



**Curriculum Subject Coverage – Deerhurst and Apperley C of E
Primary School - Subject Design Technology 2019-20
Learning and living as children of God**

(Ephesians 5:1) (You are God's children whom he loves. Try to be like God)

| Year Group | AUT 1 | AUT 2 | SPR 1 | SPR 2 | SU 1 | SU 2 |
|------------|---|-------|---|-------|------|---|
| EYFS | <p>Early Learning Goal - Understanding the world - technology</p> <p>Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.</p> | | | | | |
| Y1 | <p>Explore and use mechanisms, such as levers, sliders, wheels and axles, in their products. - Linked to Circus</p> <p>Design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p> <p>Make</p> <p>Select from and use a range of tools and equipment to perform practical tasks such as cutting, shaping,</p> | | <p>Technical knowledge</p> <ul style="list-style-type: none"> build structures, exploring how they can be made stronger, stiffer and more stable - linked to history and the Fire of London <p>Design Make and Evaluate</p> | | | <p>Cooking and Nutrition</p> <p>Use the basic principles of a healthy and varied diet to prepare dishes</p> <p>understand where food comes from - link to geography and history - local area (farm)</p> <p>Possible trip to Waitrose</p> |
| Y2 | | | | | | |



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| | <p>joining and finishing</p> <p>Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p> <p>Evaluate Explore and evaluate a range of existing products -Evaluate their ideas and products against design criteria</p> | | | | | |
| Y3 Y4 | <p><u>Mechanics and technical knowledge</u> To understand and use mechanical systems in their products, such as gears, pulleys, cams, levers and linkages</p> <p>Design Make Evaluate</p> | <p>Textiles</p> <p>Understand the need for a seam allowance.</p> <p>Join textiles with appropriate stitching.</p> <p>Select the most appropriate techniques to decorate textiles.</p> <p>Romulus and Remus/ stone Age</p> <p>Design Make Evaluate</p> | <p>Cooking and Nutrition – linked to land use</p> <ul style="list-style-type: none">• understand and apply the principles of a healthy and varied diet• prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques• understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. | | | |



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| Y5 Y6 | <u>Christmas Stockings – Combined Art (Textiles) and DT Project</u> <ul style="list-style-type: none"> • Apply their understanding of how to strengthen, stiffen and reinforce more complex structures <i>Task: to design and make a Christmas stocking for a Victorian child</i> | <u>Knex Challenge</u> | <u>Fairgrounds</u> <ul style="list-style-type: none"> • Understand and use electrical systems in their products (for example series circuits incorporating switches, bulbs, buzzers and motors) <i>Task: to design and make a fairground ride</i> |