

Overall Curriculum Map 2019-2020

Subject: Science

	TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
7	Curriculum Topics Cells & Transport Elements, Compounds & Mixtures Motion Sequencing:	Curriculum Topics Cells & Transport Elements, Compounds & Mixtures Motion Sequencing:	Curriculum Topics Variation & Human Reproduction Reactions: Acids & Alkalis Earth & The Universe Sequencing: Atomic Structure from Term 1	Curriculum Topics Variation & Human Reproduction Reactions: Metals & Non-Metals Sound & Light Sequencing: Acids & Alkalis from Term 3 Speed from Term 1	Curriculum Topics Ecology & Interdependence Energy Transfers Sequencing: Cell Structure from Term 1	Curriculum Topics Ecology & Interdependence Investigations Sequencing: Drawing on investigative skills from across the year
	Assessments: CELLS and ELEMENTS and MOTION	Assessments: CELLS and MIXTURES ASSESSMENT 1	Assessments: REACTIONS and EARTH & THE UNIVERSE and VARIATION	Assessments: VARIATION and REACTIONS and SOUND & LIGHT	Assessments: ECOLOGY and ENERGY	Assessments: ASSESSMENT 2
	Enrichment: Science Club with CREST Awards (All Year) Big Biology Day	Enrichment: Chemistry Week	Enrichment:	Enrichment: Big Bang Fair Science Week ZooLab Photography Competition	Enrichment: Photography Competition National Physics Day	Enrichment: Insect Festival
	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)
8	Curriculum Topics Breathing The Periodic Table Forces Sequencing: Cell Structure from Year 7	Curriculum Topics Digestion The Periodic Table Forces Sequencing:	Curriculum Topics Respiration Reactions and Chemical Energy Electric Circuits Sequencing:	Curriculum Topics Photosynthesis Earth's Climate & Resources Electromagnets Waves Sequencing: Leaf Structure from Year 7	Curriculum Topics Genes & Inheritance Heating and Cooling Sequencing: Cell Structure from Year 7	Curriculum Topics Genes & Inheritance Investigations Sequencing:

	Particle Model from Year 7 Elements, Compounds & Mixtures from Year 7 Scalar & vector from Year 7	Link between Breathing & Digestion with 'Lifestyle Factors'	'Energy in Food' covered after 'Digestion' in Term 2 Cell Structure from Year 7	Magnets from Year 7 Sound & Light from Year 7	Variation from Year 7 Link between Waves and heating & Cooling with 'Infrared'	Drawing on investigative skills from across the year
	Assessments: BREATHING and PERIODIC TABLE and FORCES	Assessments: DIGESTION ASSESSMENT 1	Assessments: ELECTRICITY and REACTIONS and RESPIRATION	Assessments: PHOTOSYNTHESIS and EARTH'S CLIMATE and ELECTROMAGNETS/WAVES	Assessments: INHERITANCE and HEATING & COOLING	Assessments: ASSESSMENT 2
	Enrichment: Science Club with CREST Awards (All Year) STEM Engineering Inter School's Competition Big Biology Day	Enrichment: Chemistry Week	Enrichment:	Enrichment: Big Bang Fair Science Week ZooLab Photography Competition	Enrichment: Photography Competition National Physics Day London Science museum trip	Enrichment: Insect Festival
	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)
9	Curriculum Topics Cell Biology Atomic Structure Energy 1	Curriculum Topics Cell Biology Atomic Structure	Curriculum Topics Organisation Atomic Structure Bonding Particle Model	Curriculum Topics Organisation Bonding Energy 2	Curriculum Topics Infection & Response Chemical Changes Electricity	Curriculum Topics Infection & Response Chemical Changes Electricity
	Sequencing: Cell Structure from KS3	Sequencing: Atomic Structure aligned in both Chemistry & Physics	Sequencing: States of Matter from Chemistry Term 1 Human Digestive System from KS3	Sequencing: Plant Structure from KS3	Sequencing: Bacteria and Viruses from Term 1 Reactivity of Metals & Acids from Term 2	Sequencing:
	Assessments: CELLS and ATOMIC STRUCTURE and ENERGY	Assessments: ASSESSMENT 1	Assessments: ORGANISATION and BONDING and PARTICLE MODEL	Assessments: ORGANISATION and BONDING and PARTICLE MODEL	Assessments: INFECTION & RESPONSE and CHEMICAL CHANGES and ENERGY	Assessments: ASSESSMENT 2
	Enrichment: Science Club with CREST Awards (All Year)	Enrichment: Chemistry Week	Enrichment:	Enrichment: Science Week Big Bang Competition	Enrichment: Photography competition National Physics Day	Enrichment: Bradford Science Museum careers event

	Sci High Forensic science event Big Biology Day			Photography competition		
	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)
10	Curriculum Topics Bioenergetics Chemical Changes Atomic Structure	Curriculum Topics Bioenergetics Homeostasis Energy Changes Quantitative Chemistry Particle Model	Curriculum Topics Homeostasis Quantitative Chemistry Electricity	Curriculum Topics Ecology Rate and Extent of Chemical Change Electricity	Curriculum Topics Ecology Organic Chemistry Waves	Curriculum Topics Ecology
	Sequencing: Plant Structure from KS3 and Yr 9 Cell Structure from Yr 9	Sequencing: Specialised Cells from Yr 9	Sequencing: IVF from KS3	Sequencing: Levels of Organisation from Yr 9 Photosynthesis and Respiration from Term 1 & 2	Sequencing: Distillation from KS3 Waves from KS3	Sequencing:
	Assessments:	Assessments: Paper 1 Assessments in Biology, Chemistry and Physics	Assessments:	Assessments:	Assessments:	Assessments: Paper 1 Assessments in Biology, Chemistry and Physics
	Enrichment: Science Club with CREST Awards (All Year) Big Biology Day	Enrichment: Chemistry Week	Enrichment: Leeds University and New College Collaborative Trip Science live trip	Enrichment: Science Week Big Bang Competition Leeds Educational Outreach Visit Bloodhound Science Day Photography competition	Enrichment: Photography competition RSB Biology Challenge National Physics Day	Enrichment: Insect festival
	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)	Homework: Activities on Kerboodle (online platform)
11	Curriculum Topics Ecology Inheritance	Curriculum Topics Inheritance Organic Chemistry	Curriculum Topics REVISIT: PAPER 1 TOPICS	Curriculum Topics REVISIT: PAPER 2 TOPICS	Curriculum Topics PAPER 1 TOPICS	Curriculum Topics

<p>Energy Changes Chemical Analysis Waves</p> <p>Sequencing: Link between 'Carbon Cycle' and 'Global Warming' Cell Structure from Yr 9</p>	<p>Atmosphere Waves Magnets and Electromagnets</p> <p>Sequencing: Resistant Bacteria (Yr 9) linked to Evolution Magnets from KS3 Atomic Structure from Yr 9</p>	<p>Sequencing: Paper 1 and Paper 2 are both given dedicated curriculum time: Paper 1 revisited in lesson, Paper 2 revisited through Homework</p>	<p>Sequencing: Paper 1 and Paper 2 are both given dedicated curriculum time: Paper 2 revisited in lesson, Paper 1 revisited through Homework</p>	<p>Sequencing: Paper 1 and Paper 2 are both given dedicated curriculum time: Paper 1 revisited in lesson, Paper 2 revisited through Homework</p>	<p>Sequencing:</p>
<p>Assessments: Assessments in Biology, Chemistry and Physics</p>	<p>Assessments: Assessments in Biology, Chemistry and Physics</p>	<p>Assessments:</p>	<p>Assessments: Paper 2 Assessments in Biology, Chemistry and Physics</p>	<p>Assessments:</p>	<p>Assessments:</p>
<p>Enrichment: Science Achieve every Wednesday (All Year) Big Biology Day</p>	<p>Enrichment: STEM Trip to Leeds University Chemistry week</p>	<p>Enrichment:</p>	<p>Enrichment:</p>	<p>Enrichment:</p>	<p>Enrichment:</p>
<p>Homework: "Paper 1" Activities on Kerboodle (online platform)</p>	<p>Homework: Activities on Kerboodle (online platform)</p>	<p>Homework: Activities on Kerboodle (online platform)</p>	<p>Homework: Activities on Kerboodle (online platform)</p>	<p>Homework: Activities on Kerboodle (online platform)</p>	<p>Homework:</p>