



Key Facts	Diagram/Investigations	
<p>Many different animals live here including emperor penguins, fur seals and orcas, also known as killer whales.</p> <p>All penguins live in the southern hemisphere, which is the bottom half of the world.</p> <p>Emperor penguins' bodies and behaviour help them to survive. In extreme cold, the colony of penguins work together as a team, sharing their body heat.</p> <p>The penguins constantly shuffle, from the freezing cold outside of the huddle to the insulated inside, and then back again. Their bodies have a thick layer of feathers and fat.</p> <p>They eat fish but the males can last 4 months without food</p>	<div data-bbox="1102 331 1989 600"> </div> <p>Practical Investigation-linked to topic Frostbite is a real problem in the Antarctic. Test different types of insulation. Make a plastic fillable mitten: insulation, adaptation, prediction, fair testing, recording results, observation</p>	
Key Learning:	Prior Learning:	Books to support/ Enrichment Opportunities:
<p>Animal Survival and Growth</p> <p>Notice that animals have offspring which grow into adults.</p> <p>Penguin life cycle. Eggs, chick, adult</p> <p>Find out about and describe the basic needs of animals for survival (water, food and air).</p> <p>Living Things and Their Habitats -Adaptation</p> <p>Identify that penguins live in habitats to which they are suited</p>		<p>Enhancement- On-going Practical Investigation Incubate + hatch eggs</p> <p>Observe closely, using simple equipment. Life cycle of a penguin</p>

Subject Specific Vocabulary	
Key word	Definition
Emperor penguin	Flightless bird lives in Antarctica
Colony	A group of Emperor penguins
huddle	working together as a team, sharing their body heat
Habitat	Place where animals and plants live
Predator	Animal that eats other animals
Prey	Animal that is eaten
Food chain	Animals that eat plants are eaten by other animals
Life cycle	The process of life from birth to death
Egg	The beginning of life
Chick	baby bird
Adult	Fully grown
Incubate	Keeping an egg warm until ready to hatch