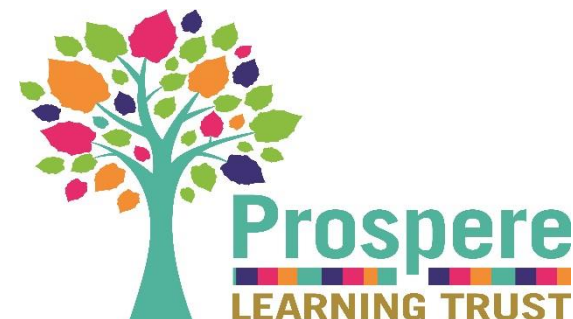


Design and Technology (GCSE)



The areas of development are:	Solutions
<u>Design and Technology</u>	
<ul style="list-style-type: none"> demonstrating the ability to investigate and gather research to inform design proposals 	<ul style="list-style-type: none"> Collins AQA GCSE 9-1 Revision guide: Design and Technology: Research and investigation pages 22 BBC Bitesize: Investigating
<ul style="list-style-type: none"> developing realistic design proposals as a result of the exploration of design opportunities and users' needs, wants and values 	<ul style="list-style-type: none"> Collins AQA GCSE 9-1 Revision guide: Design and Technology: Briefs and specification pages 24-25 further information and support can be found on the BBC Bitesize website AQA Design and Technology
<ul style="list-style-type: none"> being able to use imagination and experimentation, as well as combine ideas when designing 	<ul style="list-style-type: none"> Collins AQA GCSE 9-1 Revision guide: Design and Technology: Exploring and developing ideas pages 26-27 GCSE Product Design website
<ul style="list-style-type: none"> developing the skills to critique and refine ideas 	<ul style="list-style-type: none"> further information and support can be found on the Technology Student website
<ul style="list-style-type: none"> communicating design ideas and decisions, as appropriate for different audiences at key points in the designing process 	<ul style="list-style-type: none"> Collins AQA GCSE 9-1 Revision guide: Design and Technology: Communication of ideas pages 28-31 Technology student website BBC Bitesize: Material categories and properties
<ul style="list-style-type: none"> developing decision making skills, including the planning and organisation of time and resources when managing project work 	<ul style="list-style-type: none"> further information and support can be found on the BBC Bitesize website AQA Design and Technology
<ul style="list-style-type: none"> demonstrating a broad knowledge of materials, components and technologies 	<ul style="list-style-type: none"> PG AQA GCSE 9-1 Design and Technology course book sources and origins chapter 5 Technology student website

	<ul style="list-style-type: none"> • BBC Bitesize: Material categories and properties
<ul style="list-style-type: none"> • being ambitious, open to explore and take design risks in order to develop design proposals, avoiding clichéd or stereotypical responses 	<ul style="list-style-type: none"> • use the resources from your class teacher • Technology student website
<ul style="list-style-type: none"> • considering the costs, commercial viability and marketing of products 	<ul style="list-style-type: none"> • further information and support can be found on the BBC Bitesize website AQA Design and Technology
<ul style="list-style-type: none"> • demonstrating an understanding of safe working practices in design and technology 	<ul style="list-style-type: none"> • further information and support can be found on the BBC Bitesize website AQA Design and Technology
<ul style="list-style-type: none"> • being able to use and understand key design and technology terminology 	<ul style="list-style-type: none"> • use the AQA Website and the resources from your class teacher to develop your understanding of the key terminology used
<ul style="list-style-type: none"> • demonstrating an understanding of key topics surrounding environmental, social and economic challenge 	<ul style="list-style-type: none"> • further information and support can be found on the BBC bitesize website AQA Design and Technology • Study Rocket website
<ul style="list-style-type: none"> • demonstrating a working understanding of influence in design specially the work of other designers and companies 	<ul style="list-style-type: none"> • PG AQA GCSE 9-1 Design and Technology course book: The work of others page 245 • Study Rocket website
<ul style="list-style-type: none"> • demonstrating a working knowledge of different design strategies 	<ul style="list-style-type: none"> • PG AQA GCSE 9-1 Design and Technology course book: Design strategies page 254 • BBC Bitesize: Design strategies
<ul style="list-style-type: none"> • demonstrating, an understanding of prototypes and how they respond to client wants and needs 	<ul style="list-style-type: none"> • Collins AQA GCSE 9-1 Revision guide: Design and Technology: Prototype development pages 34-35 • BBC Bitesize: Evaluating
<ul style="list-style-type: none"> • demonstrating a working knowledge of material selection, components, and material management 	<ul style="list-style-type: none"> • Collins AQA GCSE 9-1 Revision guide: Design and Technology: Materials pages 60-76 • Study Rocket website
<ul style="list-style-type: none"> • demonstrating, as well as applying, knowledge and understanding of specialist tools and equipment 	<ul style="list-style-type: none"> • Collins AQA GCSE 9-1 Revision guide: Design and Technology: Manufacturing Materials pages 93-107 • BBC Bitesize: Specialist technical principles
<ul style="list-style-type: none"> • demonstrating, as well as applying, knowledge and understanding of specialist techniques and processes 	<ul style="list-style-type: none"> • Collins AQA GCSE 9-1 Revision guide: Design and Technology: Working with materials pages 80-81 • Study Rocket website

<ul style="list-style-type: none"> demonstrating a strong approach to assessment questions and providing a suitable level of response using command words written within a question 	<ul style="list-style-type: none"> use the resources provided by your class teacher with past exam questions Revision world website
<ul style="list-style-type: none"> demonstrating an understanding of modern, smart materials and technical textiles 	<ul style="list-style-type: none"> PG AQA GCSE 9-1 Design and Technology course book: Energy, materials, systems and devices pages 43-55 Study Rocket website
<ul style="list-style-type: none"> demonstrating and understanding of energy storage and generation 	<ul style="list-style-type: none"> Collins AQA GCSE 9-1 Revision guide: Design and Technology: Energy storage and generation pages 46-47 BBC Bitesize: Energy generation and storage

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