



Science KS3

<p>To gain a sustained mastery in science for all. Through this, students will develop:</p> <ul style="list-style-type: none"> ● an awe and wonder of science ● a confident recall of scientific knowledge ● an ability to apply scientific concepts ● the ability to question the credibility of reported science ● into confident and independent scientists ● the ability to work individually and collaboratively ● informed and ethical opinions about the big scientific questions facing society. 			
	AUTUMN TERM	SPRING TERM	SUMMER TERM
Year 7	<ul style="list-style-type: none"> ● Cells, Tissues, Organs & Systems L&C: Conventions in writing WS: Microscopes ● Mixtures and Separation L&C: Writing a method WS: Safety when heating ● Energy L&C: Summarising WS: Fair comparisons and ratios ● Sexual Reproduction in Animals L&C: Making Notes WS: The Scientific Method 	<ul style="list-style-type: none"> ● Acids and Alkalis L&C: Writing titles WS: Controlling risk ● Current Electricity L&C: Using tables WS: Models in science ● Muscles and Bones L&C: Scientific Sentences WS: Scientific Questions ● The Particle Model L&C: Making Comparisons WS: Hypotheses and theories 	<ul style="list-style-type: none"> ● Forces L&C: Making Notes WS: SI Units ● Ecosystems L&C: Paragraphs WS: Charts and Graphs ● Atoms, Elements, and Molecules L&C: Facts and Opinions WS: Sorting resource data ● Sound L&C: Remembering WS: Line graphs and scatter graphs
	1 x Knowledge check per topic End of Term Synoptic Assessment Fortnightly Kerboodle/Active Learn/Seneca HWK Fortnightly Literacy Homework	1 x Knowledge check per topic End of Term Synoptic Assessment Fortnightly Kerboodle/Active Learn/Seneca HWK Fortnightly Literacy Homework	1 x Knowledge check per topic End of Year Synoptic Assessment Fortnightly Kerboodle/Active Learn/Seneca HWK Fortnightly Literacy Homework



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Year 8	<ul style="list-style-type: none"> ● Food & Nutrition L&C: Weighting and bias WS: Surface area ● Combustion L&C: Information and explanations WS: Fair testing. ● Fluids L&C: Presenting Information WS: Calculations ● Plants and Their Reproduction L&C: Structuring Paragraphs WS: Accuracy and estimates 	<ul style="list-style-type: none"> ● The Periodic Table L&C: Using Sentences WS: Anomalous Results ● Light L&C: Preparing Presentations WS: Drawings and Conventions ● Breathing and Respiration L&C: Cause and Effect WS: Means and Ranges ● Metals and Their Uses L&C: Describing materials WS: Quality Evidence 	<ul style="list-style-type: none"> ● Energy Transfers L&C: Choosing Language WS: Accuracy and Precision ● Unicellular Organisms L&C: Model verbs WS: Pie Charts ● Rocks L&C: Assessing sources WS: Theories in geology ● Earth and Space L&C: Scientific Arguments WS: Making Comparisons
	1 x Knowledge check per topic End of Term Synoptic Assessment Fortnightly Kerboodle/Active Learn/Seneca HWK Fortnightly Literacy Homework	1 x Knowledge check per topic End of Term Synoptic Assessment Fortnightly Kerboodle/Active Learn/Seneca HWK Fortnightly Literacy Homework	1 x Knowledge check per topic End of Year Synoptic Assessment Fortnightly Kerboodle/Active Learn/Seneca HWK Fortnightly Literacy Homework



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Year 9	<ul style="list-style-type: none"> Genetic and Evolution L&C: Convincing arguments WS: Probability Making Materials L&C: Biased Language WS: Peer Review Forces and Motion L&C: Purpose and Audience WS: Equations and graphs 	<ul style="list-style-type: none"> Plant Growth L&C: Clarity and Emphasis WS: Bias and Validity Reactivity L&C: Active and Passive WS: Percentage loss or gain Force Fields and Electromagnets L&C: Cohesion in writing WS: Rounding Numbers 	<ul style="list-style-type: none"> Biology Revision and Projects Chemistry Revision and Projects Physics Revision and Projects B1 - Cells P1 - Energy
	1 x Knowledge check per topic End of Term Synoptic Assessment Fortnightly Online HWK Fortnightly Literacy Homework	1 x Knowledge check per topic End of Term Synoptic Assessment Fortnightly Online HWK Fortnightly Literacy Homework	1 x Knowledge check per topic End of Year Synoptic Assessment Fortnightly Online HWK Fortnightly Literacy Homework 1 x Achievement Test per topic Synoptic Assessment Fortnightly online HWK Fortnightly Literacy HWK