

Newton and Mendel

Term	Week	Content	Topic test week
Autumn 1	1	Cross curricular project lesson	
	2	Structure and bonding, guest and practical session	
	3	Quantitative chemistry, Sustainability and	<i>Structure and bonding</i>
	4	Chemical changes	
	5	Chemical changes	
	6	Chemical energy	<i>Chemical changes</i>
	7	Homeostasis	

Term	Week	Content	Topic test week
Spring 1	1	Forces and Interactions	
	2	Forces and Interactions	
	3	Forces and Interactions	<i>Forces</i>
	4	Waves	
	5	Waves	
	6	Waves	<i>Waves</i>

Term	Week	Content	Topic test week
Summer 1	1	Chemical analysis	<i>Chemical analysis</i>
	2	Chemistry of the atmosphere	
	3	Revision and C2 practice paper	
	4	Exam begin potentially begins, Revision	
	5	Revision	
	6	Revision	

Term	Week	Content	Topic test week
Autumn 2	1	Inheritance	<i>Homeostasis</i>
	2	Inheritance	
	3	Evolution and Classification, Ecology	
	4	Mock week P1 and C1	
	5	Ecology	<i>Inheritance</i>
	6	Ecology	<i>Ecology</i>

Term	Week	Content	Topic test week
Spring 2	1	Magnetism	<i>Magnetism</i>
	2	Mock exam revision week	
	3	Mock week P2 and B2	
	4	Rates of reaction	<i>Rates of reaction</i>
	5	Organic chemistry	
	6	Organic chemistry	<i>Organic chemistry</i>

Summer term 2 Exams			
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Johnson and Hawking

Term	Week	Content	Topic test week
Autumn 1	1	Cross curricular project lesson	
	2	Structure and bonding, guest and practical session	
	3	Quantitative chemistry, Sustainability and	<i>Structure and bonding</i>
	4	Chemical changes	
	5	Chemical changes	
	6	Chemical energy	<i>Chemical changes</i>
	7	Forces and interactions	

Term	Week	Content	Topic test week
Spring 1	1	Homeostasis	
	2	Homeostasis	<i>Homeostasis</i>
	3	Inheritance	
	4	Inheritance and Evolution	
	5	Evolution and Classification, Ecology	
	6	Ecology	<i>Inheritance</i>

Term	Week	Content	Topic test week
Summer 1	1	Chemical analysis	<i>Chemical analysis</i>
	2	Chemistry of the atmosphere	
	3	Revision and C2 practice paper	
	4	Exam begin potentially begins, Revision	
	5	Revision	
	6	Revision	

Term	Week	Content	Topic test week
Autumn 2	1	Forces and Interactions	
	2	Forces and Interactions	<i>Forces</i>
	3	Waves	
	4	Mock week P1 and C1	
	5	Waves	<i>Waves</i>
	6	Magnetism	<i>Magnetism</i>

Term	Week	Content	Topic test week
Spring 2	1	Ecology	<i>Ecology</i>
	2	Mock exam revision week	
	3	Mock week P2 and B2	
	4	Rates of reaction	<i>Rates of reaction</i>
	5	Organic chemistry	
	6	Organic chemistry	<i>Organic chemistry</i>

Summer term 2 Exams			
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Science Department
Curriculum Plans Year 10

Higher Tier

Term	Week	Content	Topic test week
Autumn 1	1	CATs testing/ Intro to science	
	2	Cell Biology	
	3	Cell Biology	
	4	Cell Biology	
	5	Infection and response	<i>Cell biology</i>
	6	Infection and response	
	7	Infection and response	<i>Infection and response</i>

Term	Week	Content	Topic test week
Spring 1	1	Energy	
	2	Energy	
	3	Energy	
	4	Particle model	<i>Energy</i>
	5	Particle model	
	6	Particle model	<i>Particle model</i>

Term	Week	Content	Topic test week
Summer 1	1	Atomic structure	
	2	Atomic structure/structure and bonding	<i>Atomic structure</i>
	3	Exam week	
	4	Structure and bonding	
	5	Quantitative chemistry	<i>Structure and bonding</i>
	6	Quantitative chemistry	<i>Quantitative chem</i>

Term	Week	Content	Topic test week
Autumn 2	1	Organisation	
	2	Organisation	
	3	Organisation	
	4	Organisation and Bioenergetics	<i>Organisation</i>
	5	Year 10 exam week - minus respiration	
	6	Bioenergetics	

Term	Week	Content	Topic test week
Spring 2	1	Electricity	
	2	Electricity	
	3	Atoms and radiation	<i>Electricity</i>
	4	Atoms and radiation	
	5	Atoms and radiation	
	6	Revision and P1 exam paper	

Term	Week	Content	Topic test week
Summer 2	1	Chemical changes	
	2	Chemical changes	
	3	Chemical changes	
	4	Chemical energy	<i>Chemical changes</i>
	5	Chemical energy	<i>Chemical energy</i>
	6	Revision/catch up	

Foundation Tier

Term	Week	Content	Topic test week
Autumn 1	1	CATs testing/ Intro to science	
	2	Energy	
	3	Energy	
	4	Energy	
	5	Particle model	<i>Energy</i>
	6	Particle model	
	7	Electricity	<i>Particle model</i>

Term	Week	Content	Topic test week
Spring 1	1	Cell biology	
	2	Cell biology	
	3	Cell biology	
	4	Cell biology/ Infection and response	<i>Cell biology</i>
	5	Infection and response	
	6	Infection and response	<i>Infection and response</i>

Term	Week	Content	Topic test week
Summer 1	1	Atomic structure	
	2	Atomic structure/structure and bonding	<i>Atomic structure</i>
	3	Exam week	
	4	Structure and bonding	
	5	Quantitative chemistry	<i>Structure and bonding</i>
	6	Quantitative chemistry	<i>Quantitative chem</i>

Term	Week	Content	Topic test week
Autumn 2	1	Electricity	
	2	Electricity/ Atoms and radiation	<i>Electricity</i>
	3	Atoms and radiation	
	4	Atoms and radiation	
	5	Year 10 exam week	
	6	Revision/catch up	<i>Radioactivity</i>

Term	Week	Content	Topic test week
Spring 2	1	Organisation	
	2	Organisation	
	3	Organisation	
	4	Organisation/ Bioenergetics	<i>Organisation</i>
	5	Bioenergetics	
	6	Revision and B1 exam paper - respiration	

Term	Week	Content	Topic test week
Summer 2	1	Chemical changes	
	2	Chemical changes	
	3	Chemical changes	
	4	Chemical energy	<i>Chemical changes</i>
	5	Chemical energy	<i>Chemical energy</i>
	6	Revision/catch up	