

# SMITH'S WOOD LEARNING JOURNEY

## Y11 Science



During the Summer term, we'll focus on thorough preparation for your GCSE exams. We'll start by reviewing key topics. We'll have dedicated sessions to reinforce your understanding and practice exam techniques. Together, we'll ensure you're well-prepared for your six science exams. Let's work hard and make this term a success!



GCSE exams



SUMMER TERM

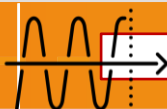
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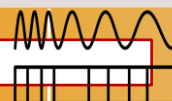
During the Spring term, we'll explore some captivating science topics! We'll start with Waves, learning about transverse and longitudinal waves, as well as reflection and refraction. Next, we'll dive into Magnetism and Electromagnetism, understanding magnetic fields, electromagnets, and transformers. Get ready for an exciting and informative term!



Magnetism and electromagnetism



Waves



SPRING TERM

Chemical analysis



Forces



During the Spring term, we'll delve into some fascinating science topics! We'll begin with The Rate and Extent of Chemical Change, learning about rates of reaction and collision theory. Next, we'll explore Organic Chemistry, focusing on crude oil, hydrocarbons, and alkanes. Then, we'll study Chemical Analysis, understanding how to analyse and identify different substances. Finally, we'll cover Forces, discussing scalar and vector quantities, describing motion, and Newton's laws. Get ready for an exciting and informative term!

Organic chemistry



The rate and extent of chemical change

AUTUMN TERM