Design Technology Knowledge Building

Food Technology

Know that food comes from plants or animals and that food has to be grown or caught

Know how to prepare food safely and hygienically, without using a heat source

Know how to prepare and cook safely and hygienically, including use of a heat source

Know how to use a range of techniques such as peeling, slicing, grating, kneading and spreading

Users and Purposes

Know what they are designing and making and say what its purpose is

Know why they need to make products suitable for intended end users and how this influences design

Understand the purpose of their product and know which design features will appeal to intended users

Know what impact products have beyond their intended purpose

Product Research

Know what they like and dislike about a product

Know the importance of research and using their findings in the design process

Understand the link between choice of materials, functionality and aesthetics

Know how to gather information about the needs and wants of groups and individuals

Design Technology Knowledge Building

Know the correct technical vocabulary for the projects they are undertaking

Know the names of a wide range of tools and techniques, including how to employ them

Know the names and properties of materials commonly used in the manufacture of products

Know the names of simple construction tools and equipment

Design Technology Vocabulary

Understand the relationship between a product's features and its functionality and usability

Understand how important performance and appearance are in product design

Know the importance of including useful features within a product design

Know the key features that define a product

Product Features

Know and understand the importance of patent, copyright and trademark in the design process

Understand the role and importance of problem-solving within the invention process

Know about significant inventors and developers and how they improved life for others

Understand what inventors do and why they are important

Invention and Development