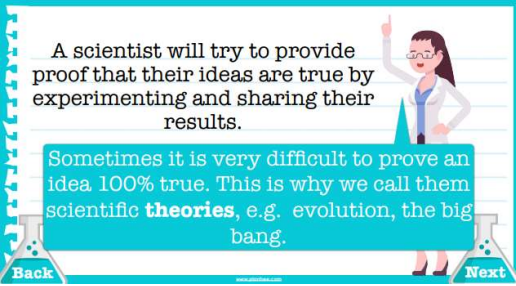
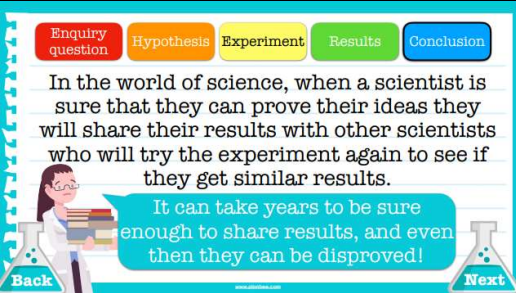
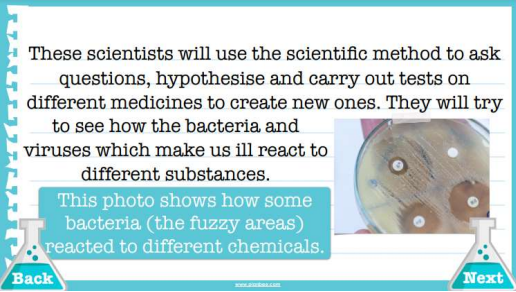
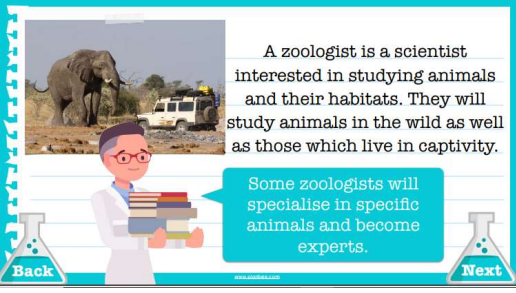
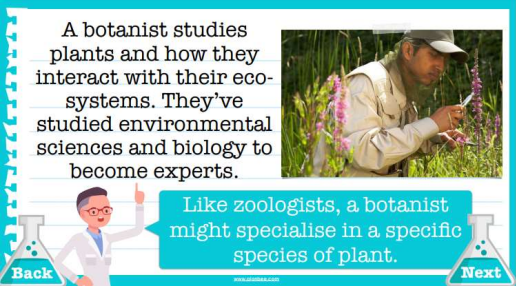


St. Martin's Primary School - Science

Topic: What do Scientists do?

Year: 4

Strand: Working Scientifically

What should I already know?		Vocabulary	
<ul style="list-style-type: none"> • How to make predictions • How to look for patterns • How to talk about what I have found out 	biology		the study of living things
	chemistry		the study of the substances that
	conclusion		the end of a process
What will I know by the end of the unit?		enquiry	the process of finding out information
<p>What does a scientist do?</p> 	experiment	a scientific test	
	fair test	a scientific test where you only change one variable and keep everything else the same	
	hypothesis	an idea or explanation based on little evidence	
	investigation	a source of finding out information in order to answer a question	
	method	how something is done	
	observation	looking closely at or monitoring something	
<p>What steps are involved in the scientific method?</p> 	physics	the study of forces and energy	
	theory	an idea of how something works or has been done	
	variables	an element or feature that can be changed	
Types of Scientist and What They Study			
<p>How do scientists help to develop new medicines?</p> 	Chemist	The composition of things	
	Biologist	Living things	
	Physicist	Forces	
	Geologist	The Earth	
	Zoologist	Animals	
	Botanist	Plants	
<p>How do scientists help us to look after the world around us?</p>  	Microbiologist	New medicines	
	Forensic Scientist	Crime scenes	
	Physiologist/ Sports Scientist	How the body is built, how it moves and reacts.	
Investigate!			
<p>Can you think of your own enquiry questions and follow the scientific method to find a conclusion?</p> <ul style="list-style-type: none"> • How can we jump further? • Which coat gives the best protection against the rain? • What helps sugar dissolve quickly? 			

St. Martin's Primary School - Science

Topic: What do Scientists do?

Year: 4

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Question 1: What is the first thing a scientist does?

Start of unit:		End of unit:	
Experiment		Experiment	
Ask a question		Ask a question	
Make observations		Make observations	
Make a prediction		Make a prediction	

Question 2: What are the three main strands of science?

Start of unit:		End of unit:	
1.		1.	
2.		2.	
3.		3.	

Question 3: In a fair test you should...

Start of unit:		End of unit:	
Only change one variable		Only change one variable	
Change all the variables		Change all the variables	
Change no variables		Change no variables	

Question 4: What do these scientists study?

Start of unit:		End of unit:	
Botanist		Botanist	
Geologist		Geologist	
Zoologist		Zoologist	

Question 5: A list of steps you follow in your investigation is called...

Start of unit:		End of unit:	
Observation		Observation	
Prediction		Prediction	
Method		Method	