



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Design	<ul style="list-style-type: none"> ➤ Discuss product purpose and audience. ➤ Discuss detailed design ideas. ➤ Create drawings of ideas and template. 	<ul style="list-style-type: none"> ➤ Use design criteria to develop ideas. ➤ Make prototypes of design and evaluate. ➤ Research and generate ideas from own experiences. ➤ Use IT to aid design process. 	<ul style="list-style-type: none"> ➤ Discuss and refine ideas. ➤ Annotated sketches record ideas. ➤ Generate realistic designs with project, purpose and audience in mind. ➤ Describe, in detail, the functions of their project. 	<ul style="list-style-type: none"> ➤ Create proto-types and pattern pieces. ➤ Develop design criteria. ➤ Consider user interest in design. ➤ Account for resources when generating ideas. ➤ Cross-sectional drawings and exploded diagrams record ideas. 	<ul style="list-style-type: none"> ➤ Begin to use CAD in design process. ➤ Generate innovative designs from research. ➤ Carry out questionnaires and web research. ➤ Consider specific preferences of audience. 	<ul style="list-style-type: none"> ➤ Use CAD in design process. ➤ Make informed decisions (account of time, resources and cost). ➤ Carry out survey and interview research. ➤ Develop design specification.
Making	<ul style="list-style-type: none"> ➤ Follow hygiene and safety procedures. ➤ Measure, mark-out, cut and shape. ➤ Assemble, join and combine. ➤ Select tools and materials with reason. 	<ul style="list-style-type: none"> ➤ Use construction materials, textiles, food and mechanical components. ➤ Use finishing techniques (learned in A&D). ➤ Plan by suggesting what to do next. 	<ul style="list-style-type: none"> ➤ Order main stages of making. ➤ Measure, cut and mark out; assemble, join and combine with accuracy. ➤ Follow hygiene and safety practices. 	<ul style="list-style-type: none"> ➤ Apply a range of finishing techniques. ➤ Widen experience of tools and materials. ➤ Reason explicitly choice of materials and tools. 	<ul style="list-style-type: none"> ➤ Select tools and materials for specific properties and aesthetics. ➤ Produce tool, equipment and material lists. ➤ Form step-by-step plan. 	<ul style="list-style-type: none"> ➤ Explain in detail decisions made in selecting tools and materials. ➤ Demonstrate practical skills and techniques with increasing accuracy. ➤ Form detailed step-by-step plan.
Evaluating	<ul style="list-style-type: none"> ➤ Discuss design ideas making judgements relating to design criteria. ➤ Explore existing products. 	<ul style="list-style-type: none"> ➤ Suggest improvements. ➤ Explore existing products. ➤ Discuss design ideas in process. 	<ul style="list-style-type: none"> ➤ Identify strengths and AfD. ➤ Explore key persons of D & T. 	<ul style="list-style-type: none"> ➤ Investigate and analyse existing products. ➤ Refer to design criteria in making and evaluating. 	<ul style="list-style-type: none"> ➤ Consider views of others. ➤ Critically evaluate. 	<ul style="list-style-type: none"> ➤ Evaluate ideas against initial specifications.

<p>Technical Knowledge</p>	<ul style="list-style-type: none"> ➤ Understand characteristics of materials and components. ➤ Explore levers, sliders, wheels and axels. ➤ Experiment with making freestanding structures stiffer, stronger and stable. ➤ Create 3D textile product from a 2D shape. ➤ Combining ingredients taking account of sensory characteristics. ➤ Using correct vocabulary. 	<ul style="list-style-type: none"> ➤ Explore mechanical systems to create movement. ➤ Experiment with simple electrical circuits for functional products. ➤ Programme computers to control products. ➤ Make strong, stiff shell structures. ➤ Use fabric shapes to make a 3D product. ➤ Experiment with fresh, pre-cooked and processed foods. 	<ul style="list-style-type: none"> ➤ Explore mechanical systems. ➤ Experiment with complex electrical circuits to create functional products. ➤ Programme computers to monitor changes and control products. ➤ Reinforce and strengthen frameworks. ➤ Use fabric shapes to create a 3D product. <p>Adapt recipes making substitutions and changes.</p>
<p>Cooking and Nutrition</p>	<ul style="list-style-type: none"> ➤ Name and sort foods into the 5 groups. ➤ Understand 5-a-day recommendations. ➤ Prepare dishes safely and hygienically without heat source. ➤ Use techniques including: cutting, peeling and grating. ➤ Recognise that food comes from plants or animals. ➤ Understand how food is sourced (farming or grown in garden etc). 	<ul style="list-style-type: none"> ➤ Know that food is grown, reared or caught in the UK and across the world. ➤ Understand what makes a healthy diet (balance). Refer to the Eatwell Guide. ➤ Understand how to keep healthy and active (food and drink provide energy). ➤ Prepare and cook a variety of dishes safely and hygienically and on a heat source. ➤ Use a range of techniques including peeling, chopping, slicing, grating, mixing, spreading, kneading and baking. 	<ul style="list-style-type: none"> ➤ Demonstrate refined use of techniques including peeling, chopping, slicing, grating, mixing, spreading, kneading and baking. ➤ Understand how recipes can be adapted to alter the taste, appearance, texture and aroma. ➤ Recognise that food and drink include different substances. ➤ Explore how seasons affect availability of foods.