**Holy Trinity Church of England (Aided) Primary School**



**D&T Whole School Long Term Plan**

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| **Autumn** | **Spring** | **Summer** |
| **Reception (Mainly in provision)** |
| **Construction**Junk box modelling | **Textiles**Fish Sewing | **Food**Making smoothies |
| **Year One** |
| **Construction/Structures**Emerald City*Design a zoo* *Make a bird feeder**Make an igloo**Make a paper chain hungry caterpillar.**(Autumn Term Provision)* | **Mechanisms***Sliders and levers* Jack Climbing Toy*information leaflet linked to our topic that was more interactive with sliders.*  | **Construction/Materials**Fish Puppets**\*science link - materials** |
| **Food**Making Smoothies | **Food**Making scones | **Food**Bean wraps |
| Extra Cooking/Food objectives to meet Healthy Schools Award (NC and Core Competencies)* Use the basic principles of a healthy diet
* Know where food comes from
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| **Year Two** |
| **Mechanisms***Wheels and axles*Victorian Toys | **Computing**Designing Hen house models using CAD software**\*Computing link - CAD****Electronics**Diagnosing faults in battery devices – low battery, water damage etc**\*Science link – electricity (not in NC)** | **Construction/materials**Making 3D chocolate box packets **Textiles***Templates and running stitch, adding sequins etc*Making Indian Slippers**\*Science link - materials** |
| **Food**Making bread | **Food**Making Carrot Cake | **Food**Healthy Indian Food |
| Extra Cooking/Food objectives to meet Healthy Schools Award (NC and Core Competencies)* Use the basic principles of a healthy diet
* Know where food comes from
* Talk about people’s food choices including allergies, religion etc
* Be aware that some foods have labels that contain information to help making a choice
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| **Year Three** |
| **Construction/Materials**Making a compass | **Mechanical Systems***Levers and linkages*Rainforest Animals | **Computing***Control and monitor models using software designed for this purpose*Greek Temple/ Labyrinth using Beebots**Computing link – control, programming** |
| **Food** Peach Cheesecake | **Food** Stone Age Stew | **Food** Greek meal |
| Extra Cooking/Food objectives to meet Healthy Schools Award (NC and Core Competencies)* Apply the principles of a healthy, varied diet
* Prepare and cook mainly savoury dishes using a range of techniques
* Understand how a variety of ingredients are grown, reared, caught and processed
* Talk about people’s food choices including allergies, religion etc
* Be aware that some foods have labels that contain information to help making a choice
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| **Year Four** |
| **Electrical Systems***Simple circuits involving switches, buzzers, bulbs, and motors*Electrical board games**\*Science link - Electricity** | **Textiles***Choosing appropriate stitching. seam allowance*Roman purses | **Construction/****Structures**Shell structures(including computer-aided design)Egyptian pyramid- different nets/cubes- (CAD) |
| **Food**Design/make meal for a passenger on board Titanic | **Food** Pizzas | **Food** Egyptian Bread |
| Extra Cooking/Food objectives to meet Healthy Schools Award (NC and Core Competencies)* Apply the principles of a healthy, varied diet
* Prepare and cook mainly savoury dishes using a range of techniques
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* Talk about people’s food choices including allergies, religion etc
* Be aware that some foods have labels that contain information to help making a choice
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| **Year Five** |
| **Computing***Write code to control and monitor models or products.*Create a timing based racing game on Scratch**\*Computing link - coding** | **Construction/****Materials**Parachutes* **Science link – forces, materials**
 | **Textiles***Seam allowance, variety of stitches for different purposes*Saxon Brooches |
|  | **Mechanical Systems***Pulleys, gears or cams* Catapults**Science link – forces, materials**  | **Construction/Structures**Frame structuresViking Longboats to see whose will float longest**Science link –materials** |
| **Food**CheesecakesCookies | **Food**Moon Rock Cakes | **Food**Viking stew |
| Extra Cooking/Food objectives to meet Healthy Schools Award (NC and Core Competencies)* Apply the principles of a healthy, varied diet
* Prepare and cook mainly savoury dishes using a range of techniques
* Understand how a variety of ingredients are grown, reared, caught and processed
* Talk about people’s food choices including allergies, religion etc
* Read and make use of the main information on food and drink labels
* Consider cost when shopping for food
* Explore the factors involved in food choice and how it may be affected by availability, seasonality, need, cost, packaging, origin, culture, religion, allergy, intolerance, peer pressure
* Be aware that advertising can influence what they choose to eat
* Be aware of the importance of portion sizes
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| **Year Six** |
| **Construction/Materials**WWII fighter planes | **Mechanical Systems***Pulleys, gears or cams* Cable Cars**\*Science link** **- Soon to include electrical systems using Crumble** | **Electrical Systems***Using more complex switches and circuits (include programming, control and monitoring)*Buzzer game**\*Science link – electricity** |
| **Computing***Write code to control and monitor models or products.*Crossy Road game using Scratch**\*Computing link – coding** | **Computing***Model Designs using Software.*Using Sketch-Up to design own CAD based Ski Resort**\*Computing link – CAD** | **Textiles***Seam allowance, variety of stitches for different purposes, choosing materials for design purpose*Pennants |
| **Food**Ration Biscuits | **Food**Hobbit Hash | **Food**Helping in school kitchen? |
| Extra Cooking/Food objectives to meet Healthy Schools Award (NC and Core Competencies)* Prepare and cook mainly savoury dishes using a range of techniques
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