

Alcester Academy Curriculum Planning: Key Stage 3

Department: <i>Design & Technology</i>							
Term	Topic/Subject	Assessment Objectives and Knowledge (include differentiation)	Knowledge Acquisition	Skill building Intent	Wider reading opportunities to include numeracy and SMSC	Final Assessment	SEND & PP Identify where access and learning is supported
Autumn 1	Food prep and nutrition – Packed lunch ideas.	<p>To understand the importance of food safety and hygiene.</p> <p>To understand how to prepare food correctly, safely and hygienically.</p> <p>To understand how to use the oven/hob/grill safely.</p> <p>How to correctly prepare, cook and store food to avoid illness.</p> <p>Hygiene and safety rules to be followed for practical lessons.</p> <p>How to work with a variety of equipment to produce different outcomes.</p>	Developing time management and planning a practical activity.	<p>Time management.</p> <p>Organisation.</p> <p>Preparing food safely and hygienically.</p> <p>Cleaning down after a practical lesson.</p>	<p>Key words highlighted each lesson.</p> <p>Looking at food nutrition.</p> <p>Careers in the food industry.</p> <p>Learning how to work independently to prepare food for them, something they will need to do for the rest of their lives.</p>	Products made in school including fruit salad, pizza bread, scones and pasta salad.	<p>Key words: Nutrients Nutrition Protein Carbohydrate Vitamins Minerals Hygiene Safety</p> <p>Recipe sheets printed on coloured paper as needed.</p>

Autumn 2	Food prep and nutrition.	<p>To understand food nutrition. (Continues in KS4 in more depth)</p> <p>To know how to create a balanced diet.</p> <p>Looking at the food groups and what nutrients our bodies need to survive.</p> <p>What a balanced diet looks like.</p>		<p>Selecting ingredients that complement each other.</p> <p>Time management.</p> <p>Evaluation.</p>	<p>Key words highlighted each lesson.</p>	<p>Portfolio of evidence in the form of a sketchbook.</p> <p>Practical elements.</p>	<p>Recipe sheets printed on coloured paper as needed.</p>
Spring 1	Textiles – school planner cover	<p>To understand the properties of cotton.</p> <p>To understand how to tie-dye fabric to achieve different patterns.</p>		<p>The origin of cotton and the properties of this fibre.</p> <p>Environmental concerns such as pollution surrounding the textiles industry. (Continues in KS4)</p> <p>‘Upcycling’ in order to reduce waste and give old products a new life.</p> <p>Techniques such as adding colour to fabric through printing/dyeing methods. Applique and machine embroidery. (Skills needed for KS4)</p>	<p>Key words highlighted each lesson.</p> <p>Quizzing sheet includes spellings for homework.</p> <p>Pupils learn about the design cycle within the textiles industry. We look at globalisation and how technology has helped this.</p> <p>Students look at the environmental impact of the textiles industry and solutions to improve this (picked up in more detail at KS4)</p> <p>‘Upcycling’ products in order to save waste is the key message</p>	<p>Quizzing homework tested weekly.</p>	<p>Key words: Denim Fabric Sewing machine Scissors Needle Sew Thread Stitch Bobbin Embroidery</p> <p>Quizzing sheet handout with key words and key information for the whole topic.</p>

					for students during this project. Looking at how to fix items that are broken instead of throwing them away is something they can continue to do into the future		
Spring 2	Textiles – school planner cover.	To know how to use a sewing machine independently and safely. To know how to make a lined pocket. To understand how to use decorative techniques such as applique.		Tie-dye/ applique and machine embroidery stitches – all decorative techniques that will be used. Threading a sewing machine including the top thread and bobbin. Creating a pattern piece for a pocket Correct use of the sewing machine. How to hem fabric and the purpose of this.	Key words highlighted each lesson. Quizzing sheet includes spellings for homework. Working independently to solve problems. Working independently to use machinery safely. Helping their peers with problem solving.	Quizzing homework tested weekly. Design work – sketch book. Practical piece - A personalised planner cover for the school diary completed to a high standard.	
Summer 1	Resistant materials – money box	To understand workshop safety rules. To understand how to use a variety of tools and equipment safely and correctly.		Look at a risk assessment and how these are used in industry. How to make a lap joint accurately and safely. Using a variety of tools including marking gauges,	Key words highlighted each lesson. Quizzing sheet includes spellings homework. Working independently to use tools and machinery safely.	Quizzing homework tested weekly. Sketchbook of evidence.	Key words: Marking gauge Try square Millimetres Bench hook Tenon saw Timber Width Depth Length Lap joint

				Tenon saws, try squares and bench hooks to produce a lap joint. <i>(Students will continue to use these tools in KS4)</i>	Helping their peers with problem solving.		Quizzing sheet handout with key words and key information for the whole topic.
Summer 2	Resistant materials – money box	To understand how to measure and mark out accurately using millimetres. To understand how to use 2D design to create a product. To understand how computer aided design is used in industry.		How to measure accurately and why we use millimetres in the work shop. How computers can aid design work and how these are used in industry. Use of 2D design to draw the front design for the moneybox.	Key words highlighted each lesson. Quizzing sheet includes spellings homework.	Practical work to be assessed.	

Last updated: 07.07.21 by WI