




Year 9 DESIGN TECHNOLOGY

Key Learning		Pre-Exposure Tasks	Linked Fiction
Autumn 1	<p>Pegboard Organiser</p> <p>Develop a multifunctional piece of furniture that can help improve the organisation of a person's life focussing on a range of fabrication methods including carcass construction and CAD design. Design ideas and create models based on prior research and knowledge into manufacturing processes and materials available.</p> <p>Pegboard Organiser: Final design and Planning for Manufacture</p>	<p>Gears and Levers Forces and Motion Physics FuseSchool</p> <p>Find out what the term 'kinetic' means.</p> <p>Homemade Pinball Machine</p> <p>Watch the clip on the workings of a wooden pinball machine and identify which mechanisms and movements are involved. Are there any ideas from this item you may wish to develop for your product?</p>	 <p>Wildspark Vashti Hardy</p>
Autumn 2	<p>Continue to research and develop a desktop organiser based on 'Postmodernist' and 'Memphis Design'. Learn about creating a manufacturing specification with parts diagram, cutting list and working drawing. Trial a 1:1 model before ordering materials and beginning manufacture. Complete a manufacturing diary to record tools, skills and next steps.</p>	<p>Good design About us Vitsoe</p> <p>What is good design? Explain who Dieter Rams is. Summarise the 10 principles of good design.</p>	
Spring 1	<p>Pop-Up Graphic Product: Research and Mechanical Development</p> <p>Explore books and greeting cards that contain movement. Design and make either a book or a series of at least four greeting cards containing kinetic spreads. Create an A5 size book either in landscape or portrait format or create packaged greeting cards with envelopes of an appropriate size ready for sale.</p>	<p>Is Bamboo the Most Sustainable Material?</p> <p>Consider bamboo as a material: make notes on how it is a 'super material' and can be considered the most sustainable material on the planet.</p> <p>Minimising waste - Making - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize</p> <p>Watch and make notes on how to minimise waste.</p>	 <p>Evil Machines Terry Jones</p>
Spring 2	<p>Pop-Up Graphic Product: Planning and Manufacture</p> <p>Design, develop and manufacture. Carry out tests, checks and modifications. Consider story boards and image development matching appropriate mechanisms. Use 'Illustrator' or 'Photoshop' for the graphics.</p>		
Summer 1	<p>Graphic Decal based on Typography and Personal Identify</p> <p>Research and analyse the work of successful illustrators who have developed highly creative, decorative fonts and lettering. Design and present a range of ideas for a vinyl sticker decal of a word or name, where the meaning of the word and lettering is combined with imagery.</p>	<p>Watch this TED lecture on the fascinating world of TYPE:</p> <p>Matthew Carter: My life in typefaces</p>	
Summer 2			<p>Fire Colour One Jenny Valentine</p>