

## Year 10 – Breakdown of teaching for the Summer Term

Teaching Group	Biology	Chemistry	Physics
<p><b>10E1</b></p>	<p><b>RWL - Biology</b>            Students are coming to completion of the Homeostasis and response topic. An assessment will take place using Educake and exam style questions. Students will then commence Unit 7 - Ecology.            Lessons will include:            Adaptations and competition            Organisation of ecosystems            Biodiversity            Food Production</p>	<p><b>ESM- Chemistry</b>            We have just finished our Chemistry of the Atmosphere topic and completed an end of topic test, along with a whole class feedback lesson. We will now be covering a new topic: The Rate and Extent of Chemical change. This will include the following lessons:            Rate of reaction            Measuring rates            Rate of reaction graphs            Reaction rate experiments            Reversible reactions            Le Chatelier’s principle</p>	<p><b>NSH - Physics</b>            Continue the topic Magnetism and Electromagnetism (4.7) for one more week            Next topic will be Forces and Motion (4.5) (<u>note</u>: revisiting to consolidate prior learning).            Lessons include:            Vectors &amp; Scalars, Forces between objects, Resultant forces, Moments, Levers &amp; gears, Centre of mass, Moments &amp; equilibrium, Parallelogram of forces and Resultant forces.             Progress will be assessed via Seneca</p>
<p><b>10E2</b></p>	<p><b>RWL - Biology</b>            Students have recently commenced Unit 7 – Ecology. This will be continued throughout the summer term and assessed using Educake and exam style questions upon completion.            Lessons will include:            Organisation of ecosystems            Biodiversity            Effect of human interaction on ecosystems</p>	<p><b>ESM - Chemistry</b>            We have just finished our Chemistry of the Atmosphere topic and completed an end of topic test, along with a whole class feedback lesson. We will now be covering a new topic: The Rate and Extent of Chemical change. This will include the following lessons:            Rate of reaction            Measuring rates            Reaction rate experiments            Reversible reactions</p>	<p><b>KCO - Physics</b>            Working through the rest of the Forces &amp; motion topic.            Lessons include:            Terminal velocity,            Newton’s laws,            Stopping distances            Momentum.</p>
<p><b>10E3</b></p>	<p><b>RWL - Biology</b>            Students have recently commenced Unit 7 – Ecology. This will be continued throughout the summer term and assessed using Educake and exam style questions upon completion.            Lessons will include:            Organisation of ecosystems            Biodiversity            Effect of human interaction on ecosystems            Should the topic be completed students will then begin revision of previous year 9 &amp; 10 content to embed knowledge.</p>	<p><b>ESM- Chemistry</b>            We have nearly finished our Chemical analysis topic with one lesson remaining on identification of common gases. We will aim to do an end of topic test and then begin revision which will be as follows:  <b>Year 10 content:</b>            Quantitative Chemistry            Energy changes            Chemistry of the Atmosphere  <b>Y9 Content:</b>            Atoms and electronic configuration            Separating mixtures            Ionic &amp; Covalent bonding            Periodic table</p>	<p><b>NSH - Physics</b>            Continue the topic Waves (6.6) for 2 more weeks            Next topic will be Forces and Motion (4.5)            Progress will be assessed via Seneca</p>

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<p><b>10N1</b></p>	<p><b>CWA - Biology</b>            Complete Ecology Topic (Peat bogs, deforestation, global warming &amp; maintaining biodiversity)            Factors affecting food security, sustainable farming/fishing, biotechnology            Decay required practical theory            Assessment via online platforms</p>	<p><b>KCO - Chemistry</b>            Complete rates of reaction, lessons include:            Factors effecting rates of reaction            Reversible reactions            Dynamic equilibrium            Altering conditions of equilibrium              Assessment via online platforms</p>	<p><b>CSA Physics</b>            Continuing to work through the forces and motion topic.            To include:            Velocity-time graphs and terminal velocity            Newton’s laws of motion            Forces and braking            Momentum</p>
<p><b>10N2</b></p>	<p><b>CWA - Biology</b>            Complete Ecology Topic            Peat bogs            Deforestation            Global warming            Maintaining biodiversity            Assessment via online platforms            Revisit Yr9 topics to consolidate knowledge</p>	<p><b>KCO - Chemistry</b>            Complete rates of reaction, lessons include:            Factors effecting rates of reaction            Reversible reactions              Assessment via online platforms</p>	<p><b>CSA – Physics</b>            Continuing to work through the forces and motion topic.            To include:            Velocity-time graphs and terminal velocity            Newton’s laws of motion            Forces and braking</p>
<p><b>10N3</b></p>	<p><b>CWA - Biology</b>            Complete Ecology Topic            Peat bogs            Deforestation            Global warming            Maintaining biodiversity            Assessment via online platforms            Revisit Yr9 topics to consolidate knowledge</p>	<p><b>KCO - Chemistry</b>            Complete rates of reaction, lessons include:            Factors effecting rates of reaction            Reversible reactions              Assessment via online platforms</p>	<p><b>CSA – Physics</b>            Continuing to work through the forces and motion topic.            To include:            Velocity-time graphs and terminal velocity            Newton’s laws of motion            Forces and braking</p>