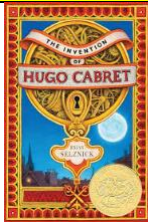




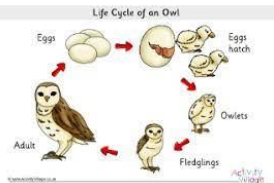

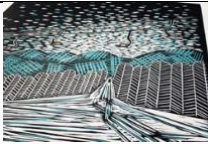




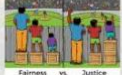



## Anfield Road Primary School Medium Term Plan Year 5

### Spring Term 2

#### What does it mean to be an explorer?

Curriculum Enhancements:																								
<b>English</b>																								
<b>Genre: Narrative:</b> novel Hugo by Brian Selznick		<b>Genre: Non-Fiction:</b> hybrid text that includes persuasive piece of writing fact file and a character description.		<b>Extra text to support</b> <b>Comprehension</b> <b>Shackletons Journey</b>																				
<b>Author Study:</b> Frank Cottrell Boyce																								
<b>Maths</b>																								
<b>Decimal numbers</b>	<table border="1" style="margin: auto;"> <tr> <td style="width: 20px; height: 20px; text-align: center;">o</td> <td style="width: 20px; height: 20px; text-align: center;">t</td> <td style="width: 20px; height: 20px; text-align: center;">h</td> <td style="width: 20px; height: 20px; text-align: center;">th</td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">2</td> <td style="text-align: center;">7</td> <td style="text-align: center;"></td> </tr> </table>	o	t	h	th	5	2	7		<b>Decimal percentage in fractions</b>	<table border="1" style="margin: auto;"> <thead> <tr> <th>Fraction</th> <th>Decimal</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td><math>\frac{14}{10}</math></td> <td>1.4</td> <td></td> </tr> <tr> <td><math>\frac{265}{100}</math></td> <td></td> <td>265%</td> </tr> <tr> <td><math>\frac{11}{10}</math></td> <td></td> <td></td> </tr> </tbody> </table>	Fraction	Decimal	Percentage	$\frac{14}{10}$	1.4		$\frac{265}{100}$		265%	$\frac{11}{10}$			<b>Converting measure</b>
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<b>Foundation Subjects</b>																								
<b>History - Achievements of mankind</b>	<b>Science – Animals, life cycles</b>	<b>Geography – eco, climate</b>	<b>Art – Printing lino</b>	<b>DT – Structures</b>																				
<b>Key Question:</b> Who was Ernest Shackleton?	<b>Key Question:</b> What is a life cycle?	<b>Key Question:</b> Why is Climate change such an important issue?	<b>Key Question:</b> Can you make a Lino print?	<b>Key Question:</b> Can you investigate the best shaped hull to break through ice?																				
																								
<b>Key knowledge:</b>	<b>Key knowledge:</b>	<b>Key knowledge:</b>	<b>Key knowledge:</b>	<b>Key knowledge:</b>																				

<ul style="list-style-type: none"> <li>• What do we know about Shackleton's expedition?</li> <li>• What was the Imperial Trans-Antarctic expedition?</li> <li>• Why is Ernest Shackleton known as a pioneer?</li> <li>• What new evidence have researchers discovered since they found the shipwreck Endurance?</li> <li>• Why do you think Shackleton's journey was so significant?</li> </ul>	<ul style="list-style-type: none"> <li>• Know plants reproduce both sexually and asexually.</li> <li>• Describe the life cycle of a duck (bird)</li> <li>• Describe the life cycle of a frog (amphibian)</li> <li>• Describe the life cycle of a moth (insect)</li> <li>• Understand the differences in life cycles of an amphibian, an insect, and a bird.</li> </ul>	<ul style="list-style-type: none"> <li>• Know what is meant by climate change</li> <li>• Know why climate change is such an urgent issue</li> <li>• Know why climate change has such a big impact on the world's poorest countries</li> <li>• How do rising sea levels affect climate change?</li> <li>• Know what the ozone layer is and why we should protect it.</li> </ul>	<p><b>Stanley Donwood</b></p> <ul style="list-style-type: none"> <li>• <b>Create simple image on paper to trace onto lino.</b></li> <li>• Use <b>lino cutters</b> to create a simple <b>lino-print template.</b></li> <li>• <b>Make a lino print</b></li> <li>• Experiment with the lino print to make some <b>repeating patterns.</b></li> <li>• Use more than one colour to create prints</li> </ul>	<p><b>Key Knowledge:</b></p> <p>Look at the pictures of different boats and ships. Ask the children what do they think the boat's job is? Discuss what makes travel more difficult for polar ships. Explain that these are called ice breakers. Show a metre stick. The RRS Sir David Attenborough can travel through ice that thick. Would it be easy or hard travelling through thick ice? Explain that the children will be exploring the best shape for the hull of a ship as it passes through sand. Work in Kagan teams to design and make a boat. Experiment with materials to make the strongest hull. Evaluate the boats.</p> <p><b>STEM Polar explorer Ice Challenge</b></p>
<p><b>Key Vocabulary:</b></p> <p>Expedition Survival Pioneer Researcher Endurance Preserved</p>	<p><b>Key Vocabulary:</b></p> <p>Asexual reproduction Sexual reproduction tuber runner Cuttings Fertilisation</p>	<p><b>Key Vocabulary:</b></p> <p>Ozone layer Greenhouse gases Global warming Methane Fossil fuels Greta Thunberg</p>	<p><b>Key Vocabulary:</b></p> <p>Lino print Lino Lino tool Ink pad Tracing Repeat pattern</p>	<p><b>Key Vocabulary:</b></p> <p>Hull Polar explorer Strengthen Structure</p>
<p><b>Foundation Subjects</b></p>				
<p><b>PSHE - Whole School theme – Freedom</b></p>	<p><b>RE – places of worship</b></p>	<p><b>Music –</b></p>	<p><b>PE – Boxing &amp; invasion games</b></p>	<p><b>Computing - E-mails</b></p>
<p><b>Key Question:</b> <b>How can drugs common to everyday life affect health?</b></p>	<p><b>Key Question:</b> <b>What would Jesus do? (Can we</b></p>	<p><b>Key Question:</b></p>	<p><b>Key Question:</b></p>	<p><b>Key Question:</b> <b>Can I send purposeful emails?</b></p>

	<b>live by the values of Jesus in the 21st century?)</b>			
	<p>How do Christians today try to follow Jesus' teaching about justice and fairness?</p> 			
<b>Key knowledge:</b>	<b>Key knowledge:</b>	<b>Key knowledge:</b>	<b>Key knowledge:</b>	<b>Key knowledge:</b>
<p>Some drugs are legal, but laws and restrictions related to them.</p> <p>Some drugs are illegal.</p> <p>How laws surrounding the use of drugs exist to protect us.</p>		<b>Land of Hope and Glory</b>	<b>Boxing throughout the year</b>	<p>Understand the potential benefits and risks of digital communication and that methods will vary according to purpose.</p> <p>Understanding of which tools are better for communicating or collaborating and those that can be used both.</p>
<b>Key vocabulary</b> Alcohol Nicotine Caffeine Prescription drugs Addiction	<b>Key vocabulary</b>	<b>Key vocabulary</b>	<b>Key vocabulary</b>	<b>Key vocabulary</b> Carbon Carbon copy Communicate discussion