

Vocabulary: gravity, electricity, prism, reflexes, senses, germs, circuit
Where topic fits in

Week	Intent	NC Links	Implementation	Impact
1 05.01	To investigate the effect gravity has on everyday objects.	asking simple questions and recognising that they can be answered in different ways	Children will learn about some of the work of Isaac Newton, then explore ways in which the speed of falling objects can be affected during either included practical activity.	Can the children use their own knowledge to make predictions? Can the children observe patterns? Can the children talk about what they have found out?
2 12.01	To investigate what happens to light when it passes through different transparent objects.	observing closely, using simple equipment performing simple tests	Children will learn about Isaac Newton's work and discoveries regarding light, then conduct practical investigations where they will change the ways in which light passes through transparent objects.	Can the children use their own experiences to make predictions? Can the children observe patterns? Can the children talk about what they have found out?
3 19.01	To investigate whether sound can pass through materials.	using their observations and ideas to suggest answers to questions	Children will learn about some of the work of Alexander Graham Bell, then conduct practical investigations to explore ways in which sound travels through different materials.	Can the children use their own experiences to make predictions? Can the children observe patterns? Can the children talk about what they have found out?
4 26.01	To investigate our senses and reflexes.	gathering and recording data to help in answering questions.	Children will learn about some significant historical discoveries about the body, then conduct practical investigations where they either test their reflexes, or use their senses of touch, taste and smell.	Can the children use their own experiences to make predictions? Can the children observe patterns? Can the children talk about what they have found out?
5 02.02	To investigate how germs are transferred by touching things.		Children will learn about the work of significant scientists who studied how diseases. They will then either create information texts about staying healthy, or explore how germs are transmitted using a scientific mode	Can the children use their own experiences to make predictions? Can the children observe patterns? Can the children talk about what they have found out?
6 09.02	To investigate electrical circuits to make a lightbulb light up.		Children will learn about some of the work of Thomas Edison, then make, test, change or improve their own electrical circuits.	Can the children use their own experiences to make predictions? Can the children observe patterns? Can the children talk about what they have found out?