

Course Outline:

Year 12

Rationale

Year 12 gets students to develop design briefs meeting the needs of a user/client/market. They then produce a design portfolio clarifying their intentions through a range of investigation, design, development and prototyping activities. Supporting opportunities to develop new knowledge and understanding are provided. Students are encouraged to develop creative, imaginative and innovative solutions to real problems in society.

In Year 13 students employ skills learnt in Year 12 in order to complete their NEA, which includes identifying and investigating design possibilities, developing design proposals, developing design prototypes and analysing & evaluating. All activities, including identifying their own contextual challenge, will be guided and led by the student.

	CONTENT	KEY/FUNDAMENTAL CONCEPTS	ASSESSMENT
Autumn Term	Multifunctional furniture - Identify and investigating design possibilities - Development of design proposals	- Analysis of existing products using primary and secondary research methods. - Innovative design work through experimentation with a variety of modelling techniques.	Assessed in line with Section A/C NEA criteria
	Half-term		
	Multifunctional furniture - Development of design proposals - Final Design - Analysing & evaluating	- Innovative design work through experimentation with a variety of modelling techniques. - Ongoing analysis and evaluation throughout e.g. iterative design, taking into account third party opinion.	Assessed in line with Section C/E NEA criteria
Christmas Holiday			
Spring Term	Radio Project - Identify and investigating design possibilities - Development of design proposals	- Analyse and identify key features of design movements to influence design outcome. - Produce a range of innovative and original designs based on chosen design movement.	Assessed in line with Section A/C NEA criteria
	Half-term		
	Radio Project - Development of Design Prototypes	- High level practical skills employed to manufacture chosen radio manufacture. - Evidence of quality assurance	Assessed in line with Section D NEA criteria
Easter Holiday			

Summer Term	Radio Project - Development of Design Prototypes	- High level practical skills employed to manufacture chosen radio manufacture. - Evidence of quality assurance	Assessed in line with Section D NEA criteria
	Half-term		
	Final NEA project - Section A: Identify & investigate design possibilities	- Students identify their own contextual challenge. - Primary and secondary research identified, and range of strategies employed for chosen context. - Design Brief & Specification considered.	Assessed in line with Section A/B NEA criteria



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	CONTENT	KEY/FUNDAMENTAL CONCEPTS	ASSESSMENT
Autumn Term	Final NEA project - Section B: Producing a design brief and specification. - Section C: Development of design proposals	- Produce a clearly stated design brief that addresses the needs of the intended user. - Formulate a fully detailed design specification informed by investigations. - Produce a range of innovative and original designs that fulfil the requirements of the Brief/Spec.	Assessed in line with Section B/C NEA criteria
	Half-term		
	- Section C: Development of design proposals - Section D: Development of Design Prototypes	- Produce a range of innovative and original designs that fulfil the requirements of the Brief/Spec. - Demonstrate practical skills to a high level, using all of the potential resources, tools, machinery & equipment available.	Assessed in line with Section C/D NEA criteria
Christmas Holiday			
Spring Term	- Section C: Development of design proposals - Section D: Development of Design Prototypes	- Produce a range of innovative and original designs that fulfil the requirements of the Brief/Spec. - Demonstrate practical skills to a high level, using all of the potential resources,	Assessed in line with Section C/D NEA criteria

		tools, machinery & equipment available.	
	Half-term		
	<ul style="list-style-type: none"> - Section D: Development of Design Prototypes - Section E: Analysing & evaluating 	<ul style="list-style-type: none"> - Demonstrate practical skills to a high level, using all of the potential resources, tools, machinery & equipment available. - Comprehensive evaluation of manufactured prototype, taking into account third party testing (evidence of evaluation should also be present throughout the NEA) 	Assessed in line with Section D/E NEA criteria
	Easter Holiday		
Summer Term	<ul style="list-style-type: none"> - Final mark submission to AQA 14th May each examination year. 		
	Half-term		