

Developing, planning and communicating (Design)

Constructing & Use of materials (Make)

Evaluating the process & products

Mechanisms (Technical Knowledge)

CAD

Working with tools

Cooking & Nutrition

use market research to inform plans

considered the use of the product when selecting materials

consider culture and society in their design

use a range of information to inform their design

think about how their product can be marketed through packaging and advertising

...apply their understanding of computing to program, monitor and control their products.

Select from a range of materials and components, according to the functional properties and aesthetic qualities of their design

continually refine and further improve my product

demonstrate that their product is strong and fit for purpose.

choose appropriate tools and materials to ensure that the final product will appeal to the audience

use a range of tools and equipment with good accuracy and effectiveness, within established safety parameters

justify their plan to someone else



test and evaluate their final product against the design criteria,

Consider the functional properties and aesthetic qualities of their design

Decide how different resources have improved their product

Decide if they need more or different information to make it even better

understand and use electrical systems in their products [for example, series circuits incorporating switches, LED's, buzzers or motors]

make up a prototype first

apply my understanding of how to strengthen, stiffen and reinforce my product.

The Year 6 Design and Technology student 'I can...'

...confidently use design software to support my product

measure accurate enough to ensure precision

... understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.

... prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.

... understand and apply the principles of a healthy and varied diet.