

Year 7 - My Science Learning Journey

Year		Where from? KS2	What now ? KS3	Where next ? KS3 and 4
Year 7	Autumn to Spring	What is a fair test; how to compare results from tests	Working scientifically	KS3 practical investigations; KS4 Required practical investigations
		The human body	KS3 B1 Living systems	KS4 B1 Cell biology
		Classifying substances; changes of state; separating mixtures,	KS3 C1 Particles	KS3 C2 Atoms, elements and compounds
		Types of forces; effects of forces	KS3 P1 Forces and motion	KS3 P2 Levers, moments and pressure; KS4 P5 Forces
	Spring to Summer	Digestion food and nutrition	KS3 B2 Diet and health	KS4 B2 Organisation
		Chemical changes produce new materials	KS3 C2 Atoms, elements and compounds	KS4 C1 Atomic structure and the periodic table
The effects of levers, pulleys and gears		KS3 P2 Levers, moments and pressure	KS4 P5 Forces	

Year 8 - My Science Learning Journey

Year		Where from? KS2	What now ? KS3	Where next ? KS3 and 4
Year 8	Autumn to spring	Classification and keys	KS3 B3 Genetics and evolution	KS4 B6 Inheritance, Variation and evolution
		Properties of materials	KS3 C3 Periodic table and reactivity	KS3 C4 Chemical reactions KS4 Bonding, structure and the properties of matter
		Properties of magnets and magnetic materials	KS3 P3 Electricity and electromagnetism	KS4 P2 Electricity KS4 P7 Magnetism and electromagnetism
		What plants need to grow; How water is transported	KS3 B4 Photosynthesis and respiration	KS4 Bioenergetics
		Chemical changes produce new materials	KS3 C4 Chemical reactions	KS4 C4 Chemical changes KS4 Bonding, structure and the properties of matter; KS4 C6 The Rate and Extent of Chemical change
		Electrical appliances run on electricity Simple circuit diagrams	KS3 P4 Energy	KS4 P1 Energy; KS4 C5 Energy changes
	Spring to Summer	The life of plants; life cycles of animals; growth	KS3 B5 Reproduction	KS4 B5 Homeostasis and response
		Properties of materials; classifying materials	KS3 C5 Materials and everyday chemistry	KS4 Bonding, structure and the properties of matter; KS4 C6 The Rate and Extent of Chemical change
		Properties of light; Properties of sound	KS3 P5 Waves	KS4 P6 Waves

Year 9 - My Science Learning Journey

Year		Where from? KS3	What now ? KS4	Where next ? KS4
Year 9	Autumn	Habitats; food chains; environments can change	KS3 B6 Ecosystems	KS4 B7 Ecology
		Rocks, fossils and soil	KS3 C6 The Earth	KS4 C9 Chemistry of the atmosphere; KS4 C10 Using resources
		Effects of gravity	KS3 P6 Space	KS3 P8 space physics (Physics only)
	Spring	KS3 B1 Living systems	Big Ideas in Biology: Cells	KS4 B2 Organisation
		KS3 C2 Atoms, elements and compounds	Big Ideas in Chemistry: Atoms	KS4 C2 Bonding, structure and the properties of matter
	Summer	KS3 P4 Energy	Big Ideas in Physics: Energy	KS4 P2 Electricity
		KS3 B2 Diet and Health	Big Ideas in Biology: Health	KS4 B3 Infection and response KS3 B4 Photosynthesis and respiration
		KS3 C4 Periodic table and reactivity	Big Ideas in Chemistry: Reactivity	KS4 C4 Chemical changes KS4 C5 Energy changes
	KS3 P3 Electricity and electromagnetism	Big Ideas in Physics: Electricity	KS4 P6 Waves KS4 P7 Magnetism and electromagnetism	

Year 10 Combined Science - My Science Learning Journey

Year		Where from? KS3	What now ? KS4	Where next ? KS4
Year 10	Autumn to Spring	KS3 B2 Diet and health	KS4 B3 Infection and response	KS4 B5 Homeostasis and response
		KS3 C4 Chemical reactions	KS4 C4 Chemical changes part 2	KS4 C3 Quantitative chemistry KS4 C5 Energy changes
		KS3 B4 Photosynthesis and respiration	KS4 B4 Bioenergetics	KS4 B7 Ecology
		KS3 C1 Particles KS4 C2 Bonding, structure and the properties of matter	KS4 P3 Particle model of matter	KS4 P4 Atomic structure KS4 P8 space physics (Physics only)
		KS4 C2 Bonding, structure and the properties of matter KS4 Chemical changes	KS4 C3 Quantitative chemistry	KS4 C9 Chemistry of the atmosphere KS4 C10 Using resources
	Spring to summer	KS4 B2 Organisation KS4 B4 Bioenergetics	KS4 B5 Homeostasis and response	KS4 B7 Ecology
		KS3 P4 Energy	KS4 C5 Energy changes	KS4 C6 The rate and extent of chemical change
		KS4 C1 Atomic structure and the periodic table KS4 C2 Bonding, structure and the properties of matter	KS4 P4 Atomic structure	KS4 P6 Waves
		KS3 B3 Genetics and evolution	KS4 B6 Inheritance, Variation and evolution part 1	KS4 B6 Inheritance, Variation and evolution Part 2
		KS3 P1 Forces and motion KS3 P2 Levers, moments and pressure	KS4 P5 Forces part 1	KS4 P5 Forces part 2
		KS4 C5 Energy changes	KS4 C6 The rate and extent of chemical change	KS4 C7 Organic chemistry

Year 11 Combined Science - My Science Learning Journey

Year		Where from? KS3	What now ? KS4	Where next ? KS4
Year 11	Autumn	KS3 B3 Genetics and evolution KS4 B6 Inheritance, Variation and evolution part 1	KS4 B6 Inheritance, Variation and evolution Part 2	KS4 B7 Ecology
		KS4 C6 The rate and extent of chemical change	KS4 C7 Organic Chemistry	KS4 C8 Chemical analysis
		KS4 P2 Electricity	KS4 P6 Waves	KS4 P7 Magnetism and electromagnetism
		KS4 C6 The rate and extent of chemical change KS4 C7 Organic Chemistry	KS4 C8 Chemical analysis	KS5 A level Chemistry
	Spring	KS4 C7 Organic Chemistry	KS4 C9 Chemistry of the atmosphere	KS4 C10 Using resources KS5 A level Chemistry
		KS4 B6 Inheritance, Variation and evolution	KS4 B7 Ecology	KS5 A level Biology
		KS4 P6 Waves	KS4 P7 Magnetism and electromagnetism	KS5 A level Physics
		KS4 C7 Organic Chemistry	KS4 C10 Using resources	KS5 A level Chemistry

Year 10 Triple Science - My Science Learning Journey

Year	Where from? KS3	What now ? KS4	Where next ? KS4
	KS3 B2 Diet and health	KS4 B3 Infection and response	KS4 B5 Homeostasis and response
	KS3 C4 Chemical reactions	KS4 C4 Chemical changes part 2	KS4 C3 Quantitative chemistry KS4 C5 Energy changes
	KS3 B4 Photosynthesis and respiration	KS4 B4 Bioenergetics	KS4 B7 Ecology
Year 10	KS3 C1 Particles KS4 C2 Bonding, structure and the properties of matter	KS4 P3 Particle model of matter	KS4 P4 Atomic structure KS4 P8 space physics (Physics only)
	KS4 C2 Bonding, structure and the properties of matter KS4 Chemical changes	KS4 C3 Quantitative chemistry	KS4 C9 Chemistry of the atmosphere KS4 C10 Using resources
	KS4 B2 Organisation KS4 B4 Bioenergetics	KS4 B5 Homeostasis and response	KS4 B7 Ecology
	KS4 C1 Atomic structure and the periodic table KS4 C2 Bonding, structure and the properties of matter	KS4 P4 Atomic structure	KS4 P6 Waves
	KS3 B3 Genetics and evolution	KS4 B6 Inheritance, Variation and evolution	KS5 A level Biology
	KS3 P4 Energy	KS4 C5 Energy changes	KS4 C6 The rate and extent of chemical change
	KS3 P1 Forces and motion KS3 P2 Levers, moments and pressure	KS4 P5 Forces part 1	KS4 P5 Forces part 2
	KS4 C5 Energy changes	KS4 C6 The rate and extent of chemical change	KS4 C7 Organic chemistry

Year 11 Triple - My Science Learning Journey

Year	Where from? KS3	What now ? KS4	Where next ? KS4
Year 11	KS3 B3 Genetics and evolution KS4 B6 Inheritance, Variation and evolution part 1	KS4 B6 Inheritance, Variation and evolution Part 2	KS4 B7 Ecology
	KS4 C5 Energy changes	KS4 C6 The rate and extent of chemical change	KS4 C7 Organic chemistry
	KS3 P1 Forces and motion KS3 P2 Levers, moments and pressure	KS4 P5 Forces part 2	KS4 P6 Waves KS4 P7 Magnetism and electromagnetism
	KS4 C6 The rate and extent of chemical change	KS4 C7 Organic Chemistry	KS4 C8 Chemical analysis
	KS4 P2 Electricity	KS4 P6 Waves	KS4 P7 Magnetism and electromagnetism
	KS4 B6 Inheritance, Variation and evolution	KS4 B7 Ecology	KS5 A level Biology, Geology
	KS4 P6 Waves	KS4 P7 Magnetism and electromagnetism	KS5 A level Physics, Geology
	KS4 P5 Forces KS4 P6 Waves	KS3 P8 space physics (Physics only)	KS5 A level Physics
	KS4 C6 The rate and extent of chemical change KS4 C7 Organic Chemistry	KS4 C8 Chemical analysis	KS5 A level Chemistry, Geology
	KS4 C7 Organic Chemistry	KS4 C9 Chemistry of the atmosphere	KS4 C10 Using resources KS5 A level Chemistry, Geology
KS4 C7 Organic Chemistry	KS4 C10 Using resources	KS5 A level Chemistry, Geology	