

# Design and Technology

## Disciplinary and Substantive Concepts

### Year 1

Block C	<p><b>FOOD AND NUTRITION</b></p> <p><b>Exploring Food Senses</b></p> <p><b>How does food affect your senses?</b></p> <p>Know why coloured foods can be healthier          Know how different foods can affect senses          Be able to peel, chop and grate a selection of vegetables          Be able to modify food to suit food senses</p>
Block B	<p><b>STRUCTURES</b></p> <p><b>Freestanding Structures</b></p> <p><b>How can you stop a tower from toppling over?</b></p> <p>Know a freestanding structure is a structure that stands on its own foundation or base without attachment to anything else          Be able to build structures that are freestanding using a range of different materials</p>
Block D	<p><b>UNDERSTANDING MATERIALS</b></p> <p><b>Selecting Materials</b></p> <p><b>Can you build with bread?</b></p> <p>Know building materials have different properties which enable them to be used for different purposes          Be able to identify, sort and select materials that can be used in construction          Be able to combine materials</p>
Block A	<p><b>MECHANISMS</b></p> <p><b>Sliders and Levers</b></p> <p><b>How can you make a picture move?</b></p> <p>Know common uses of sliders          Know different methods to create card sliders          Know how sliders can create simple mechanisms          Be able to design and make a slider product          Be able to evaluate the success of their outcomes and recommend improvements</p>
Block E	<p><b>TEXTILES</b></p> <p><b>Joining Techniques</b></p> <p><b>How can two squares of fabric keep you warm?</b></p> <p>Know fabric can be joined together using a running stitch          Know the types and names of tools needed for sewing          Be able to create a running stitch          Be able to select tools for sewing          Be able to thread a needle</p>
Block F	<p><b>FOOD AND NUTRITION</b></p> <p><b>Vitamins in Food</b></p> <p><b>Why are vegetables the best?</b></p> <p>Know the importance of including a range of vegetables in a diet          Be able to peel, grate, season and breadcrumb a range of vegetables</p>