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| <p>EYFS Nursery</p> | <p>Structures Explore the textures, movement, feel and look of different media and materials. Use simple tools and techniques Use different media and materials to express their own ideas. Construct with a purpose in mind using a variety of resources. Develop skills to use simple tools and techniques competently and appropriately . Cutting skills, junk modeling, combining media all based around childrens' interests and stories.</p> <p>Food Make Pancakes. Making mini pizzas Explore and taste a range of food.</p> <p>Mechanisms Use simple tools and techniques including scales, bikes, scooters.</p> | | |
| <p>Reception</p> | <p>Structures Explore the textures, movement, feel and look of different media and materials. Select appropriate resources for a product and adapt their work where necessary Develop skills to use simple tools and techniques competently and appropriately . Respond to a range of media and materials developing an understanding that they manipulate and create effects with these. Cutting skills, junk modeling, combining media all based around childrens' interests and stories. Design and plan model structures. Evaluate.</p> <p>Food Make Pancakes. Making smoothies. Make milkshakes. Make orange juice. Explore and taste a range of food, link to healthy and unhealthy.</p> <p>Mechanisms Use simple tools and techniques including scales, bikes/scooters, mechanical whisks, blenders, pulley.</p> | | |
| <p>Year 1</p> | <p>Structures Linked to Literacy -Three little pigs houses</p> <p>Build structures, exploring how they can be made stronger, stiffer and more stable (laminating ie layering paper or card)</p>  | <p>Mechanisms Linked to science Materials - Make a Mother's Day Pop up flower card</p> <p>Explore and use mechanisms - levers and sliders</p> | <p>Food Make a seasonal smoothie</p> <p>Use the basic principles of a healthy and varied diet to prepare dishes. Understand where food comes from.Chopping and peeling fruit.</p> |
| <p>Year 2</p> | <p>Mechanisms Make a coal truck Explore and use mechanisms- wheels and axles</p> | <p>Structure Great Fire of London - houses</p> <p>Build structures, exploring how they can be made stronger, stiffer and more stable laminating and corrugating)</p>  | <p>Food Linked to Science topic - Healthy Eating & balanced diet. Make a healthy sandwich</p> <p>Use the basic principles of a healthy and varied diet to prepare dishes. (peeling, washing, chopping and making) Understand where food comes from.</p> |
| <p>Year 3</p> | <p>Mechanisms Toy with moving parts</p> <p>Understand and use mechanical systems in their products for example, gears, pulleys, cams, levers and linkages</p> | <p>Structures Stonehenge</p> <p>Apply their understanding of how to strengthen, stiffen and reinforce more complex structures (laminating,corrugating and single/double ribbing)</p>  | <p>Food Linked to Romans</p> <p>Make energy biscuits for Romans to eat on his march into battle.</p> <p>Understand and apply the principles of a healthy and varied diet. Prepare and cook a variety of predominantly savory dishes using a range of cooking techniques. Measuring mixing baking)</p> |
| <p>Year 4</p> | <p>Electrical Systems Make a buzzer game</p> <p>understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]</p> | <p>Structures Linked to animals and their habitats structures make a wooden bug house.</p> | <p>Food Linked to Anglo Saxons Watercress and Mushroom soup washing, preparing, chopping, outdoor cooking.</p> |



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| <p>Year 5</p> | <p>Mechanisms Linked to Egyptians Make a shaduf</p> <p>Understand and use mechanical systems in their products - gears, pulleys, levers and linkages</p> | <p>Food Linked to Ancient Greece Make a healthy Greek salad and flatbread</p> <p>Understand and apply the principles of a healthy and varied diet. Designing, chopping measuring baking Prepare and cook a variety of predominantly savory dishes using a range of cooking techniques.</p> | <p>Structures Linked to rivers/bridges/pyramids Make a bridge</p> <p>Apply their understanding of how to strengthen, stiffen and reinforce more complex structures using previously taught skills of strengthening paper and card.</p> |
| <p>Year 6</p> | | <p>Food (Linked to Topic WW2) Make a wartime dish (potato pies baked in foil pie dishes)</p> <p>Understand and apply the principles of a healthy and varied diet. Prepare and cook a variety of predominantly savory dishes using a range of cooking techniques. Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. Designing, measuring, chopping and cooking.</p> | <p>Structures Linked to Native Americans Make a willow teepee</p> <p>Apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p> <p>Electrical Systems Make a light up sign box</p> <p>understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] apply their understanding of computing to program, monitor and control their products.</p> |