

**Year 6**

- Know basic cross stitch techniques, including anchoring the thread.
- To adapt cross stitch techniques, e.g. using tweeding, blending threads or single stitches for effect.
- Know finishing techniques, including framing a design.
- Know how to build and add a series circuit and switch to a product.
- To know how to conceal an electrical system in a product to support aesthetics
- Know how to make a healthier alternative by adapting ingredients and cooking method
- Know of three or more ways to cook the same food

**Year 5**

- Know that some aromas and flavours complement one another and experiment with blending these
- Know and use strengthen a structure in various ways (triangles, techniques in line with a design brief, e.g. strengthen with decorate and strengthen with a varnish
- Know how to stay safe when using glues and varnishes (e.g. ventilation) Know how to use a mechanical systems to control force or speed.
- Know an input is the motion used to start a mechanism and output is the motion that happens as a result of starting the input.

**Year 4**

- Know and follow basic hygiene rules when cooking. Including what food needs to be refrigerated and why.
- Know how to design a structure that is both stable and aesthetically pleasing (e.g. has symmetry)
- Know how to measure, mark, cut and assemble with increasing accuracy.
- Know and understand that the shape of a moving object will affect how it moves due to air resistance.

**Year 3**

- Know that materials can be manipulated to improve strength and stiffness.
- Know that a lever is something that turns on a pivot.
- Know how axels help wheels to move a vehicle.
- Know how to use a template Know different ways in which to join items together and the benefits of these techniques. Including strengthening with triangles.
- Know how the basic principles of a healthy and varied diet to prepare dishes.
- Know that some ingredients are allergens to some users. Know how to layer different materials for affect.

**Year 2**

- Know that materials can be manipulated to improve strength and stiffness.
- Know that a lever is something that turns on a pivot.
- Know how axels help wheels to move a vehicle.
- Know how to use a template
- Know different ways in which to join items together and the benefits of these techniques. Including strengthening with triangles.
- Know how the basic principles of a healthy and varied diet to prepare dishes.

**Year 1**

- Know how to turn 2D nets in 3D structures.
- Know that levers and sliders are mechanisms and can make things move.
- Know how to combine ingredients to make nutritious sandwiches.
- Know the importance of hand washing when cooking Know different ways in which to join items together: pinning, stapling, gluing

**F2**

- Know how to follow simple pictorial recipes and combine ingredients, under adult supervision, creating food products and other media i.e. playdough
- Know how to use a range of tools for cutting, shaping, joining and finishing to make own products, including woodwork products;
- Know how to use a range of age appropriate constrictions kits;
- Know how to weave using paper.
- Know why sewing is a better technique to use instead of weaving.

## Implementation

*The process of putting a decision or plan into effect; execution.*

