



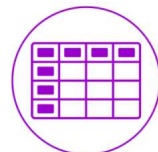







The Pochin School Science Overview

In our Science lessons, we aim to ensure that both our pupils' **substantive and disciplinary knowledge** is built upon year on year.

Substantive Knowledge: Knowledge and 'substance' of our curriculum e.g. should aim to create big idea thinking in the fundamental areas of biology, chemistry and physics.

Disciplinary Knowledge: The scientific skills our children develop how they interpret scientific evidence.

Substantive Strands for Learning						
Animals including Humans	Living Things and their Habitats	Materials and their Properties	Plants	Forces	Electricity	Sound
Disciplinary Knowledge						
Asking Scientific Questions 	Planning an Enquiry 	Observing Closely 	Taking Measurements 	Gathering and Recording Results 		
Presenting Results 	Interpreting Results 	Drawing Conclusions* 	Making Predictions* 	Evaluating Enquiries* 		

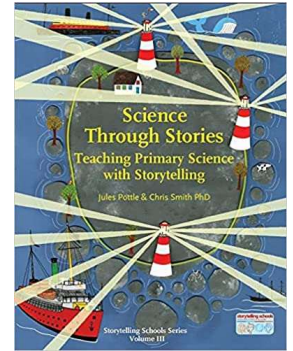
* KS2 Only

Vocabulary:

Pupils knowing how to use vocabulary to become articulate scientists. See 'Vocabulary Progression' document.

Stories to bring Science to life

At the Pochin School, we aim to bring Science to life and link it to the wider curriculum and link it to our world.



Cycle A				
Class 1	Class 2	Class 3	Class 4	Class 5
Seasonal Changes (Y1) Materials (Y1)	Seasonal Changes (Y1) Materials (Y1)	Light (Y3) Forces (Y3)	Light (Y3) Forces (Y3)	Light (Y6) Electricity (Y6)
Seasonal Changes (Y1) Plants (Y1)	Seasonal Changes (Y1) Plants (Y1)	Forces in Action (Y5) Earth and Space (Y5)	Forces in Action (Y5) Earth and Space (Y5)	All Living Things and their Habitats (Y6) Evolution and Inheritance (Y6)
Seasonal Changes (Y1) Animals including Humans (Y1)	Seasonal Changes (Y1) Animals including Humans (Y1)	Sound (Y4)	Sound (Y4)	Animals including Humans (Y6)

Cycle B

Class 1	Class 2	Class 3	Class 4	Class 5
Seasonal Changes (Y2) Use of Everyday Materials (Y2)	Seasonal Changes (Y2) Use of Everyday Materials (Y2)	States of Matter (Y4) Properties and Changes in Materials (Y5)	States of Matter (Y4) Properties and Changes in Materials (Y5)	Light (Y6) Electricity (Y6)
Seasonal Changes (Y2) Plants (Y2)	Seasonal Changes (Y2) Plants (Y2)	Plants (Y3)	Plants (Y3)	All Living Things and their Habitats (Y6) Evolution and Inheritance (Y6)
Seasonal Changes (Y2) Animals including Humans (Y2)	Seasonal Changes (Y2) Animals including Humans (Y2)	All Living Things and their Habitats (Y4 and Y5)	All Living Things and their Habitats (Y4 and Y5)	Animals including Humans (Y6)

Cycle C

Class 1	Class 2	Class 3	Class 4	Class 5
Seasonal Changes (Y1) Materials (Y1)	Seasonal Changes (Y1) Materials (Y1)	Animals including Humans (Y3 and Y4)	Animals including Humans (Y3 and Y4)	Light (Y6) Electricity (Y6)
Seasonal Changes (Y1) Plants (Y1)	Seasonal Changes (Y1) Plants (Y1)	Electricity (Y4) Rocks (Y3)	Electricity (Y4) Rocks (Y3)	All Living Things and their Habitats (Y6) Evolution and Inheritance (Y6)
Seasonal Changes (Y1) Animals including Humans (Y1)	Seasonal Changes (Y1) Animals including Humans (Y1)	Animals including Humans – Change/SRE (Y5)	Animals including Humans – Change/SRE (Y5)	Animals including Humans (Y6)