

Factual Knowledge

- Basic principles of a healthy diet
- Properties of materials and structural elements
- Understanding of mechanical systems – how a level works
- Electrical systems and how they are used
- Performance of structural elements
- Investigating existing levers

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Key Ideas

- Structure
- Construction
- Cooking and Nutrition
- Mechanism
- Textiles
- Joining
- Electrical Systems

Substantive Knowledge

Subject Specific Skills

- Design
- Know how to design a product that is purposeful
- Make
- Know how to cut, shape, join and finish
- Evaluate
- Know how to investigate and evaluate and analyse
- Know key individuals who have helped to shape the world
- Technical knowledge
- Know how to apply knowledge of materials to meet criteria

Disciplinary Process or skills (procedural)

Disciplinary Concepts

Key Concepts

- Health and safety
- Functionality
- Evaluation
- Health and Diet
- Seasonality
- Impact
- Design
- Audience
- Purpose
- Programming

