



Curriculum Summary Document

Year 7 – Design & Technology

Module/Unit of Learning	Taught During	What will students learn?	How does this help to build a broad and strong foundation?	Links to other Subjects
Designing to solve everyday problems	Autumn 1	<p>Students learn how to use a variety of subject specific tools and equipment and materials to make a pine picture frame.</p> <p>Students learn how to measure, mark and cut accurately using a range of hand and power tools.</p> <p>Students learn the properties of woods and their sustainable properties.</p>	<p>Students begin to gain knowledge about the different materials and equipment required for the National Curriculum and KS4.</p>	Geography/Science - sustainability and recycling, global impacts
Dumpy Doorstops	Autumn Term 2	<p>Students will learn how to design within a design brief/specification.</p> <p>Students will learn how to use specialist tools and techniques to create a quality product from felt.</p> <p>Students will learn how to use bondaweb, sewing machines and hand sewing techniques.</p> <p>Students will learn how to evaluate their work against the design specification.</p>	<p>Students gain knowledge about design specifications and how these inform their design outcomes.</p> <p>Students are encouraged to be creative and avoid stereotypical designs.</p>	Textiles, adapting designs.
Acrylic keyrings	Spring Term	<p>Students will learn about the properties, functions and use of polymers.</p> <p>They will learn how to cut, shape and finish materials as well as how to drill them safely.</p>	<p>Students begin to see the use of Design Technology in the world around them, and develop an awareness of how it permeates every aspect of our lives.</p> <p>Having this understanding as a strong foundation will really help students to then develop their understanding of design capabilities in future projects.</p>	Geography , Maths - (shapes)