

DESIGN AND TECHNOLOGY

KS1

DT1/1.1 Design

DT1/1.1a design purposeful, functional, appealing products for themselves and other users based on design criteria

DT1/1.1b generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology

DT1/1.2 Make

DT1/1.2a select from and use a range of tools and equipment to perform practical tasks

DT1/1.2b select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

DT1/1.3 Evaluate

DT1/1.3a explore and evaluate a range of existing products

DT1/1.3b evaluate their ideas and products against design criteria

DT1/1.4 Technical Knowledge

DT1/1.4a build structures, exploring how they can be made stronger, stiffer and more stable

DT1/1.4b explore and use mechanisms, in their products.

DT1/2.1 Cooking & Nutrition

DT1/2.1a use the basic principles of a healthy and varied diet to prepare dishes

DT1/2.1b understand where food comes from.

KS2

DT2/1.1 Design

DT2/1.1a 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

DT2/1.1b generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

DT2/1.2 Make

DT2/1.2a select from and use a wider range of tools and equipment to perform practical tasks accurately

DT2/1.2b select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

DT2/1.3 Evaluate

DT2/1.3a investigate and analyse a range of existing products

DT2/1.3b evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

DT2/1.3c understand how key events and individuals in design and technology have helped shape the world

DT2/1.4 Technological Knowledge

DT2/1.4a apply their understanding of how to strengthen, stiffen and reinforce more complex structures

DT2/1.4b understand and use mechanical systems in their products

DT2/1.4c understand and use electrical systems in their products

DT2/1.4d apply their understanding of computing to programme, monitor and control their products.

DT2/2.1 Cooking & Nutrition

DT2/2.1a understand and apply the principles of a healthy and varied diet

DT2/2.1b cook a repertoire of predominantly savoury dishes so that they are able to feed themselves and others a healthy and varied diet

DT2/2.1c become competent in a range of cooking techniques [for example, selecting and preparing ingredients; using utensils and electrical equipment; applying heat in different ways; using awareness of taste, texture and smell to decide how to season dishes and combine ingredients; adapting and using their own recipes]

DT2/2.1c understand the source, seasonality and characteristics of a broad range of ingredients