

## Design and Technology Weeks.

### Autumn

#### Textile Technology – Creating Christmas Decorations/ Cards

Reception – Weaving - Create a frame and weave using a range of festive fabrics.

Year 1 – Christmas Stocking - Use running stitch to join 2 pieces of fabric.

Year 2 – Christmas Decoration – Draw around a template, cut and join using simple running stitch.

#### Healthy Human - Food

Year 3 - Christmas Decoration – Create and draw around a simple template, cut and join using simple running stitch. Embellish using choice of decorations e.g. sequins, beads etc.

Year 4 - Christmas Decoration – Create a prototype. Create a pattern, use pins to place a pattern. Use a range of stitches e.g. running stitch, back stitch, over stitch. Own choice of decoration.

Year 5 – Christmas Decoration - Create a prototype. Create own pattern showing awareness of seam allowance. Create a 3D decoration where the seam is inside. Pin and tack before sewing. Use own choice of stitches to join. Own choice of decoration.

Year 6 – Christmas decoration - Create a prototype. Create own pattern showing awareness of seam allowance. Create a 3D decoration where the seam is inside. Pin and tack before sewing. Use own choice of stitches to join. Decorate with applique.

### Spring

#### Structures

Reception - Build structures exploring how they can be made stronger, stiffer and more stable.

Year 1 - Making a Story Book - Explore and use mechanisms e.g. levers and sliders.

Year 2 – Vehicles - Explore and use mechanisms (wheels and axles) within their products.

Year 3 - Building Bridges - Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.

Year 4 - Moving Monsters - With increasing independence produce models that incorporate mechanical systems such as levers, linkages or pneumatic systems to create movement.

Year 5 - Wind Up Toys - Begin to understand how mechanical systems such as cams create movement. Design and make a product that incorporates a cam mechanism.

Year 6 – Fair Ground Rides - Develop a greater understanding of how cams, pulleys or gears create movement. Create and use prototypes. Design and make products with greater independence.

## **Summer**

**Food Technology – See Food for Life Website for planning and resources.**

**Reception** - Fabulous fruit salad -

**Year 1** – Fruit Kebabs

**Year 2** - Healthy Sandwiches - Textile Dragons

**Year 3** – Veggie Snacks – a hummus/yogurt mix in cucumber and pepper shells;

**Year 4** - Cous Cous Salad – slicing and chopping, using a kettle to cook the cous cous, combining;

**Year 5** - Fruit Scones – sieving, rubbing-in, combining, rolling out, cutting, baking;

**Year 6** - Bread – accurate weighing and measuring, kneading, proving, shaping and baking