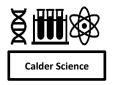
Science Curriculum Overview



The Science Faculty at Calder Learning Trust aims to provide students with a vertically integrated Science curriculum which builds on prior knowledge in a logical, progressive sequence throughout their school career. It provides an understanding of the natural phenomena that surrounds us whilst seeking to instil a curiosity in students to ask questions about the world around them. Students will develop an appreciation of the massive contribution Science has made to the world they know and an understanding of the relevance of Science to their lives. In providing a range of skills that can be applied to other curriculum areas, students will have an understanding of how the Science curriculum feeds into the wider school curriculum. This leads to a curriculum which nurtures an enjoyment of Science and a positive attitude to the subject.

Autumn Term - Year 7	Spring term - Year 7	Summer Term - Year 7
Chemistry Foundations – Atoms	Biology Foundations – Cells	Chemistry 1 – Elements and
Physics Foundations – Energy	Science Foundations – Matter	mixtures
	and movement	Physics 1 - Forces
	Biology 1 – Particle movement	Biology 2 – Producers
	in organisms	Chemistry 2 – Chemical Change
Autumn Term - Year 8	Spring term - Year 8	Summer Term - Year 8
Chemistry Foundations – Atoms	Biology Foundations – Cells	Physics 4 – Behaviour of sound
Physics Foundations - Energy	Physics 3 – Properties of waves	Chemistry 4 – Cycles and
	Chemistry 3 – Earth structures	human impact
	and resources	Physics 5 – Behaviour of light
	Biology 4 – Interdependence	Chemistry 5 – Reaction
		pathways
Autumn Term - Year 9	Spring term - Year 9	Summer Term - Year 9
Chemistry Foundations – Atoms	Biology Foundations – Cells	GCSE Biology Unit 1 – Cell
Physics Foundations – Energy	Physics 7 - Potential difference	structure
	and electromagnets	GCSE Chemistry Unit 1 –
	Chemistry 7– Metals and non-	Atomic structure and the
	metals	periodic table
	Biology 8 – Inheritance	GCSE Physics Unit 3 – Particle
	Biology 9 – Effects of lifestyle	model of matter
Autumn Term - Year 10	Spring term - Year 10	Summer Term - Year 10
Biology - Infection and response	Biology – Bioenergetics	Biology - Homeostasis
Chemistry - Chemical changes	Chemistry - Quantitative	Chemistry - Chemistry of the
Physics - Radiative: Waves	Chemistry	Atmosphere
Physics - Mechanical: Forces	Physics - Electrical and	Physics - Mechanical Forces
,	Radiative Electricity/waves	Physics - Mechanical and
	Biology - Ecology	Electrical
	Chemistry - Energy changes	
	Physics - Mechanical Forces	
Autumn Term - Year 11	Spring term - Year 11	Summer Term - Year 11
Biology – Homeostasis	Biology – Inheritance, variation	
Chemistry – Energy changes	and evolution	Revision and examinations
Chemistry - Rate and extent of	Chemistry – Organic Chemistry	
chemical change	Chemistry - Chemical analysis	
Physics - Mechanical: Magnetism	Physics - Energy	
and electromagnetism	Physics - Radiative: Atomic	
	structure and radioactivity	