



Progression Grid

Design and Technology

2023-2024

Skills	EYFS	Year 1	Year 2	Year 3
Design	<ul style="list-style-type: none"> Select appropriate resources Use gestures, talking and arrangements of materials and components to show design Use language of designing and making. Join, build, shape, longer, smaller, big, shorter, heavier, lighter. 	<ul style="list-style-type: none"> Have own ideas. Explain what I want to do. Explain what my product is for, and how it will work. Use pictures and words to plan, begin to use models. Design a product for myself following a criterion. Research similar existing products. 	<ul style="list-style-type: none"> Have own ideas and plan what to do next. Explain what I want to do and describe how I may do it. Explain the purpose of the product, how it will work and how it will be suitable for the user. Describe design using pictures word, models, diagrams, begin to use ICT. Design products for myself and others following a design criterion. Choose the best tools and materials and explain choices. Use knowledge of existing products to produce ideas. 	<ul style="list-style-type: none"> Begin to research others' needs. Show design meets range of requirements. Describe purpose of the product. Follow a given design criteria Have at least 1 idea about how to create a product. Create a plan which shows order, equipment, tools. Describe design using an accurately labelled sketch and words. Make design decisions. Explain how product will work Make a prototype. Begin to use computers to show design.
Make	<ul style="list-style-type: none"> Construct with a purpose, using a variety of resources. Use simple tools and techniques. Build/construct with a wide range of objects. Select tools and techniques to shape, join, assemble. Replicate structures with materials/components. Discuss how to make an activity safe and hygienic. 	<ul style="list-style-type: none"> Explain what I am making and why. Consider what I need to do next. Select tools/equipment to cut, join, shape and finish and explain my choices. Measure, mark out, cut and shape with support. Choose suitable materials and explain choices. Try to use finishing techniques to make product look good. 	<ul style="list-style-type: none"> Explain what I am making and why it fits the purpose. Make suggestions as to what I need to do next. Join materials/components together in different ways. Measure, mark out and cut and shape materials and components with support. Describe which components I'm using and why. Choose suitable materials and explain choices depending on characteristics. 	<ul style="list-style-type: none"> Select suitable tools, equipment, explain choices and begin to use them accurately. Work through a plan in a logical order. Consider how good a product will be. Begin to measure mark out and shape and cut a variety of materials or components with some accuracy. Begin to assemble join and combine materials and

Subject Lead: Miss Emmott



Progression Grid

Design and Technology

2023-2024

	<ul style="list-style-type: none"> Record experiences by drawing, writing or voice recording. Understand different media can be combined for a purpose. 	<ul style="list-style-type: none"> Work in a safe and hygienic manner. 	<ul style="list-style-type: none"> Use finishing techniques to make the product look good. Work safely and hygienically. 	<ul style="list-style-type: none"> components with some accuracy. Apply a range of finishing techniques with some accuracy.
Evaluate	<ul style="list-style-type: none"> Adapt work if necessary. Dismantle, examine, talk about existing objects/structures. Consider and manage some risks. Practise some appropriate safety measures independently. Talk about how things work. Look at similarities and differences between existing objects/materials/tools. Shown an interest in technological toys. Describe textures. 	<ul style="list-style-type: none"> Talk about my work, linking it to what I was asked to do. Talk about existing products and say what is and isn't good. Talk about things that other people have made. Begin to talk about what could make the product better. 	<ul style="list-style-type: none"> Describe what went well, think about the design criteria Talk about existing products and consider <i>use, materials, how the product works, audience designed for, where they can be used, express their own opinion.</i> Evaluate how good existing products are. Talk about what I would do differently next time if I made it again. 	<ul style="list-style-type: none"> Evaluate the quality of the design while designing and making. Evaluate ideas and finished product against specification considering purpose and appearance. Test and evaluate the final product. Evaluate and discuss existing products, considering how well they've been made, materials, whether they work, how they have been made, fit for purpose. Evaluate how much products cost to make and research how sustainable materials are. Talk about some key inventors, engineers, chefs, manufacturers products.



Progression Grid

Design and Technology

2023-2024

Skills	Year 4	Year 5	Year 6
Design	<ul style="list-style-type: none"> • Use research for design ideas. • Show design meets a range of requirements and is fit for purpose. • Begin to create own design criteria. • Have at least 1 idea about how to create a product and suggest improvements for design. • Produce a plan and explain it to others. • Discuss how realistic the plan is. • Include an annotated sketch. • Make and explain design decisions considering the availability of resources. • Explain how the product will work. • Make a prototype. • Begin to use computers to show design. 	<ul style="list-style-type: none"> • Use internet and questionnaires for research and design ideas. • Take a user's view into account when designing. • Begin to consider the needs and wants of individuals/groups when designing and ensure product is fit for purpose. • Create own design criteria. • Have a range of ideas. • Produce a real and logical plan and explain it to others. • Use cross sectional planning and annotated sketches. • Make design decisions and consider time and resources available. • Clearly explain how parts of the product will work. • Model and refine design ideas by making prototypes. • Using pattern pieces. • Use computer aided designs. 	<ul style="list-style-type: none"> • Draw on market research to inform the design. • Use research of user's individual needs, wants, and requirements for design that will appeal to the intended user. • Create own design criteria and specification. • Come up with innovative design ideas. • Follow and refine a logical plan. • Use annotated sketches, plans, cross sectional planning and exploded diagrams. • Make design decisions, consider resources and cost. • Clearly explain how parts work and how they are fit for the purpose. • Independently model and refine the design ideas by making prototypes using pattern pieces. • Use computer aided designs.
Make	<ul style="list-style-type: none"> • Select suitable tools/equipment, explain choices: begin to use them accurately. • Select appropriate materials, fit for purpose. • Work through the plan. • Realise if the product will be good quality. • Measure, mark out, cut and shape materials and components with some accuracy. 	<ul style="list-style-type: none"> • Use selected tools and equipment with a good level of precision. • Produce suitable lists of tools, equipment, materials needed. • Select appropriate materials, fit for purpose, explain choices considering functionality. • Create and follow a step-by-step plan • Explain how their produce will appeal to an audience. • Mainly accurately measure, mark out, cut and shape materials and components. 	<ul style="list-style-type: none"> • Use selected tools and equipment precisely. • Produce suitable lists of tools, equipment, materials needed, consider constraints. • Select appropriate materials, fit for purpose, explain choices, consider functionality and aesthetics. • Create, follows, and adapt detailed step by step plans.

Subject Lead: Miss Emmott



Progression Grid

Design and Technology

2023-2024

	<ul style="list-style-type: none"> • Begin to assemble, join and combine materials and components with some accuracy. • Apply a range of finishing techniques. 	<ul style="list-style-type: none"> • Mainly accurately assemble, join and combine materials and components. • Mainly accurately apply a range of finishing techniques. • Use techniques that use arrange of small steps. • Begin to be resourceful with practical problems. 	<ul style="list-style-type: none"> • Explain how the product will appeal to an audience, make changes to improve quality. • Accurately mark out, cut and shape material and components. • Accurately apply a range of finishing techniques. • Use techniques that follow a number of steps. • Be resourceful with practical problems.
Evaluate	<ul style="list-style-type: none"> • Refer to design criteria while designing and making. • Use criteria to evaluate product. • Begin to explain how I could improve the original design. • Evaluate existing products considering how well they have been made, materials used, whether they work correctly, how have they been made and fit for purpose. • Discuss by whom and when and where products were designed. • Research whether products can be recycled or reused. • Know about some, inventors, designer, engineers, chefs manufacturers of products. 	<ul style="list-style-type: none"> • Evaluate the quality of the design while designing and making • Evaluate ideas and finished product against specification considering purpose and appearance • Test and evaluate the final product • Evaluate and discuss products, considering how well they've been made, use of materials, whether they work, how they have been made, fit for purpose. • Evaluate how much products cost to make and research how sustainable materials are. • Talk about some key inventors, engineers, chefs, manufacturers of products. 	<ul style="list-style-type: none"> • Evaluate quality of design while designing and making: fit for purpose? • Keep checking the design, can it be adapted or tweaked. • Evaluate design and finished product against the specification, stating if it is for for purpose. • Test and evaluate the final product. Explain what would improve it and the effect different resources may have had. • Do a thorough evaluation of existing products and consider how well they have been made, materials, whether they work, how they've been made, fit for purpose. • Evaluate how much products cost to make and how innovative they are.

Subject Lead: Miss Emmott