

Current Design and Technology Research

Source: Primary Design and Technology Association

Date: 2016

Summary:

- Design and Technology involves two main elements:
 - Learning about the designed and made world and how things work
 - Learning to design and make functional products for a purpose
- Design and Technology skills and knowledge can be applied across the curriculum. E.g. knowledge of properties of materials in science, measuring accurately in maths, use of technology in computing.
- Children have to have opportunities to be creative and innovative and can consider important issues, such as sustainability.
- Design and Technology in primary schools enables children to make their own decisions in a practical way.
- Design and Technology brings learning to life and this is motivating for children, providing a firm basis for resilience.

Source: STEM

Date: 2009

Summary:

- Design and Technology can change the way children learn to see the world and the products in it.
- Children learn that they can make a difference to the world around them by creating carefully planned products for a specific purpose.
- Children can design and make products for themselves and for others through careful research and consideration of the needs of others.
- Cognitive skills are developed through reflection on what they have made and whether or not it meets the design intention.