

Churnet View Resistant materials		
Resistant materials	At Churnet View Middle school, resistant materials provides ALL learners with the opportunity to enjoy and realise success through their creative, practical, technical and artistic skills. Our aim is to provide opportunities to develop learners' capability and creativity skills with the aim of promoting curiosity and independent learning. The Design and Technology curriculum will equip the students with life and problem-solving skills. Students will design and make products that solve real and relevant problems, within a variety of contexts, considering their own and others' needs, wants and values.	
	By the end of year 6	By the end of year 8
	Our years 5 and 6 Key Stage 2 curriculum is based upon students understanding how to be safe in the workshop and develop an understanding of what the tools do and what they can be used for. Students will be taught how to plan the making of a product through annotated sketches, design and make small, simple yet effective products. They will learn the fundamentals of working with different materials such as wood, plastic and metals. Students will be taught to reflect and refine their work throughout the projects they complete.	Our years 7 and 8 Key Stage 3 curriculum is based upon students using their already acquired skills from Key Stage 2 to develop their creative, technical and practical skills to be able to work confidently and independently in an increasingly technical world. We aim for them to become responsible, competent, confident, safe and creative users of tools and equipment. By now their skills in reflecting and refining their work will be confident and assured. Throughout these 2 years students will acquire a broad range of subject knowledge and draw on additional disciplines such as mathematics, science, computing and art. These skills will equip them for the requirements of year 9 and GCSE resistant materials and product design.