

Horncastle







During this unit, we will be looking at a variety of common animals including fish, amphibians, reptiles, birds and mammals.

Key Vocabulary		Mammals	Reptiles	Birds	Fish	Amphibians	
Animal	A living creature				*	*	
Fur	The fine, soft hair found on different animals	Mammals are warm- blooded.	Reptiles are cold- blooded.	Birds are warm- blooded.	Fish are cold- blooded and live in water.	Amphibians are cold- blooded and live both in water and on	
Webbed feet	Fingers and toes that are joined together to help with swimming	Most have hair or fur on their body.	They have dry, scaly skin.	They have feathers, wings and a beak.	They have fins and scales.	They have 3 life stages: egg, larvae and adult.	
Paw	The foot of a mammal	A local birdwatch					
Scales	Small plates that grow from the skin	We will carry out a bird watch within our local area of Horncastle. Working as scientists, we will gather and record data. To be able to compare different seasons, we will repeat a bird watch later					
Feathers	The soft covering on the outside of a bird	In the year for a comparison.					
Gills	Helps fish to breathe underwater	What scientific skills will I develop from this unit?					
Carnivores	An animal that eats other animals	 Classifying a variety of animals based on their physical structure, own criteria and what they can eat. Observe animals in our local environment over time. Generate different questions for investigations Using a variety of media to research information about animals including what they eat, their habitats specific characteristics. 					
Herbivores	An animal that eats plants						
Omnivores	An animal that eats other animals and plants						





The human body refers to all parts of the body that makes it possible for a human to survive and be healthy. This can be the internal or external parts of our body.





Key Vocabulary		Food Chains				
Habitat	A place where an animal or plant lives.	A food chain is a linear sequence of organisms through which nutrients and energy pass as one organism eats				
Desert	An area often covered in sand with very little rainfall.	another.				
Ocean	A large area of sea water.	Habitat The place where an organism lives is known as a habitat. The word itself comes from a Latin word meaning 'it dwells'. Habitats are made up of physical factors, resources and other organisms a species will need to interact with in order to survive.				
Microhabitat	A very small habitat.					
Diet	The food eaten by an animal.					
Woodland	A large area with trees, shrubs and ferns.					
Living	Something that is alive.	Living, Dead or Never Alive				
		Living	Dead	Never Alive		
Dead	Something that was living but is now not alive.	Trees	Bones	Metal		
Never Alive	Something that has never been alive.	Animals	Plants Leaves	Stone		
Food Chain	The energy passed from one animal or plant to another when eaten.					





Year 3 Knowledge Organiser - Science

Light



Enquiry question: How does the distance between the light source and the object affect the size of a shadow?



Key Vocabulary					
Light source	Objects that give out light				
Natural light source	Objects in nature that give out light				
Opaque	A material that light cannot pass through. You cannot see through it.				
Artificial light source	Light sources made by humans				
Potential dangers	The possibility that someone or something may be harmed.				
Protection	To keep something safe from harm.				
Reflect	When light bounces off a surface.				
Shadow	These are formed when an object blocks light.				
Translucent	A material that lets some light through but not all of it.				
Transparent	A material that is completely see through so that all light can pass through.				

