

**Evercreech CofE Primary School**

**Science Medium-Term Plan – Autumn 1**

**NC objective:** Pupils should be taught to: Recognise that living things can be grouped in a variety of ways. Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. Recognise that environments can change and that this can sometimes pose dangers to living things.

Week	Learning Objectives	Resources
<b>1</b>	<ul style="list-style-type: none"> <li>To understand that living things can be grouped in different ways.</li> </ul>	Carroll diagrams, Venn diagrams.
<b>2</b>	<ul style="list-style-type: none"> <li>To classify living things using shared characteristics.</li> </ul>	Diagrams and tables.
<b>3</b>	<ul style="list-style-type: none"> <li>To explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment (animals).</li> </ul>	Classifying, grouping animals.  Using a key.
<b>4</b>	<ul style="list-style-type: none"> <li>To explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment (plants).</li> </ul>	Classifying, grouping animals.  Using a key.
<b>5</b>	<ul style="list-style-type: none"> <li>Identifying different habitats and the animals which live there.</li> </ul>	Using an explanation text to explore different habitats
<b>6</b>	<ul style="list-style-type: none"> <li>Recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ul>	Using an explanation text to explore endangered animals.  Art work on poster for how to save the animals.

## Science Medium-Term Plan – Autumn 2

**NC objective:** Pupils should be taught to: Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions. Construct and interpret a variety of food chains, identifying producers, predators and prey

Week	Learning Objectives	Resources
<b>1</b>	<ul style="list-style-type: none"> <li>Describe the simple functions of the basic parts of the digestive system in humans.</li> </ul>	
<b>2</b>	<ul style="list-style-type: none"> <li>Describe the simple functions of the basic parts of the digestive system in humans.</li> <li>Practical activity – create digestive system.</li> </ul>	Create using tights, food and water.
<b>3</b>	<ul style="list-style-type: none"> <li>Identify the different types of teeth in humans and their simple functions.</li> </ul>	
<b>4</b>	<ul style="list-style-type: none"> <li>Identify the different types of teeth in humans and their simple functions.</li> </ul>	Set up teeth experiment using eggs in different liquids.
<b>5</b>	<ul style="list-style-type: none"> <li>Identify the different types of teeth in animals and their simple functions.</li> </ul>	Observing experiment from previous week.
<b>6</b>	<ul style="list-style-type: none"> <li>Construct and interpret a variety of food chains, identifying producers, predators and prey.</li> </ul>	



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## Science Medium-Term Plan – Spring 1

**NC objective:** Pupils should be taught to: Compare and group materials together, according to whether they are solids, liquids or gases. Observe that some materials change state when they are heated or cooled, and

measure or research the temperature at which this happens in degrees Celsius (°C). Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

<b>1</b>	<ul style="list-style-type: none"> <li>To compare and group materials together, according to whether they are solids, liquids or gases</li> </ul>	Draw, label and describe each state, giving examples of materials for each.
<b>2</b>	<ul style="list-style-type: none"> <li>To observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)</li> </ul>	Books
<b>3</b>	<ul style="list-style-type: none"> <li>To observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)</li> </ul>	Rice Crispy cakes Microwave Bowls Spoons
<b>4</b>	<ul style="list-style-type: none"> <li>To identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.</li> </ul>	Jugs Measuring device
<b>5</b>	<ul style="list-style-type: none"> <li>To identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.</li> </ul>	Books



### Evercreech CofE Primary School

### Science Medium-Term Plan – Spring 2

**NC objective:** Pupils should be taught to: Identify how sounds are made, associating some of them with something vibrating. Recognise that vibrations from sounds travel through a medium to the ear ☒ find patterns between the pitch of a sound and features of the object that produced it. Find patterns between the volume of a sound and the strength of the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.

Week	Learning Objectives	Resources
<b>1</b>	<ul style="list-style-type: none"> <li>Identify how sounds are made, associating some of them with something vibrating.</li> </ul>	Cross curricular with music.

2	<ul style="list-style-type: none"> <li>Recognise that vibrations from sounds travel through a medium to the ear</li> </ul>	Cross curricular with music.
3	<ul style="list-style-type: none"> <li>Find patterns between the pitch of a sound and features of the object that produced it</li> </ul>	Sound items Instruments Forks
4	<ul style="list-style-type: none"> <li>Find patterns between the volume of a sound and the strength of the vibrations that produced it.</li> <li>Recognise that sounds get fainter as the distance from the sound source increases.</li> </ul>	
5	<ul style="list-style-type: none"> <li>Investigations</li> </ul>	Using different sounds.  Cup telephone experiment.



## Evercreech CofE Primary School

### Science Medium-Term Plan – Summer

**NC objective:** Pupils should be taught to: Identify common appliances that run on electricity. Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery .Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit. Recognise some common conductors and insulators, and associate metals with being good conductors.

1	<ul style="list-style-type: none"> <li>Identify common appliances that run on electricity.</li> </ul>	
2	<ul style="list-style-type: none"> <li>Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.</li> </ul>	Cells, wires, bulbs, switches and buzzers.

3	<ul style="list-style-type: none"> <li>Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.</li> </ul>	Cells, wires, bulbs, switches, lightbulbs and buzzers.
4	<ul style="list-style-type: none"> <li>Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.</li> </ul>	Cells, wires, bulbs, switches, lightbulbs and buzzers.
5	<ul style="list-style-type: none"> <li>Recognise some common conductors and insulators, and associate metals with being good conductors.</li> </ul>	Cells, wires, bulbs, switches, lightbulbs and buzzers. Materials