



|                | Autumn Term  |   | Spring Term  |  | Summer Term   |   |
|----------------|--|---|--|--|---|---|
| EYFS Reception | Exploring a range materials & construction kits to build and create, inc. bridges for the GBM, magic wands, dens |   | Explore and create using a range of materials and tools used to shape and combine materials, inc. scissors, glue, tape and hole punches. |  | Plan, create and review<br>Talk about where food comes from, plant seeds and watch them grow.                             |   |
| Year One       | Design and make a <b>sandwich</b> for the journey to the South Pole  | Build structures – make a <b>cake for Nibbles</b><br>Investigate how they can be made stronger, stiffer and more stable                   | Make an <b>animal mask</b><br>– select tools: cutting, shaping, joining, finishing<br>select materials                                   |  | Design, test, make <b>rockets and boats</b> –<br>Whose rocket can travel the furthest?<br>Can you get your boat to float? |   |
| Year Two       |  | Create a <b>'fat ball'</b> for an owl<br>Explore and evaluate existing products and designs<br><b>'Christmas Decorations'</b><br>textiles | Cooking and Nutrition<br>– <b>Baking Bread</b><br>Link to Great Fire of London   | <b>Functional Machines</b><br>Design and make, exploring a range of materials – linked with own stories          |   | <b>Cooking and nutrition</b><br>*Healthy Living Week*   |
| Year Three     |  | <b>Moving pictures</b><br>using levers and linkages<br>Mechanical Systems   |  | <b>Healthy Salad,</b><br>Food Tech   | <b>Tyvek Wings,</b><br>Textiles<br><b>Pneumatics,</b><br>Mechanical systems   | <b>Hoists for Giraffes</b><br>A-frames and pulleys<br>Mechanical Systems  |
| Year Four      |  | <b>'Musical Instruments'</b><br>plan, build using recycled materials and evaluate   | Build a <b>volcano</b> – generate ideas, develop, communicate, create sketches.  | Create and test an <b>escape raft</b> – select and evaluate materials<br>– use gears, pulleys, levers, linkages? | Make a <b>fruit salad.</b>  | Make a <b>head torch</b> to see in a cave (use electrical systems)  |
| Year Five      | <b>Boat/ Canoe</b><br>design and build – link to science Forces  |   | Design a <b>superhero energy bar</b>   |  |   | <b>Cooking and nutrition</b><br>*Healthy Living Week*   |
| Year Six       |  | Building <b>Bridges</b><br>Choosing materials, strengthening and reinforcing structures.  |  |  | <b>Electric Car</b><br>Design and build an electrical car, including a headlight.   | Textiles<br>Creating own <b>t-shirts</b> using a range of different textiles and methods to attach to material. |

We are

Safe, Motivational, Inclusive, a Team and Happy

