

**Year 7**

Week	Knowledge Organiser	Independent Study (Description)	Independent Study (Link)
1	Lab Safety Section A	Complete this Google Form on Lab Safety and Equipment	Teacher should make copy of form to create separate link for each class <a href="https://docs.google.com/forms/d/1L4GEnQKlegGFs1DAjLi8isWf7YgG-g5kqUjIXVFE8/edit?usp=sharing">https://docs.google.com/forms/d/1L4GEnQKlegGFs1DAjLi8isWf7YgG-g5kqUjIXVFE8/edit?usp=sharing</a>
2	States of Matter Section B	Oak Academy lesson on States. Complete lesson and answer questions on line	<a href="https://classroom.thenational.academy/lessons/solids-liquids-and-gases-74tp8t">https://classroom.thenational.academy/lessons/solids-liquids-and-gases-74tp8t</a>
3	Changes of State Section C	Oak Academy lesson on Changes of State. Complete lesson and answer questions on line	<a href="https://classroom.thenational.academy/lessons/investigating-changes-of-state-c5h68d">https://classroom.thenational.academy/lessons/investigating-changes-of-state-c5h68d</a>
4	Diffusion & Atoms, Elements & Compounds Section D	Oak Academy lesson on Diffusion. Complete lesson and answer questions on line	<a href="https://classroom.thenational.academy/lessons/diffusion-cgukcc">https://classroom.thenational.academy/lessons/diffusion-cgukcc</a>
5	Dissolving Section E	2.1.1 Particles & States of Matter 2.1.2 Properties of States of Matter 2.1.4 Changing State 2.1.6 Conservation of Mass 2.1.7 Purity of Substances 2.1.10 Solubility	Seneca Learning KS3 Science Chemistry Particles
6	Separating Mixtures Section F	2.1.3 Diffusion 2.1.8 Mixtures & Separating Mixtures 2.1.9 Chromatography 2.3.1 Atoms, Elements & Compounds 2.3.4 Conservation of Mass	Seneca Learning KS3 Science Chemistry Particles

**Year 8**

Week	Knowledge Organiser	Independent Study (Description)	Independent Study (Link)
1	Energy Stores & Transfers Section A	Revision from Y7: Cells 1.1.1 Microscopes 1.1.2 Tissues & Organs 1.1.3 Unicellular Organisms 1.1.5 Plant Cells 1.1.7 Animal Cells 1.1.8 Comparing Animal & Plant Cells	Seneca Learning KS3 Science
2	Forces & Speed Section B	Revision from Y7: Ecosystems 1.2.5 Reproduction in Plants 1.2.6 Variation 1.3.1 Food Chains & Webs 1.3.2 Relationships in An Ecosystem 1.3.3 Decay & Decomposers 1.3.6 Competition Between Organisms	Seneca Learning KS3 Science
3	Friction, Air Resistance & Water Resistance Section C	Energy Stores & Transfers: 3.1.1 Energy Stores 3.1.2 Efficiency of Energy Transfers 3.2.1 Forces 3.2.2 Force Diagrams & Resultant Forces 3.2.5 Speed 3.2.7 Distance-Time Graph	Seneca Learning KS3 Science
4	Magnetism & Static Electricity Section D	Oak Academy Lessons Magnetic Fields & Static Electricity. Complete lessons and answer questions on line	<a href="https://classroom.thenational.academy/lessons/magnetic-fields-64up2t?utm_source=copy-link&amp;utm_medium=copy&amp;utm_campaign=sharing-button&amp;entry_quiz=true&amp;exit_quiz=true&amp;video=true&amp;presentation=true&amp;worksheet=true">https://classroom.thenational.academy/lessons/magnetic-fields-64up2t?utm_source=copy-link&amp;utm_medium=copy&amp;utm_campaign=sharing-button&amp;entry_quiz=true&amp;exit_quiz=true&amp;video=true&amp;presentation=true&amp;worksheet=true</a> <a href="https://classroom.thenational.academy/lessons/static-electricity-6rvkjr?utm_source=copy-link&amp;utm_medium=copy&amp;utm_campaign=sharing-button&amp;entry_quiz=true&amp;exit_quiz=true&amp;video=true&amp;presentation=true&amp;worksheet=true">https://classroom.thenational.academy/lessons/static-electricity-6rvkjr?utm_source=copy-link&amp;utm_medium=copy&amp;utm_campaign=sharing-button&amp;entry_quiz=true&amp;exit_quiz=true&amp;video=true&amp;presentation=true&amp;worksheet=true</a>
5	Electricity Section E	Oak Academy Lessons Current & Parallel Circuits. Complete lessons and answer questions on line	<a href="https://classroom.thenational.academy/lessons/current-and-series-circuits-68r6ad">https://classroom.thenational.academy/lessons/current-and-series-circuits-68r6ad</a>
6	Building circuits Section F	Electricity & Magnetism: 3.4.1 Circuit Symbols 3.4.2 Electric Current 3.4.3 Series & Parallel Circuits 3.4.4 Static Electricity 3.4.5 Magnets 3.4.7 Strength of Magnetic Fields	Seneca Learning KS3 Science

**Year 9**

Week	Knowledge Organiser	Independent Study (Description)	Independent Study (Link)
1	Section1	Oak academy lessons 1+2	<a href="https://classroom.thenational.academy/lessons/atoms-elements-and-compounds">https://classroom.thenational.academy/lessons/atoms-elements-and-compounds</a> <a href="https://classroom.thenational.academy/lessons/separating-mixtures">https://classroom.thenational.academy/lessons/separating-mixtures</a>
2	Section2	Oak academy	<a href="https://classroom.thenational.academy/lessons/development-of-the-atomic-model-6crp2t?utm_source=copy-link&amp;utm_medium=copy&amp;utm_campaign=sharing-button&amp;entry_quiz=true&amp;exit_quiz=true&amp;video=true&amp;presentation=true&amp;worksheet=true">https://classroom.thenational.academy/lessons/development-of-the-atomic-model-6crp2t?utm_source=copy-link&amp;utm_medium=copy&amp;utm_campaign=sharing-button&amp;entry_quiz=true&amp;exit_quiz=true&amp;video=true&amp;presentation=true&amp;worksheet=true</a> <a href="https://classroom.thenational.academy/lessons/isotopes-ccwp4c">https://classroom.thenational.academy/lessons/isotopes-ccwp4c</a>
3	Section3	Seneca	2.1.1 Particles & States of Matter 2.1.2 Properties of States of Matter 2.1.4 Changing State 2.1.6 Conservation of Mass 2.1.7 Purity of Substances 2.1.10 Solubility
4	Section 1/2	Oak academy	<a href="https://classroom.thenational.academy/lessons/electron-configuration">https://classroom.thenational.academy/lessons/electron-configuration</a>
5	Section 2/3	Oak academy	<a href="https://classroom.thenational.academy/lessons/electron-configuration-and-the-periodic-table-61jp4c?utm_source=copy-link&amp;utm_medium=copy&amp;utm_campaign=sharing-button&amp;entry_quiz=true&amp;exit_quiz=true&amp;video=true&amp;presentation=true&amp;worksheet=true">https://classroom.thenational.academy/lessons/electron-configuration-and-the-periodic-table-61jp4c?utm_source=copy-link&amp;utm_medium=copy&amp;utm_campaign=sharing-button&amp;entry_quiz=true&amp;exit_quiz=true&amp;video=true&amp;presentation=true&amp;worksheet=true</a> <a href="https://classroom.thenational.academy/lessons/periodic-table-development-6cwp8t">https://classroom.thenational.academy/lessons/periodic-table-development-6cwp8t</a>
6	All sections	Seneca	2.1.3 Diffusion 2.1.8 Mixtures & Separating Mixtures 2.1.9 Chromatography 2.3.1 Atoms, Elements & Compounds 2.3.4 Conservation of Mass