

# KS3 Science

The Periodic Table

Plants and ecosystems – Food chains, food webs, plant reproduction and pollination types

Chemical reactions



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Earth's resources & the carbon cycle

Cells and organisation – Cells as the fundamental unit of living organisms and functions of different parts of the cell

Forces – Push, pull, friction, speed, air resistance and streamlining



Summer Term

Earth and the atmosphere

Revision of biology units and completion of outstanding units

The nervous system & hormonal control



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Medicinal drugs and the role of white blood cells

Respiration system, lifestyles and health leading into infectious diseases

The human body



Spring Term

The electromagnetic spectrum and its uses

Electricity, Magnetism and waves – Longitudinal and transverse waves, wave properties

Magnetism and waves



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Elements, compounds and mixtures

States of matter, forms of carbon, mixtures, metals & ores and properties of metals

Electricity– Circuits, A.C. and D.C. current



Autumn Term

“Everything is theoretically impossible, until it is done.”  
Robert A. Heinlein

The aim of the Science curriculum is to develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics, to develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them and to ensure students are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.