

Subject Design Technology

	Term 1	Term 2	Term 3	Notes
Year 7	<p>Textiles Fabrics and Fibres Basic safety skills, use of the sewing machine and hand skills. Introduction to Design Technology. Topic also includes product analysis and product development. Fashion and branding covered in relation to theme. Child safety, regulations and packaging. Landfill sites/Primark effect also covered. Fabrics and fibres and fabric construction are also explored in detail.</p>	<p>Resistant Materials Plastic/Wood The power of branding, importance of customer and corporate identity. Students cover workshop safety; develop skills using tools and equipment in the workshop. Vacuum forming and batch manufacture. Recycling and use of basic material areas plastic and wood covered across a variety of focused practical tasks.</p>	<p>Paper/Card This term focuses on the material areas paper and card. The properties and functions of the end product and the environmental aspects connected with this material area. Students develop their knowledge and understanding of material areas and take part in a wide variety of tasks using graphic design skills.</p>	<p>Material Areas The overarching theme for Year 7, in line with the new Design Technology Curriculum is a focus on material areas and the function and properties of them. Home learning reflects the course in Year 7 and the students will design and create a project, based on the corporate identity of a restaurant. Designing the layout and the graphics for Dino's Diner.</p>
Year 8	<p>Textiles Technology Case Students build on the knowledge and understanding they gained in Year 7 of fabrics and fibres and the machine skills by designing and making a Technology gadget cover using Science and Technology as the theme.</p>	<p>Resistant Materials Plastic/Wood The students continue to look in more depth at the material area. Students look at developing a product for a customer, focusing on client and target markets. This term the students will design and make a</p>	<p>Paper and Card The focus this year is designing and making a product for a client or target market. Students build on the knowledge and understanding of the material area and design and make a variety of outcomes based</p>	<p>Customer/Target Market Science and Technology The overall theme for this year is looking at customer/client needs and how products are</p>

		key ring from plastic using CAD/CAM.	around pop up cards using the theme 'celebrations' as their inspiration. The moral, social and environmental issues are explored in more depth this term.	designed with groups in mind. Ergonomics and anthropometrics as well as new and modern technologies are a focus this year. Home Learning focuses on SMART and Modern materials.
Year 9	Textiles Fashion and Design Students look at the history of fashion and the styles and influences linked to changes in History at that time. Students develop further their knowledge and understanding in the form of a practical outcome based on a wall hanging of a chosen decade.	Design Process/Iterative Design Students learn about the cyclic process of prototyping, testing and analysing products and how they feed into the design process. The students will focus on a design and make brief based on a case study: Trunki.	Visual Communication Students in this term will focus on visual communication in the form of: <ul style="list-style-type: none"> • Drawing and sketching • Using digital software • Colour theory • Publishing layout • Printing processes 	Design Process In all subject/materials areas the focus this year is the design process and within this the students will look at <ul style="list-style-type: none"> • Environmental issues • Human factors • Iterative design • Design for client needs • Branding and corporate identity. Home learning is linked with lessons taught alongside the above themes.