



# Churchside Federation Long Term Planning

## Subject: Science (Gooderstone) 2022-2023



Year Group	Impact Aut 1	Impact Aut 2	Change Spr 1	Change Spr 2	Community Sum 1	Community Sum 2
EYFS	<p><b>Understanding the World</b>            The Natural World: Children will explore the natural world around them, making observations and drawing pictures of animals and plants. Children will understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</p>					
Owls	<p><b>Animals</b>            Identify common animals</p> <p>Describe and compare the structure of a variety of common animals.</p> <p><b>Working scientifically:</b>            identify and classify observations over time and recording.</p> <p><b>Seasonal changes</b>  <b>Observation over time</b></p>	<p><b>Animals humans –</b>            identify name, draw and label human body/senses</p> <p><b>Working scientifically –</b>            asking questions and performing tests / senses</p>	<p><b>Everyday materials:</b>            Distinguish between an object and the material it is made. properties compare and group a variety of materials</p> <p><b>Working scientifically:</b>            Comparative tests            Linked to DT/History</p> <p><b>Seasonal changes</b></p>	<p><b>Plants</b> Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.</p> <p>Identify and describe the basic structures of a variety of common flowering plants</p> <p>Identify and name the roots, trunk, branches and leaves of trees</p> <p><b>Working Scientifically</b>            Research - What are the most</p>	<p><b>Animals:</b> identify and name common animals- herbivores and carnivores</p> <p><b>Working Scientifically</b>            Identify and Classify</p> <p><b>Seasonal changes</b></p>	<p><b>Everyday materials:</b>            Distinguish between an object and the material it is made. properties compare and group a variety of materials</p> <p><b>Working scientifically</b>            Pattern seeking</p>



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				common British plants?		
<b>Skylarks</b>	Y2 Everyday materials (paper/wood) working scientifically: compare uses of materials in school and other places, identify and classify materials Shouldham warren trip - impact of deforestation, what materials are used in place of plastic today? (wood mulch)	Living Things and their habitats Y2/3/4 - food chains/identify habitats - impact of bees on food chains -human impact on coral reefs - sea life study ( sea life centre trip) Y2/3/4 Animals including humans - basic needs of animals, including humans, for survival	Y3 - Forces and magnets - changes in train travel from steam (Brunel) to mag lev train (China). Y4 - Electricity - electric trains  Working scientifically - observing patterns.	Y4 - States of matter Working scientifically - observe changes in water as heated/cooled	Rocks - The Pebble in my Pocket book Working scientifically - identify and compare soil layers in Hunstanton rock, fossils.	Plants Working scientifically: Y2 - observe and record speed of growth Y3 - investigate and compare effect of different fertilisers.  **Y3 Light and Y4 sound covered previous year and to be covered next year as part of rolling curriculum
<b>Kestrels</b>	Y5: Forces  Working scientifically: Recording data and results of increasing complexity.  Taking measurements using a range of scientific equipment	Y5: Earth and Space Y6: Animals including humans  Working scientifically: Recording data and results of increasing complexity.  Taking measurements using a range of scientific equipment  Identifying scientific evidence.	Y6: Living things and their habitats  Working scientifically: Reporting and presenting findings.	Y6: Evolution  Working scientifically: Identifying scientific evidence.	Y5: Materials and their properties  Working scientifically: Taking measurements using a range of scientific equipment.  Using test results to make predictions.	Y6: Light Y6: Electricity  Working scientifically: Planning different types of scientific enquiries.  Taking measurements using a range of scientific equipment



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### Events:

19/9/22: Recycle Week  
1/10/22: Black History Months  
4/9/22: World space week  
3/11/22: Outdoor Classroom Day  
5/12/22: Computer Science Week  
10/3/23: British Science Week  
25/3/23: Earth Hour  
22/4/23: Earth Day  
5/5/23: World Environment Day  
8/5/23: World Oceans Day  
20/6/23: Anniversary of 1st Moon Landing

Planning: Include ½ termly SAW days. Science can be blocked and taught over a few days/week or as part of your weekly timetable.

### Useful Sites:

<https://www.stem.org.uk/>

<https://edu.rsc.org/primary-science/find-resources>

<https://www.commonsense.org/education/top-picks/terrific-websites-for-science>

<https://www.sciencedaily.com/news/top/science/>