



Key Stage 4 Curriculum Information

Product Design: Subject Overview

Qualification		BTEC Tech Award in Art and Design – Product Design
Exam Board		Pearson (BTEC)
Course Leader		matthew.clarke@bulwellacademy.org.uk
Course summary	Pupils will develop a range of research, drawing and practical skills to give them a thorough understanding of the world of product design. Pupils will look at different styles of drawing and a number of scenarios where they will design the most appropriate response.	
What will students learn?	<p>Year 10:</p> <p>Throughout their first year, learners will be looking at the foundations of design in preparation for Component 1: Creative Practice in Art and Design (60%) and Component 2: Responding to a Brief (40%). They will work on a selection of tasks and workshops, covering a wide range of skills and ideas development including, but not limited to – the history and foundations of design, artist/designer research, observational and original freehand and technical drawing, practical work, digital design, photography and much more. To give pupils further experience, we will also go on educational visits and make links with external providers within the industry where possible and relevant. Pupils will be provided with research folders, sketchbooks and a presentation folder, in which they must present their final project (along with practical work), ensuring they display their work in a clear, professional manner.</p> <p>Term 1 to 3: Preparation for Component 1: Creative Practice in Art and Design (60%) and Component 2: Responding to a Brief (40%)</p> <p>Year 11:</p> <p>Learners will produce work for a mock brief, following the structure of Component 1. This will all build upon the skills and knowledge developed during Year 10.</p> <p>The awarding body will then provide the Component 1 brief, which pupils must complete working on in the allocated time. This will include research, preparation, following the design process and final pieces.</p> <p>Building upon this further, the awarding body will provide learners with a new client brief (Component 2), to which they must respond by demonstrating a clear understanding of client needs. They will work through development and review stages, before then undertaking 20 hours of supervised assessment in May/June of their final year.</p> <p>Term 1: Preparation for and completion of Component 1: Creative Practice in Art and Design.</p> <p>Term 2 and 3: Preparation for and completion Component 2: Responding to a Brief, which is released in January.</p>	
How will students be assessed?	<p>Year 10: Informal assessments on a range of tasks. All work will be marked against the Component 1 mark scheme in order to give realistic results and targets.</p> <p>Year 11: The brief for component 1 will be broken down into set tasks, covering elements of each of the components. Pupils will then have worked internally assessed at the end of the completion of all tasks.</p> <p>Pupils will work through development and review stages for Component 2, before then undertaking 20 hours of supervised assessment in May/June of their final year. This will be assessed externally. Pupils will receive a final grade of Level 1 Pass – Level 2 Distinction.</p>	
Career Progression	Product design would be a good foundation for: studying a variety of courses including A-Levels or equivalent or specialist level 3 qualifications in product or graphic design. Further progression to University for degrees such as product design, engineering or graphics.	



Year 10 Product Design

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	<p>COMPONENT 1 PREPARATION:</p> <p>Have an understanding of the history of design through the study of various movements, styles and practitioners</p>	<p>COMPONENT 1 PREPARATION:</p> <p>Produce a range of research and develop drawing skills based on Component 1 criteria</p>	<p>COMPONENT 1: PREPARATION PRACTICAL</p> <p>To develop a large selection of practical skills whilst following the iterative design process.</p> <p>This will be delivered and assessed synoptically, with interweaving knowledge and skills to be covered where necessary and relevant.</p> <p>This will also involve the organisation and presentation of practical work (using photography and PowerPoint portfolio presentation)</p>			
Knowledge Covered	<p>An understanding of design history, looking at a range of styles, techniques, skills and methods used throughout time.</p>	<ul style="list-style-type: none"> Develop primary and secondary research skills. Explore a range of drawing skills and techniques. Gain a greater understanding of the iterative design process 	<p>Know – The importance of USPs, the work of key architects, interior designers and movements.</p> <p>Be able to - use knowledge gained to confidently produce relevant research</p> <p>Demonstrate - primary and secondary research skills; drawing skills</p> <p>Understand –the purpose and function of research</p>	<p>Know – How to produce architectural drawings inspired by research</p> <p>Be able to - identify how to improve designing knowledge with additional practice</p> <p>Demonstrate – practical drawing and model making skills</p> <p>Understand – the importance of research and the iterative design process</p>	<p>Know - Client wants/needs and clear USP/architect inspiration</p> <p>Understand – how & why different techniques and skills are used for various elements of design</p> <p>Demonstrate - precision/accuracy and practical skills to produce ideas relevant to the brief and requirements</p> <p>Demonstrate – Some specialist knowledge and skills of various drawing and design techniques</p>	<p>Know – How to organise time and present work clearly</p> <p>Understand – various practical techniques and methods of organising and logging work and progress</p> <p>Demonstrate – Confidence, clarity and accuracy through production of final models and portfolio presentation</p>
Online Resources	<ul style="list-style-type: none"> GCSEpod Dezeen.com https://www.universolorlando.com/web/en/us 					



Year **11** Product Design

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer	
Topic	COMPONENT 1: Creative Practice in Art and Design Brief title: Pearson set assignment Develop portfolio work (research, development of ideas and practical) in line with the set brief)		COMPONENT 2: Responding to a Brief Brief title: Pearson set assignment Develop initial research and ideas inspired by and relating directly to the provided brief and requirements		COMPONENT 3: Responding to a Client Brief (20 hours supervised examination period) Brief title: To be provided by exam board Applying research, ideas generation and practical skills in the constraints of a brief	
Knowledge Covered	Know – How to organise time and present work clearly Understand – various practical techniques and methods of organising and logging work and progress= Demonstrate – Confidence, clarity and accuracy through production of final models and portfolio presentation		Know – gaps in practical skills. Be able to - identify how to improve practical skills with additional practise. Demonstrate - methodical way of working to improve quality of practical outcomes Understand - the properties/tolerance/function of selected materials to work with increased confidence.		External Examination	
Online Resources	<ul style="list-style-type: none"> • GCSEpod • Dezeen.com • Archisoup.com • Various skills-based tutorials personalised for the given brief/task set by exam board 					