

All children – regardless of gender, starting point or background – will have the opportunity to engage with a high-quality design technology education. They will be equipped with the knowledge, skills and vocabulary to use creativity and imagination to design and make products that solve real and relevant problems in a variety of contexts. We intend to inspire a sense of enjoyment and curiosity about design technology.

Construction – Freestanding Structures

Autumn 1

Igniting Prior Knowledge:

Year R (Expressive Arts and Design)

- Creating with Materials
- Blocks can be stacked vertically and horizontally, making enclosures.
- There are different construction materials.
- Construction pieces can be put together to build and balance.
- Materials have different textures.

Key Vocabulary:

- Weak
- Strong
- Stronger
- Stiffer
- Join
- Equipment
- Cut
- Freestanding structure
- Stable
- Thinner
- Thicker

New Knowledge:

- There are different techniques use to join different materials e.g. taping and gluing.
- A freestanding structure stands on its own.
- Freestanding structures can be made stronger, stiffer and more stable.
- Some materials have a significant environmental impact.

