Curriculum Summary Document

Year 7 – D & T

Remarkable Rockets and Fantastic Fans

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
LC1 – Remarkable Rockets	Autumn One	Students will be looking at how effective products have been designed based on successes of current products, as well as inspiration from the natural world, and making designs based on this.	This creates a common D & T language and secures the core knowledge and practical skills needed for annotation, design, and construction work throughout Key Stage 3.	Maths – fractions and measurements Science – forces English/Oracy – precise D & T vocabulary
	Autumn Two	Students will learn how to use a variety of hand and machine tools to help them construct a product in accordance with their design brief.		Maths – fractions and measurements Art – design and colour theory English/Oracy – precise D & T vocabulary
LC2 – Fantastic Fans	Spring One	Students will be looking at how different materials are used for different applications making designs based on this.	The unit broadens students' understanding of materials and processes while transferring existing knowledge to a new design and production task.	Maths – fractions and measurements Science – photosynthesis and tree growth in relation to timbers English/Oracy – precise D & T vocabulary
	Spring Two	Students will learn how to use a variety of hand tools and disk sander to help them construct a product in accordance with their design brief.		Maths – fractions and measurements Science – electric circuits English/Oracy – precise D & T vocabulary
	Summer One	Students will build on their knowledge of their design so that they are thinking about aesthetics and how the product functions.	Students will continue to develop design, material and tool knowledge through the designing and making of a USB	Maths – fractions and measurements Science – electric circuits English/Oracy – precise D & T vocabulary

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	Summer Two	Students will complete their USB fan and evaluate it against their design brief.	powered fan. Synthesising their skills learnt since September.	