

Science at Robert Ogden school

At the Robert Ogden School, science lessons are taught to promote and develop investigation, enquiry, independence and questioning skills about the world around them in an engaging and interesting way. Learners are given opportunities to experience awe and wonder, through multiple sensory experiences, scientific investigations and bespoke teaching.

We deliver different teaching and learning approaches, relating to age, learner needs and delivery and learning styles, which make up our three curriculum pathways: Learning To Learn (Standards 1-5), Ready To Learn (Standards 6-11) and Applied Learning (Standard 12 up to GCSE level).

Pupils on the Learning to Learn pathway do not access specific science lessons. They are given the opportunity to learn by experiencing, responding and participating in theme-based lessons. Pupils on the Ready to Learn pathway access at least one lesson of science per week where they learn through experiments, practice and discussions. Pupils have opportunities to predict what may happen in experiments before they conduct them. Staff encourage pupils to use their interpretation skills to come up with a conclusion. Once pupils reach Standard 12, they have opportunities to learn Biology, Physics and Chemistry and access formal examinations e.g. Entry level science (AQA) and iGCSE Biology (Edexcel).

This is an example of the Long Term Plan for Ready to Learn pathway:

Long Term Plan- Science (Ready to Learn)							
		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Standards 6-8	A	Animals including humans	Rocks and Soils	Materials	Living things and their habitats	Seasons and plants	Electricity
	B	Forces and magnets	Animals including humans	Materials	Living things and their habitats	Light	Plants
Standards 9-11	A	Materials	States of Matter	Animals including humans	Living things and their habitats	Electricity	Evolution and inheritance
	B	Light	Sound	Forces	Animals including humans	Earth and space	Living things and their habitats