic 3: Processes, techniques and specialist
	week)	tools (3.1)
	Design ideas (sketches) (2	
	weeks)	
	Design ideas (models) (3	
	weeks)	
Summer 1	Review of design ideas (1	Topic 3: Processes, techniques and specialist
	week)	tools (3.1)
	Development of design ideas	
	Development of design ideas	
Cumpies on 3	(week 2-6)	Tonia 3. Dropossos tochnimus and anasislist
Summer 2	Development of design ideas	Topic 3: Processes, techniques and specialist
	(week 1-6 – work experience	tools (3.1)
	during this time).	

Year 13 structure: A Level D&T

	Skills based learning (including structuring coursework).		Theory modules	
Autumn 1	Complete development of design ideas (2 weeks)		Topic 7: Safe working practices, potential hazards and risk assessment (7.1)	
	Review of development ideas (1 week)		Topic 8: Feature of manufacturing industries $(8.1 - 8.3)$	
	Final design solution – five pages including orthographic project, 3D rendering and exploded diagram (4 weeks)			
Autumn 2	Review of final design idea + plan of make/manufacturing specification.		Topic 9: design for maintenance for a cleaner environment. Topic 10: current legalisation	
	Manufacturing prototype. (Mock exams during this period)		Topic 10. current regulation	
Spring 1	Manufacturing prototype (6 weeks)		Topic 11: Information handling, modelling and forward planning.	
			Topic 12: Further processes and techniques.	
Spring 2	Manufacturing prototype (1 week)		Topic 12: Processes, techniques and specialist tools (3.1)	
	Testing and evaluating (5 weeks)			
Summer 1	All exam topics covered aga	ain (HE covers topic 3 with workshop practicals).	