



Pinner Wood School



Year Group	3	Term	Autumn 1	Subject	Science	Topic	Scientific Process
						Key Question	What do scientists do?
Prior Learning and other Curriculum Links	<p>Year 1</p> <ul style="list-style-type: none"> I can do tests. I can use my observation and ideas to suggest answers to questions. I can collect and record data to help answer questions. <p>Year 2</p> <ul style="list-style-type: none"> I can look closely, using equipment. I can do tests. I can use my observation and ideas to suggest answers to questions. I can collect and record data to help answer questions. 					Skills Statements	<ul style="list-style-type: none"> I can ask questions and use different types of scientific enquiries to answer them. I can set up simple practical enquiries, comparative and fair tests. I can make observations and take measurements using standard units, using a range of equipment, including thermometers. I can gather, record, classify and present data in a variety of ways to help in answering questions. I can record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables. I can report on findings from enquiries, including spoken and written explanations, displays or presentations of results and conclusions. I can use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions. I can explain differences, similarities or changes related to simple scientific ideas and processes. I can use straightforward scientific evidence to answer questions or to support my findings.

Fundamentals	<ul style="list-style-type: none"> • I can ask questions and use different types of scientific enquiries to answer them. • I can set up simple practical enquiries, comparative and fair tests. • I can make observations and take measurements using standard units, using a range of equipment, including thermometers. • I can gather, record, classify and present data in a variety of ways to help in answering questions. • I can record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables. • I can report on findings from enquiries, including spoken and written explanations, displays or presentations of results and conclusions. • I can use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions. • I can explain differences, similarities or changes related to simple scientific ideas and processes. <p>I can use straightforward scientific evidence to answer questions or to support my findings.</p>	Key Facts/Sticky Knowledge	<ol style="list-style-type: none"> 1) The scientific method is: Enquiry questions Hypothesis Experiment Results Conclusion 2) Finger prints are used to help find out who committed a crime. They are individual to each person. 3) A fair test is an experiment to answer a scientific question where only one thing is changed. Everything else is kept the same.
Our Curriculum Journey	<p>The children will begin by learning the scientific method. They will use this method to scaffold their own experiment later in the term. Following this the children will learn about what scientists do e.g. biologists, chemists and physicists. The children will then learn about how scientists use finger prints to investigate crime scenes. After that, they will move on to understanding how to make a test fair. Then, they will learn about using observations to draw conclusions about finding. Finally, the children will create their own experiment using the scientific method as the structure.</p>		

Key Vocabulary (revisited)		Key Vocabulary (new)	Chemistry Physics Biology Observation Experiment Hypothesis Dependent variable Independent variable