



# Design and Technology

Automata Animals

# Amazing Animals



# Aim

- I can research ideas about different animals to inform my design.

# Success Criteria

- I can use the Internet and information books to research endangered and vulnerable animals.
- I can gather ideas and explain how they move to inform my design.
- I can gather ideas and explain their appearance and habitat to inform my design.



# Design Brief



The 'World Wide Fund for Nature' is an international non-governmental organisation founded on April 29, 1961.

It works on issues regarding the conservation, research and restoration of the environment.





# Design Brief

The WWF (World Wide Fund for Nature) want to get people interested in caring for the endangered/vulnerable animals which live on our planet.

They think it would help if people could see the animals in more detail.

The WWF do not believe it is ethically correct to put live animals on display. They believe that animals should be left to thrive in their natural habitat.

A different way to show the animals could be to use working, moving models.

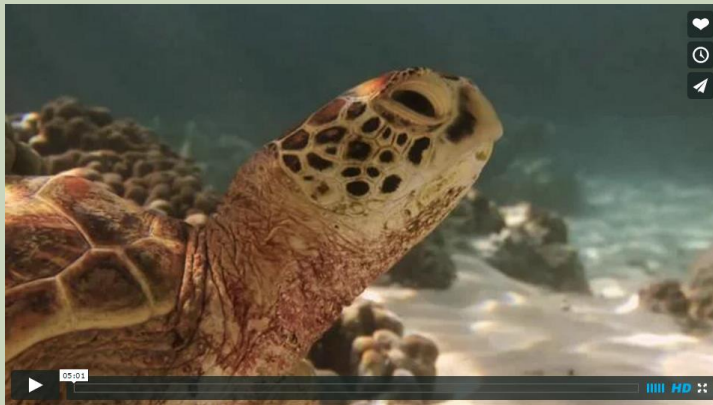
**Design Brief** –To create a collection of appealing moving mechanical animal models (automata animals) that will captivate people's interest.

# Describing Animals



There are certain animals that are endangered/vulnerable that the WWF would like you to focus on.

Watch this video about a sea turtle, which is an endangered animal.



As you watch the short clip fill in the Exploring Animals Activity Sheet.

Exploring Animals				als	
[ ]				[ ]	[ ]
Name	Movement	Appearance	Habitat	Habitat	Habitat
Sea turtle					
Adelie penguin					
Bottlenose dolphin					
Giant panda					
Orangutan					

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# Describing Animals



Now think about the Adélie penguin - a vulnerable animal.

You can tell Adélie penguins apart from other penguins by their simple black and white markings and the distinct white ring around their eyes.



As you watch the short clip fill in the Exploring Animals Activity Sheet.

Exploring Animals				als	
<input type="text"/>				<input type="text"/>	<input type="text"/>
Name	Movement	Appearance	Habitat	Habitat	Habitat
Sea turtle					
Adélie penguin					
Bottlenose dolphin					
Giant panda					
Orangutan					

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# Further Research



In preparation for making a realistic working model of an animal with moving actions you will research the different characteristics of endangered animals.

Exploring Animals		
<input type="text"/>		
Name	Movement	Appearance
Sea turtle		
Adélie penguin		
Bottlenose dolphin		
Giant panda		
Orangutan		
Bengal tiger		
Black rhino		
Snow leopard		
Asian elephant		

Exploring Animals		
<input type="text"/>		
Name	Movement	Appearance
Sea turtle		
Adélie penguin		
Bottlenose dolphin		
Giant panda		
Orangutan		
Bengal tiger		
Black rhino		

Exploring Animals			
<input type="text"/>			
Name	Movement	Appearance	Habitat
Sea turtle			
Adélie penguin			
Bottlenose dolphin			
Giant panda			
Orangutan			

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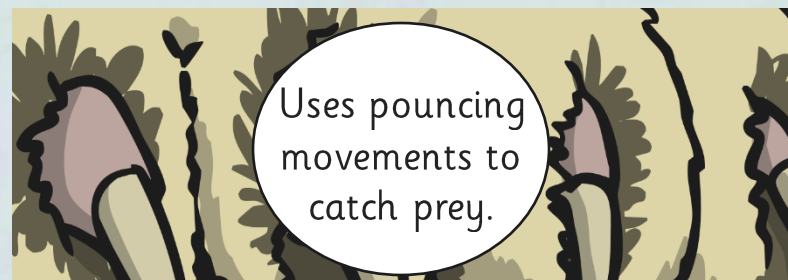


# Classifying

Look at these headings.

On your sticky note, write the name of an animal that you have looked at today which would belong in that group.

Have you found an animal that belongs under two or more headings?



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