

# Design and Technology Curriculum Overview

|        | Term 1   | Term 2  | Term 3  | Term 4   | Term 5  | Term 6  |
|--------|--|---|---|--|---|---|
| Year R | EAD/PD/UTW/PSED links<br>Begin to use simple tools with support. Create model of houses from recycled materials. Explore materials freely. | EAD/PD/UTW/PSED links<br>Continue to use simple tools with support. Create model of transport from recycled materials. Developing joining techniques. Explore materials freely. | EAD/PD/UTW/PSED links<br>Continue to use simple tools with support. Large scale construction. Continue to develop joining techniques. Explore materials freely. Create collaboratively. | EAD/PD/UTW/PSED links<br>Continue to use simple tools with support. Build on large scale construction. Continue to develop joining techniques. Create collaboratively. | EAD/PD/UTW/PSED links<br>Continue to use simple tools with support. Build on large scale construction. Continue to develop joining techniques. Create collaboratively and freely. | EAD/PD/UTW/PSED links<br>Use simple tools safely. Build on large scale construction. Continue to develop joining techniques. Create collaboratively and freely. |
| Year 1 |  | Mechanics- wheels and axles (moving toy)  |   | Free standing structure- create a castle   | Food nutrition day: Making Smoothies  | Textiles- templates and joining techniques- make a puppet   |
| Year 2 |  | Mechanics: Make a moving picture (levers and sliders) for the Great Fire of London  | Free-standing structure. Make a house on stilts   | Food- Preparing fruits and vegetables (soup for a patient)   |   |   |
| Year 3 |  | Structure (shell structure), a disposable lunchbox  |   | Mechanics (pneumatics). Make a moving Greek monster  | Food nutrition day: How can I make a healthy tart?  | Textiles: Make a bag to carry shopping items (2D shape to 3D product)   |
| Year 4 |  |   | Mechanics (levers and linkage). Make a book with moving parts   |  | Electronic systems: Simple circuits and switches. Make a boat with a light.   | Food -health and varied diet- make a variety of breads.   |
| Year 5 | Frame structure- (Make a bridge; linked to Brunel)   |   | Food-Celebrating culture and seasonality  |  |   | Mechanics- Cams Create an automata animal.  |
| Year 6 | Food- celebrating culture and seasonality. 3 course meal   |   |   |  | Textiles-Make a cushion cover   | Electrical system. Create a board game with an electrical part controlled by a Crumble Kit.   |