

YEAR 7		Description	Levels covered	Skills & content covered
D&T				
AUTUMN	Textiles: Pugglies	Students are introduced to textile fibres and materials and where they come from. They will learn how fibres are turned into fabrics. Students will work with felt to design and make a soft toy. They will learn a variety of Textiles decorative and construction skills and techniques.	Levels3-7	Textiles fibres and Fabrics and embroidery/applique skills. Designing for specific target groups, products aimed at children, designing safe products.using electronics and LEDs
SPRING	RM: waterwheel	The water wheel project is an exploration into the exciting world of engineering. Students will learn about mechanisms, where they are used and for what purposes. This course is also an introduction for using the workshop tools and machinery and the importance of health and safety. They will design, make and test a scaled version of a waterwheel concentrating on efficiency and how much power can be produced.	Levels3-7	I can evaluate my product by testing it and finding ways of improving it. I can take other users views into account when designing I can show what I know about materials and how the material is best suited to the job I can demonstrate my knowledge of material sand techniques and their constraints when designing I can decide Criteria for my product and test ideas. I can appreciate the design of others and learn how it could improve my design i can show that my work is carefully made and i have paid attention to the quality of finish I can identify what is going well and what needs to be improved i can use a range of tools , materials ingredients equipment components and processes with some precision I can test and evaluate my products against the specification
SUMMER	GR: Pop ups	This project has been designed to provide an introduction to graphics and help create a foundation of skills for graphics. Students will use basic designing & modelling skills to design& develop a pop-up card. They will look at various mechanisms. And apply them to their own designs. Students will practice card engineering & using scalpels etc	Levels3-7	Students will practice hand drawn typography, drawing with & without templates, create dynamic mechanisms & card engineering. The students will follow the design process from research to designing & making there are opportunities for Isometric drawing and other techniques