



St Jude's Catholic Primary School

Design & Technology Subject Overview

| | Autumn | | Spring | | Summer | |
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| Preschool | Explore junk modelling Homes | Leaf man characters | Explore junk modelling | Make sea creatures | Create a bug hotel To use a variety of tools to make mini beasts out of playdough. | Cooking and Nutrition Fruit Salad |
| Reception | Make 3D houses and homes using different materials Cooking and Nutrition Make a healthy sandwich | Making hedgehogs/owls Making rockets Create outdoor sculptures with natural materials | Make a Chinese dragon | Make sea creatures using play dough/ clay Make under the water collage/ sea creatures/ fish tanks/sand pictures | Use junk modelling/ play dough to make own minibeasts Louise Bourgeois- Create spider sculptures in various sizes including a large collaborative piece. | To use a variety of tools and resources to create models and pictures of animals/plants |
| <p>By the end of the Reception Year the children will be able to:</p> <p>Creating with Materials</p> <p>ELG: Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</p> <p>ELG: Share their creations, explaining the process they have used</p> | | | | | | |



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| | ELG: Make use of props and materials when role playing characters in narratives and stories | | |
| Year 1 | | <p>Chair for Baby Bear Structures</p> <p>Design and build a chair suitable for baby bear to use. Text 'A Chair for Baby Bear'</p> | <p>Rockets Sliders</p> <p>Design and make a picture with a rocket slider</p> <p>Cooking and nutrition Healthy Choices Fruit Kebabs</p> |
| Year 2 | <p>Fire engines Axels</p> <p>Design and make a fire engine with wheel and axels</p> | | <p>Pizza (Cooking and nutrition) Healthy Food</p> <p>Design and make a pizza with healthy toppings</p> |
| Year 3 | <p>Moving Monsters Pneumatics</p> <p>Design and make a monster with a moving mouth from pneumatics</p> | | <p>Animals in their habitats Levers and linkages</p> <p>Design and make a poster/picture with moving parts using levers and linkages.</p> |
| Year 4 | <p>Design Packaging Strengthening structures</p> <p>Design and make a suitable packaging for a product</p> | <p>Torches Electric circuits switches</p> <p>Design and make a torch with a working bulb</p> | <p>Pasta Dish (Cooking and Nutrition) Healthy eating</p> <p>Design and make a healthy pasta dish.</p> |
| Year 5 | <p>Bridges Structures</p> <p>Design and build a bridge after researching a variety of existing structures.</p> | | <p>Cam mechanisms Moving toys</p> <p>Use cam mechanisms to design make and evaluate a variety of stable moving toys</p> |



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| Year 6 | Fairground rides Controlling devices Design and make a fairground ride using a computer to control its movements | Phone Cases Textiles Design and make a phone case that is fit for purpose. | Bread (Cooking and Nutrition) Healthy Diet Design and make bread after researching various different types. |