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| | EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
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| Food | <p>Healthy Lunchbox 22-36 months</p> <ul style="list-style-type: none"> Beginning to recognise danger and seeks support of significant adults for help. <p>30-50 months</p> <ul style="list-style-type: none"> Understands that equipment and tools have to be used safely. <p>40-60+ months</p> <ul style="list-style-type: none"> Eats a healthy range of foodstuffs and understands need for variety in food. Shows some understanding that good practices with regard...eating...and hygiene can contribute to good health. Shows understanding of the need for safety when tackling new challenges, and considers and manages some risks. Practices some appropriate safety measures without direct supervision. <p>Early Learning Goal</p> <ul style="list-style-type: none"> Children know the importance for good health of physical exercise, and a healthy diet, and talk | <p>Fruit salad</p> <ul style="list-style-type: none"> Cut, peel and squeeze ingredients safely and hygienically. To know how to use simple cutting tools to prepare soft fruit and vegetables. To know how to follow simple health and safety procedures. Assemble simple dishes without using a heat source. | <p>Salad/potato salad</p> <ul style="list-style-type: none"> To use techniques such as cutting, peeling and grating with confidence and independence. Group food into the five groups in the Eatwell plate (carbohydrates, fats, fruits and vegetables, proteins and dairy). To know how to independently follow simple health and safety procedures. To know that everyone should eat at least five portions of fruit and veg a day. To know where food comes from. Measure in non-standard units. Prepare and assemble simple dishes without using a heat source. Prepare and assemble simple dishes using a heat source (boiling). | <p>Potato salad/pasta salad</p> <ul style="list-style-type: none"> Cook foods accurately and safely by selecting appropriate tools. Follow a recipe. Begin to measure and weigh ingredients with support. To know how to combine foods using different utensils. To know that a healthy diet is made up of a variety of food and drink. Prepare and assemble simple dishes using a heat source (boiling). Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed. | <p>Pizza/fajitas</p> <ul style="list-style-type: none"> Measure ingredients using scales. Preparing ingredients hygienically and using the appropriate utensils. To know how to chop a wider range of foods using different techniques. To know some simple standard measure for measuring ingredients. Prepare and assemble simple dishes using a heat source (oven). Control the temperature of the oven. To know how to cut, shape and knead dough. Understand the importance of correct storage and handling of ingredients. To know the difference between fresh and processed foods. | <p>Fajitas/burgers</p> <ul style="list-style-type: none"> Create recipes including ingredients, methods, cooking times and temperatures. Understand the importance of correct storage and handling of ingredients. Measure ingredients to the nearest gram and millilitre. Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed. Prepare and assemble more complex dishes using a heat source. To know about organic foods and the impact of these. To know the difference between fresh and processed foods. | <p>Chosen food product</p> <ul style="list-style-type: none"> Prepare and assemble more complex dishes using a heat source. Create and refine recipes, including ingredients, methods, cooking times and temperatures. Understand the importance of nutrition, a balanced diet and about the characteristics of a broad range of ingredients in choosing and preparing food. Measure ingredients to the nearest gram and millilitre and calculate ratios of ingredients to scale up or down. To know about a range of chefs and their individual styles of cooking. To know about organic foods and the impact of these. |

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| | about ways to keep healthy and safe. | | | | | | |
| Textiles | <p>Sock puppet dinosaur – up and down stitch 22-36 months</p> <ul style="list-style-type: none"> Experiments with colours and marks. <p>30-50 months</p> <ul style="list-style-type: none"> Uses available resources to create props to support role-play. Captures experiences and responses with a range of media and other materials. <p>40-60+ months</p> <ul style="list-style-type: none"> Understands that different media can be combined to create new effects. Manipulates materials to achieve a planned effect. <p>Early Learning Goal</p> <ul style="list-style-type: none"> Use what they have learnt about media and materials in original ways, thinking about uses and purposes. They represent their own ideas, thoughts and feelings through design and technology. | <ul style="list-style-type: none"> To make a product out of textiles. To begin to sew in a running stitch. Learn sewing basics of threading a needle and knotting your thread. | <ul style="list-style-type: none"> Join fabrics together using running stitch. Learn sewing basics of threading a needle, knotting your thread and finishing off. Sew using running stitch, attempting to produce neat, equal stitches. Decorate fabric by adding beads/sequins. | <ul style="list-style-type: none"> Measure mark out and cut fabric. Join fabrics together using running stitch. Create a design on fabric using applique. Learn sewing basics of threading a needle, knotting your thread and finishing off. To produce neat, equal stitches in my running stitch. To improve designs as you work. | <ul style="list-style-type: none"> Measure mark out and cut fabric. Use sharp scissors accurately to cut textiles. To know the texture and properties of materials and choose appropriately. To improve designs as you work. Learn sewing basics of threading a needle, knotting your thread and finishing off. Include a seam allowance. Join textiles with a combination of stitching techniques such as back stitch for seams and running stitch to attach decoration. Turn out so stitching is hidden. | <ul style="list-style-type: none"> Select appropriate textiles for a product. Use sharp scissors accurately to cut textiles. Sewing on simple components – buttons/sequins/ribbons. Join textiles with a combination of stitching techniques such as back stitch for seams, cross stitch for pattern and running stitch to attach decoration. To improve designs as you work. | <ul style="list-style-type: none"> To combine materials to improve design for strength or visual appeal. To join materials to make products with permanent or temporary fastenings. To describe the qualities of materials and to say why it is the most suitable choice. Join textiles using a combination of stitching techniques. (cross stitch, back stitch, running stitch) Create designs on fabric using applique/pens/ paint. Incorporate a fastening component e.g. button/zip/press stud. To improve designs as you work. |

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| <p>Structures</p> | <p>Junk model homes/ school buildings 22-36 months</p> <ul style="list-style-type: none"> Experiments with blocks. <p>30-50 months</p> <ul style="list-style-type: none"> Uses various construction materials. Beginning to construct, stacking blocks vertically and horizontally, making enclosures and creating spaces. Joins construction pieces together to build and balance. Realises tools can be used for a purpose. <p>40-60+ months</p> <ul style="list-style-type: none"> Constructs with a purpose in mind, using a variety of resources. Uses simple tools and techniques competently and appropriately. Selects appropriate resources and adapts work where necessary. Selects tools and techniques needed to shape, assemble and join materials they are using. <p>Early Learning Goal</p> <ul style="list-style-type: none"> Safely uses and explores a variety of materials, tools and techniques, experimenting with design, form and function. | <p>Cage for a pet</p> <ul style="list-style-type: none"> Cut materials safely using scissors. Join materials together using glue. Demonstrate a range of shaping techniques such as tearing, folding and curling. | <p>Toy car/fire engine/wedding carriage</p> <ul style="list-style-type: none"> Measure and mark out to the nearest cm. Cut materials safely using a saw and bench hook. Demonstrate a range of joining techniques such as gluing, Jinx triangles or combining materials to strengthen. Create products using axles and wheels. | <p>Wedding carriage/railway carriage</p> <ul style="list-style-type: none"> Measure, mark out and cut materials with some accuracy. Cut materials safely using a saw and bench hook. Demonstrate a range of joining techniques such as gluing, Jinx triangles or combining materials to strengthen. Create products using axles and wheels. Apply a range of finishing techniques to strengthen and improve the appearance of the structure. | <p>Anglo-Saxon long hall/hurricane structure</p> <ul style="list-style-type: none"> Measure, mark out and cut materials with accuracy. Cut materials safely using a saw, bench hook and mitre box. Cut wood with a mitre box to create a 45° angle. Demonstrate a range of joining techniques such as gluing and Jinx triangles. Create products using axles and wheels. Apply a range of finishing techniques to improve the appearance of the structure. To apply an understanding of how to strengthen, stiffen and reinforce more complex structures. | <p>Hurricane structure</p> <ul style="list-style-type: none"> Measure, mark out and cut materials with accuracy. Cut materials safely using a saw, bench hook and mitre box. Make an equilateral triangle, cutting wood with a mitre box to create a 60° angle. Demonstrate a range of joining techniques such as gluing and Jinx triangles. To apply an understanding of how to strengthen, stiffen and reinforce more complex structures. Apply a range of accurate finishing techniques to improve the appearance of the structure. | <p>Egyptian shaduf</p> <ul style="list-style-type: none"> Measure, mark out and cut materials with accuracy. Cut materials safely using a saw, bench hook and mitre box. Cut wood with a mitre box to create a 45° angle. Make an equilateral triangle, cutting wood with a mitre box to create a 60° angle. Demonstrate a range of joining techniques such as gluing and Jinx triangles. To apply an understanding of how to strengthen, stiffen and reinforce more complex structures. Make products using mechanical systems such as levers, linkages and gears to create movement. Make modifications (if needed) when tackling practical problems. Apply a range of accurate finishing techniques to improve the appearance of the structure, overall creating a quality product. |
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| Electrical Systems | | | <ul style="list-style-type: none"> • Use remote controlled devices, e.g. a remote controlled vehicle, Bee bot. • Talk about how common electrical equipment works, e.g., appliances. • Talk how equipment can be used safely. • Create a simple circuit using a battery, bulb and wires. | | <ul style="list-style-type: none"> • Create simple circuits incorporating a battery, bulb, switch, and wires. • Explore and describe how an electric motor can be used in a circuit. • Identify key features of electrical safety. | | <ul style="list-style-type: none"> • Explore and describe how switches can be used in a range of circuits to control components, e.g. lights in a lighthouse, a movement sensor in a burglar alarm. • Apply appropriate safety measures when constructing circuits. • Explore and discuss ways in which electricity can be used to control movement. • Explore and use an increasing range of complex control system, e.g., a light sensor. |
| Mechanisms | | | | | | | |