

Elements of our DT Curriculum

Knowledge and Understanding

Designers and engineers develop a knowledge and understanding that enables them to evaluate, design and make. Knowledge and understanding of a range of making, tools and techniques enable them to generate ideas for how to create their intended outcome. Developing substantive knowledge (theoretical and practical) alongside disciplinary knowledge (designing, making and evaluating) is a core principle of teaching and learning in Design technology.

Substantive Knowledge

The what when and how of DT (specific to areas of learning – eg textiles and how to join materials)

Disciplinary Knowledge

The process of being a designer – the knowledge and skills that can be applied across the DT process

Themes

Mechanisms and Structures

Textiles

Food and Nutrition

DT Strands

Designing

Understanding users and purpose
Ideas

Making

Planning
Practical skills and techniques

Evaluating

Investigating existing products
Own ideas and products



These elements do not stand as isolated parts; thinking and work is often a combination of all or a number of them.