

SCIENCE STATEMENT OF AIMS

THE AIM OF THE KS3 CURRICULUM IS TO DEVELOP...

SUCCESSFUL LEARNERS

KS3 Science enriches students' awareness of the big ideas that underpin scientific knowledge and understanding: **Cells and organisation, Energy, Particles, Earth and its Atmosphere, Chemical Reactions, Forces, Space, Genetics and Interdependence.**

CONFIDENT, INSPIRED INDIVIDUALS

KS3 Science also seeks to develop students' ability to work scientifically, through experimentation and investigation. Alongside this, students learn the importance of scientific models and the way in which theories develop. By undertaking **scientific enquiry** students are given the chance to develop their **critical thinking and analytical skills.**

ASPIRING, RESPONSIBLE CITIZENS

KS3 Science aims to help students to understand how human actions have shaped our world and how, through the advancement of Science, we might shape it in the future.

CURRICULUM MAP KS3

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Y7	<i>Why am I not a plant?; How do things move?; What is everything made of?</i>		<i>Where did I come from?; What will happen if I mix these?; How does anything ever happen?</i>		<i>Are all living things connected?; Can I drink this?</i>	
ASSESSMENT	AP1: Progress checks & teacher assessment: Cells and organisation, Particles, Forces, Working scientifically		AP2: Mid-year exam & Progress checks: Cells and organisation, Particles, Forces, Chemical Reactions, Energy, Working scientifically		AP3: End-of-year exam & Progress checks: Cells and organisation, Interdependence, Genetics, Particles, Chemical Reactions, Energy, Forces, Working scientifically	
Y8	<i>Would it matter if there were no plants?; Did the world always look like this?; Why do we need the Sun?</i>		<i>How do we keep going?; What are the ingredients of everything?; How do my headphones work?</i>		<i>What could our legacy be?; Why is gold so expensive?; What even is electricity</i>	
ASSESSMENT	AP1: Examination, progress checks & teacher assessment: Interdependence, Energy, Earth and Atmosphere, Working scientifically		AP2: Mid-year exam & Progress checks: Interdependence, Energy, Earth and Atmosphere, Chemical Reactions, Working scientifically		AP3: End-of-year exam & Progress checks: Cells and organisation, Interdependence, Genetics, Particles, Chemical Reactions, Energy, Forces, Space, Working scientifically	
Y9	<i>Biology: How do you build an animal? (Cell structure) Chemistry: How do we separate what everything's made of? (Separating techniques, atoms) Physics: Is the world predictable? (Speed and forces)</i>		<i>Biology: How do you build an animal? (Human digestion incl enzymes) Chemistry: How do substances stick together? (Periodic table and bonding) Physics: Is the world predictable? (Electrostatics and matter)</i>		<i>Biology: How do you build an animal? (Respiration) Chemistry: How do substances stick together? (Bonding) Physics: How hard do your socks work? (Work, energy and springs) Can I put an elephant in space? (Pressure & Moments)</i>	
ASSESSMENT	AP1: Examination, progress checks & teacher assessment: Cells and organisation, Particles, Forces, Energy		AP2: Mid-year exam & Progress checks: Energy, Cells and organisation, Mixtures, Particles, Forces		AP3: End-of-year exam & Progress checks: Cells and organisation,, Particles, Mixtures, Forces, Energy	