Design Technology Knowledge Building

Food Technology

- Know how to use a range of techniques such as peeling, slicing, grating, kneading and spreading
- Know how to prepare and cook safely and hygienically, including use of a heat source
- Know how to prepare food safely and hygienically, without using a heat source
- Know that food comes from plants or animals and that food has to be grown or caught

Users and Purposes

- Know what impact products have beyond their intended purpose
- Understand the purpose of their product and know which design features will appeal to intended users
- Know why they need to make products suitable for intended end users and how this influences design
- Know what they are designing and making and say what its purpose is

Product Research

- Know how to gather information about the needs and wants of groups and individuals
- Understand the link between choice of materials, functionality and aesthetics
- Know the importance of research and using their findings in the design process
- Know what they like and dislike about a product

Design Technology Knowledge Building

Design Technology Vocabulary

- 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

Product Features

- 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

Invention and Development

- 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