National Curriculum Key Stage 1 and 2

National Curriculum	
Key Stage 1	**Key Stage 2**
Designing • Is able to design purposeful, functional, appealing products for themselves and other users based on design criteria • Can generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, ICT **Making** • Is able to select from and use a range of tools and equipment to perform practical tasks (e.g. cutting, shaping, joining and finishing) • Can select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics **Evaluating** • Can explore and evaluate a range of existing products evaluate their ideas and products against design criteria **Technical Knowledge** • Can build structures, exploring how they can be made stronger, stiffer and more stable • Is able to explore and use mechanisms (e.g. levers, sliders, wheels and axles), in their products **Food Technology** • Uses the basic principles of a healthy and varied diet to prepare dishes • Unestand where food comes from	**Designing** • Can use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups • Is able to generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design **Making** • Is able to select from and use a wider range of tools and equipment to perform practical tasks (e.g. cutting, shaping, joining and finishing) • Can accurately select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities **Evaluating** • Is able to investigate and analyse a range of existing products • Can evaluate their ideas and products against their own design criteria and consider the views of others to improve their work • Understands how key events and indiviudals in design and technology have helped shape the world **Technical Knowledge** • Applies their understanding of how to strengthen, stiffen and reinforce more complex structures • Understands and can use mechanical systems in their products (e.g. gears, pulleys, cams, levers and linkages) • Understands and can use electrical systems in their products (e.g. series circuits incorporating switches, bulbs, buzzers and motors) • Applies their understanding of computing to program, monitor and control their products **Food Technology** • Understands and can apply the principles of a healthy and varied diet • Can prepare and cook a variety of predominantly savour dishes using a range of cooking techniques • Understands seasonality and knows where and how a variety of ingredients are grown, reared, caught and processed.