LKS2 DT Units					
Design	Use annotated sketches and cross-sectional drawings to develop and communicate their ideas. When designing, explore different initial ideas before coming up with a final design. Develop and follow simple design criteria. Work in a broader range of relevant contexts, for example entertainment, home, school, leisure, food industry and wider environment.	Identify the design features of their products that will appeal to intended customers. Use their knowledge of a broad range of existing products to help generate their ideas. Design innovative and appealing products that have a clear purpose and are aimed at a specific user. When designing, explore different initial ideas before coming up with a final design. Test ideas out through using prototypes. Work in a broader range of relevant contexts, for example entertainment, home, school, leisure, food industry and wider environment.	Design innovative and appealing products that have a clear purpose and are aimed at a specific user. Use annotated sketches and cross-sectional drawings to develop and communicate their ideas. Develop and follow simple design criteria. Work in a broader range of relevant contexts, for example entertainment, home, school, leisure, food industry and wider environment.	Identify the design features of their products that will appeal to intended customers. Use their knowledge of a broad range of existing products to help generate their ideas. Explain how particular parts of a product work. Use annotated sketches and cross-sectional drawings to develop and communicate their ideas. When planning, start to explain their choices of materials and components including function and aesthetics. Test ideas out through using prototypes. Develop and follow simple design criteria. Work in a broader range of relevant contexts, for example entertainment, home, school, leisure, food industry and wider environment.	Identify the design features of their products that will appeal to intended customers. Use their knowledge of a broad range of existing products to help generate their ideas. Use annotated sketches and cross-sectional drawings to develop and communicate their ideas. Develop and follow simple design criteria.
Make	With growing confidence, carefully select from a range of tools and equipment, explaining their choices. Learn to use a range of tools and equipment safely, appropriately and accurately and learn to follow hygiene procedures. Cut, shape and score materials with some degree of accuracy.	With growing confidence, carefully select from a range of tools and equipment, explaining their choices. Select from a range of materials and components according to their functional properties and aesthetic qualities. Learn to use a range of tools and equipment safely, appropriately and accurately. Use a wider range of materials and components, including construction materials and kits, textiles and mechanical and electrical components. Join textiles with an appropriate sewing technique. Begin to select and use different and appropriate finishing techniques to improve the appearance of a product such as hemming, tie-dye, fabric paints and digital graphics.	With growing confidence, carefully select from a range of tools and equipment, explaining their choices. Select from a range of materials and components according to their functional properties and aesthetic qualities. Learn to use a range of tools and equipment safely, appropriately and accurately. Use a wider range of materials and components, including construction materials and kits, textiles and mechanical and electrical components. Assemble, join and combine material and component with some degree of accuracy.	With growing confidence, carefully select from a range of tools and equipment, explaining their choices. Select from a range of materials and components according to their functional properties and aesthetic qualities. Learn to use a range of tools and equipment safely, appropriately and accurately. Use a wider range of materials and components, including construction materials and kits, textiles and mechanical and electrical components. Cut, shape and score materials with some degree of accuracy. Assemble, join and combine material and component with some degree of accuracy. Begin to select and use different and appropriate finishing techniques to improve the appearance of a product such as hemming, tie-dye, fabric paints and digital graphics.	With growing confidence, carefully select from a range of tools and equipment, explaining their choices. Select from a range of materials and components according to their functional properties and aesthetic qualities. Learn to use a range of tools and equipment safely, appropriately and accurately. Use a wider range of materials and components, including construction materials and kits, textiles and mechanical and electrical components. With growing independence, measure and mark out to the nearest cm and millimetre. Cut, shape and score materials with some degree of accuracy. Assemble, join and combine material and component with some degree of accuracy. Begin to select and use different and appropriate finishing techniques to improve the appearance of a product such as hemming, tie-dye, fabric paints and digital graphics.

LKS2 DT Units					
Evaluate	Explore and evaluate existing products, explaining the purpose of the product and whether it is designed well to meet the intended purpose. Explore what ingredients products are made from and suggest reasons for this. Consider their design criteria as they make progress and are willing to alter their plans, sometimes considering the views of othersif this helps them to improve their product. Evaluate their product against their original design criteria. Evaluate the key events, including technological developments, and designs of individuals in design and technology that have helped shape the world.	Consider their design criteria as they make progress and are willing to alter their plans, sometimes considering the views of othersif this helps them to improve their product. Evaluate their product against their original design criteria.	Evaluate their product against their original design criteria. Evaluate the key events, including technological developments, and designs of individuals in design and technology that have helped shape the world.	Explore and evaluate existing products, explaining the purpose of the product and whether it is designed well to meet the intended purpose. Consider their design criteria as they make progress and are willing to alter their plans, sometimes considering the views of othersif this helps them to improve their product. Evaluate their product against their original design criteria.	Explore and evaluate existing products, explaining the purpose of the product and whether it is designed well to meet the intended purpose. Explore what materials products are made from and suggest reasons for this. Consider their design criteria as they make progress and are willing to alter their plans, sometimes considering the views of othersif this helps them to improve their product. Evaluate their product against their original design criteria. Evaluate the key events, including technological developments, and designs of individuals in design and technology that have helped shape the world.
Technical Knowledge			Understand that materials have both functional properties and aesthetic qualities. Make and represent simple electrical circuits, such as a series and parallel, and components to create functional products.	Understand and demonstrate how mechanical and electrical systems have an input and output process. Explain how mechanical systems such as levers and linkages create movement. Use mechanical systems in their products.	Understand that materials have both functional properties and aesthetic qualities. Apply their understanding of how to strengthen, stiffen and reinforce more complex structures in order to create more useful characteristic of products.
Cooking & Nutrition					
	Understand how to prepare and cook a variety of predominantly savoury dishes safely and hygienically. Use a range of techniques such as measuring, whisking, crushing, grating, cutting, kneading and baking. Measure and weigh ingredients to the nearest gram and millilitre. Start to independently follow a recipe.	**Make:** With growing confidence, carefully select from a range of tools and equipment, explaining their choices. Learn to use a range of tools and equipment safely, appropriately and accurately and learn to follow hygiene procedures.	Start to know when, where and how food is grown 9 such as herbs, tomatoes and strawberries) in the UK, Europe and the wider world. Understand how to prepare and cook a variety of predominantly savoury dishes safely and hygienically. With support, use a heat source to cook ingredients showing awareness of the need to control the temperature of the hob and/or oven. Use a range of techniques such as measuring, whisking, crushing, grating, cutting, kneading and baking. Explain that a healthy diet is made up of a variety and balance of different food and drink, as represented in the Eatwell Guide and be able to apply these principles when planning and cooking dishes. Understand that to be active and healthy, nutritious food and drink are needed to provide energy for the body. Prepare ingredients using the appropriate cooking utensils. Measure and weigh ingredients to the nearest gram and millilitre. Start to independently follow a recipe. Start to understand seasonality.	