Hillbourne Primary School

'Every Child, Every Opportunity'

Design and Technology Concept Map

Concepts	Components
Food and nutrition	Balanced plate with understanding of food groups How to use kitchen implements to slice, dice, chop, beat, whisk, fold, sieve, grate, peel, mash, mix Vegetarian and vegan options. Seasonal and unseasonal food. Understanding of food labels Following recipes Understanding of basic hygiene
Stable structures	Features of a stable structure Explore joints Follow designs to create stable structures out of a variety of materials Understand how bridges are made stable with trusses, arches and tension.
Programming and electrical systems	Simple circuits Design a computer controlled system Understand computer engineering
Mechanical systems	Investigate pivots, levers and linkages Investigate axels and chassis
Textiles	Uses of a variety of stitches Adding buttons or beads to fabric. Understanding pattern pieces and fashion design.
Inventions and achievements	Mackintosh Worldwide web Paper Gunpowder Kites