

## Science Curriculum Plan 24-25 – Nuneaton Academy

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### **KEY STAGE 4 Combined science**

YEAR	1 <sup>st</sup> Half of the year (Sept – Jan)	2 <sup>nd</sup> Half of the year (Jan – July)	
<b>10</b>	AQA GCSE Combined science <ul style="list-style-type: none"> <li>• Cell biology B1</li> <li>• Energy</li> <li>• Bonding</li> <li>• Organisation</li> <li>• Electricity</li> <li>• Quantitative Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• Infection and response</li> <li>• Atomic structure</li> <li>• Chemical changes</li> <li>• Bioenergetics</li> <li>• Energy changes</li> <li>• Ecology</li> </ul>	
	<b>Mid-Year Assessment: Cell biology, Organisation, Particles, Energy, Atoms and periodic table, bonding</b>	<b>End of Year Assessment: Paper 1 GCSE</b>	
YEAR 11	September – November	December – March	March - June
	<ul style="list-style-type: none"> <li>• Ecology</li> <li>• Rates of reaction</li> </ul>	<ul style="list-style-type: none"> <li>• Using resources</li> <li>• Atmosphere</li> <li>• Forces</li> </ul>	Bespoke curriculum for the need of each class based on gaps identified from the mock exams

11	<ul style="list-style-type: none"> <li>Organic chemistry</li> <li>Chemical analysis</li> </ul>	<ul style="list-style-type: none"> <li>Waves</li> </ul>	
	November Mock Exam: Paper 1 GCSE	March Mock Exam: Paper 2 GCSE	<b>ACTUAL GCSE EXAM</b>

### GCSE BIOLOGY

YEAR	1 <sup>st</sup> Half of the year (Sept – Jan)	2 <sup>nd</sup> Half of the year (Jan – July)
10	<ul style="list-style-type: none"> <li>Cell biology</li> <li>Organisation</li> <li>Infection and response</li> </ul>	<ul style="list-style-type: none"> <li>Infection and response</li> <li>Bioenergetics</li> <li>Homeostasis</li> <li>Ecology</li> </ul>

	<b>Mid-Year Assessment: Same as combined Science</b>		<b>End of Year Assessment: Paper 1 Biology</b>
<b>YEAR</b>	<b>September – November</b>	<b>December – March</b>	<b>March - June</b>
<b>11</b>	<ul style="list-style-type: none"> <li>• Ecology</li> <li>• Inheritance</li> <li>• Cell biology revision</li> <li>• Organisation revision</li> <li>• Infection and response revision</li> </ul>	<ul style="list-style-type: none"> <li>• Bioenergetics revision</li> <li>• Homeostasis revision</li> <li>• Inheritance revision</li> </ul>	Bespoke curriculum for the need of the class based on gaps identified from the mock exams
	<b>November Mock Exam: Paper 1 Biology</b>	<b>March Mock Exam: Paper 2 Biology</b>	<b>ACTUAL GCSE EXAM</b>

## GCSE CHEMISTRY

<b>YEAR</b>	<b>1<sup>st</sup> Half of the year (Sept – Jan)</b>	<b>2<sup>nd</sup> Half of the year (Jan – July)</b>
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<b>10</b>	<ul style="list-style-type: none"> <li>• Atomic structure, periodic table</li> <li>• Bonding, structure, properties</li> <li>• Quantitative chemistry</li> </ul>		<ul style="list-style-type: none"> <li>• Chemical changes</li> <li>• Energy changes</li> <li>• Rates of reaction</li> </ul>	
	<b>Mid-Year Assessment: Same as combined Science</b>		<b>End of Year Assessment: Paper 1 Chemistry</b>	
<b>YEAR</b>	<b>September – November</b>	<b>December – March</b>		<b>March – June</b>
<b>11</b>	<ul style="list-style-type: none"> <li>• Rates of reaction</li> <li>• Organic chemistry</li> <li>• Chemical analysis</li> <li>• Atmosphere</li> <li>• Resources</li> </ul>	<ul style="list-style-type: none"> <li>• Atomic structure, periodic table revision</li> <li>• Bonding, structure, properties revision</li> <li>• Quantitative chemistry revision</li> <li>• Energy changes revision</li> <li>• Rates of reaction revision</li> <li>• Chemical analysis revision</li> <li>• Atmosphere revision</li> </ul>		Bespoke curriculum for the need of the class based on gaps identified from the mock exams
	<b>November Mock Exam: Paper 1 Chemistry</b>		<b>March Mock Exam: Paper 2 Chemistry</b>	

## GCSE PHYSICS

YEAR	1 <sup>st</sup> Half of the year (Sept – Jan)		2 <sup>nd</sup> Half of the year (Jan – July)	
10	<ul style="list-style-type: none"> <li>• Energy</li> <li>• Electricity</li> <li>• Particle model recap</li> <li>• Atomic structure</li> </ul>		<ul style="list-style-type: none"> <li>• Forces</li> <li>• Magnetism</li> <li>• Waves</li> <li>• Space</li> </ul>	
	Mid-Year Assessment: Same as combined Science		End of Year Assessment: Enter details here	
YEAR	September – November	December – March	March - June	
11	<ul style="list-style-type: none"> <li>• Forces</li> <li>• Magnetism</li> <li>• Waves</li> <li>• Space</li> </ul>	<ul style="list-style-type: none"> <li>• Forces revision</li> <li>• Magnetism revision</li> <li>• Waves revision</li> </ul>	Bespoke curriculum for the need of the class based on gaps identified from the mock exams	

	<b>November Mock Exam: Paper 1 Physics</b>	<b>March Mock Exam: Paper 2 Physics</b>	<b>ACTUAL GCSE EXAM</b>