

PRIMARY YEARS

AIMS

Our Primary programme helps learners to lay the foundations for lifelong learning, including:

- curiosity about the world around them and enthusiasm for learning
- knowledge, understanding and skills that can be applied in and across subjects
- effective and confident communication skills, including in English
- understanding of their personal and local context, as well as having global awareness.

OVERVIEW OF THE STRANDS AND SUBSTRANDS

PRIMARY YEARS

STRAND	SUBSTRANDS
THINKING AND WORKING SCIENTIFICALLY	PURPOSE AND PLANNING
	CARRYING OUT SCIENTIFIC ENQUIRY
	ANALYSIS, EVALUATION AND CONCLUSIONS
SCIENTIFIC ENQUIRY	
BIOLOGY	STRUCTURE AND FUNCTION
	LIFE PROCESSES
CHEMISTRY	MATERIALS AND THEIR STRUCTURE
	PROPERTIES OF MATERIALS
	CHANGES TO MATERIALS
PHYSICS	FORCES AND ENERGY
	LIGHT AND SOUND
	ELECTRICITY AND MAGNETISM
EARTH AND SPACE	PLANET EARTH
	EARTH IN SPACE

SCIENCE IN CONTEXT

STUDENTS LEARN HOW TO:

- Talk about how some of the scientific knowledge and thinking now was different in the past.
- Talk about how science explains how objects they use, or know about, work.
- Know that everyone uses science and identify people who use science professionally.
- Talk about how science helps us understand our effect on the world around us.

SCIENCE 6, 7, 8 & 9

Secondary is an important period of progression during which we strive to help our students to develop their skills and reach their full potential.

Our high-quality science education provides the foundations for understanding the world through the specific disciplines of Biology, Chemistry and Physics. Science has changed our lives and it is vital that all students be taught essential aspects of the knowledge, methods, processes, and uses of science, and most importantly; develop a sense of excitement and curiosity for the subject.

The Science curriculum is taught in the middle school in preparation for the IGCSE. The Lower Secondary Science Curriculum helps our students to develop their skills and reach the full potential required for distinction in the Upper Secondary Stage.

Our high-quality science education provides the foundations for understanding the world through the specific disciplines of Biology, Chemistry and Physics.

CONTENT STRANDS

BIOLOGY	Learners enjoy the study of living things and how they interact with each other. Learners develop understanding about life processes, including how the structure and development of cells and systems allows them to maintain these processes, and ecosystems.
CHEMISTRY	Learners develop understanding of atoms, elements and compounds including how substances interact and understand the properties of different substances.
PHYSICS	Learners develop understanding about energy and forces, how light and sound behave, and how magnets, including electromagnets, interact.
EARTH AND SPACE	Learners develop understanding about how the Earth's structure is linked to natural phenomena including how the atmosphere and climate are linked. They also develop their understanding of the universe outside of Earth by considering the wider Solar System and beyond.

YEAR NINE

Students study the core curriculum of Biology, Chemistry and Physics. At the end of the year, students sit for comprehensive exams set against the latest standards of Cambridge IGCSE Programmes. The exams include all what has been learnt throughout the year.