

Curriculum Outline 2023-24: DT

[This document summarises the content to be delivered over the course of the year. There will be some rotation of topics due to resourcing implications]

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 5	<p>Baseline assessment: Alessi Design and make a prototype of their own ALESSI inspired product, to assess pupils working level.</p> <p>Textiles: Bookmark / stocking Design and create a felt based product. Using basic sewing skills attaching materials together.</p>		<p>Food Technology Understanding and applying the EatWell guide. Introduction to food preparation while making mainly healthier choice snacks.</p>		<p>Resistant Materials: Pencil tides. Introduction to the workshop. Identifying potential hazards to have an understanding of health and safety implications. Design and make a pencil tidy using sawing, pillar drilling and sanding skills.</p>	
LITERACY	<p>Design ideas, spellings of key words. Practical logs. Peer feedback. Evaluation. Discussing key vocabulary.</p>		<p>Instructional writing for washing up. Using basic recipe / instruction sheets. Evaluations. Key vocabulary and definitions. Sensory analysis descriptors.</p>		<p>Identifying hazards in the workshop. Instructional writing. Verbal and written instructions. Explaining key terminology. Evaluation.</p>	
NUMERACY:	<p>Accurate measuring and cutting. Discussing 3D shapes</p>		<p>Discussion about 3D shapes linking to safety grips. Proportions linking to the EWG. Star diagrams.</p>		<p>Accurate measuring to saw / drill.</p>	
SMSC/Creativity/ Careers Focus	<p>Teamwork and problem solving skills using materials safely and effectively. Design and marketing jobs within Alessi. Design and create prototype.</p>		<p>Teamwork and problem solving skills. Design and make own sandwich using the EWG using ingredients and equipment safely and effectively. Food hygiene - Environmental health careers.</p>		<p>Using materials and equipment safely and effectively. Problem solving skills. Skills and jobs related to the task.</p>	

<p>Year 6</p>	<p>Engineering Looking at which shape(s) are strongest and why. Researching current designs. Applying this to their own design idea. Creating a bridge as a team that has to fall within a budget.</p>	<p>Textiles Look at emotions and their meaning and how we draw them. Design and create an emoji keyring. Recapping textiles skills from Y5 as well as having a go at needle felting.</p>	<p>Food Technology Noodle pots project. Looking at the advantages and disadvantages of noodle pots. Completing a range of sensory analysis. Designing and creating dried and fresh noodle pots - which one is better?</p>	<p>Graphics: Popup cards Research to inform own design idea and challenge level. Create own graphics card. Cutting, sticking, scoring, joining and manipulating cardboard.</p>
<p>LITERACY</p>	<p>Research, hats evaluations, design ideas (key vocabulary), overall evaluation.</p>	<p>Design ideas, practical logs, discussion, evaluation.</p>	<p>Reading, using and writing recipes. Advantages and disadvantages compare and contrast. Sensory analysis words. Evaluations.</p>	<p>Research, design ideas, using written instructions. Evaluation.</p>
<p>NUMERACY:</p>	<p>Shapes and their properties. Budgeting.</p>	<p>Measuring and cutting accurately.</p>	<p>Weighing and quantity of ingredients.</p>	<p>3D shapes, measuring, accuracy and symmetry.</p>
<p>SMSC/Creativity/ Careers Focus</p>	<p>Teamwork, problem solving skills. Design in a group. Job roles within group work. Discussion.</p>	<p>Problem solving skills, using materials safely and effectively. Design own. Chinese New Year focus.</p>	<p>Teamwork and problem solving skills, using equipment and ingredients safely and effectively. Design and make own products. Jobs linked to activities completed.</p>	<p>Problem solving skills using materials and equipment safely and effectively. Design and make own pop up card. Looking at bespoke card making as a career.</p>

<p>Year 7</p>	<p>Food Technology: Knife skills To refine basic knife skills from previous years. Theory around food waste, farming methods, the factors that affect the cost of foods and how nutrients work in the body.</p>	<p>Textiles: Anti Bullying What a bully is and how a textiles product could be used to support someone being bullied. Look into colour and emotion (building from Y6) choices and meanings. Design and create own cushion or mascot building upon previous skills striving for neat seams and professional finishes.</p>	<p>Resistant Materials: Sweet Dispensers Cup CAM toys Isometric drawing for design ideas. Demonstrate safe use of tools and equipment. Use of different saws, pillar drill, hand drill and other hand held tools. To accurately shape and finish materials. Carrying out quality control checks</p>
<p>Extended Literacy opportunities:</p>	<p>Following instructions and recipes. Evaluations. Creating a balanced argument using evidence.</p>	<p>Colour associations. Design ideas, practical logs, feedback and evaluations. Definitions.</p>	<p>Following written instructions. Definitions, evaluations.</p>
<p>NUMERACY:</p>	<p>3D shapes in relation to knife safety grips. Size / surface area. Timing.</p>	<p>3D shapes (seams) nets / templates. Measuring and accuracy. Symmetry.</p>	<p>3D shapes and isometric drawing. Discussing properties. Measuring and accuracy. Using equipment such as set squares for angles and gage. Problem solving.</p>
<p>SMSC/Creativity/ Careers Focus</p>	<p>Teamwork and problem solving skills, using ingredients and equipment safely and effectively. Dedicated careers lesson. Design and make own product.</p>	<p>Problem solving skills, using materials and equipment safely and effectively. Anti-bullying. Design and make own product.</p>	<p>Problem solving skills, using materials and equipment safely and effectively. Design and make own products.</p>

<p>Year 8</p>	<p>Food Technology: Carbohydrates To look closely at how carbohydrates work in the body (building upon last year). Demonstrating the skills required to create a range of baked carbohydrate based products. To identify the function of ingredients and modify recipes. Identify the function of the ingredients within the recipe.</p>	<p>Textiles Techniques Look at wool as a material from a raw material to yarn. Try spinning and dyeing. Then looking at African Kente weaving patterns to weave small decorative panels.</p>	<p>Resistant Materials / Electronics: LED door signs To design and make own electronic door sign. Recap and refine use of a coping saw to shape wood and sanding to refine the product. To solder a circuit board. To heat mould acrylic and assemble parts.</p>
<p>Extended Literacy opportunities:</p>	<p>Recipe reading and adaption. Discussion. Definitions of key words.</p>	<p>Research, practical logs and evaluations. Definitions of key words.</p>	<p>Design ideas, name and role of components.</p>
<p>NUMERACY:</p>	<p>Weighing, measuring, role of ingredients and their quantities. Scaling recipes. Timing.</p>	<p>Weaving, patterns and problem solving.</p>	<p>Accuracy, measuring and problem solving.</p>
<p>SMSC/Creativity/ Careers Focus</p>	<p>Team work and problem solving skills, using ingredients and equipment safely and effectively. Diabetes myth busting. Design and make own products. Careers linked to activities completed, e.g, nutritionist when looking at diets.</p>	<p>Problem solving skills. Jobs involving the specific techniques covered. Design and make own product.</p>	<p>Problem solving skills, using materials and equipment safely and effectively. Design and make own product. Careers surrounding the activities.</p>