

# Science

## Curriculum Overview

### Key Stage 3/4



<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
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**Smart Activate KS3@ Spring Lane Radcliffe/Whitefield Hub**

<b>Year 7</b>	Cells Structure and function of body systems	Forces Sound	Particles Atoms, elements and compounds	Reproduction	Reactions Acids and Alkalis	Light Space
<b>Year 8</b>	Health and lifestyle Biological processes	The Periodic table Separation techniques	Electricity and magnetism Energy	Energy Ecosystems and Adaptations	Inheritance Motion and pressure	Metals and other materials The Earth
<b>Year 9</b>	Cells Cell systems	Forces & motion Energy	Particle model & state changes Atoms & the periodic table	Fertilisation & implantation Variation & natural selection	Waves, sound & light Electricity & magnetism	Chemical changes Useful chemical reactions

**Entry Level Certificate into GCSE Biology @ Spring Lane Radcliffe/Milltown House (1 teacher)**

<b>Year 10 ELC</b>	Physics: Energy, forces and structure of matter	Chemistry: Elements, mixtures and compounds	Biology: The human body		Complete any outstanding practicals and external assessments. Start GCSE Biology: Cell Biology	GCSE Biology: Organisation
<b>Year 11 GCSE</b>	Infection & Response Bioenergetics	Homeostasis & Response	Inheritance, variation and evolution	Ecology	<b>Revision</b>	<b>Examinations</b>

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
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**Entry Level Certificate into GCSE (2 teachers @ Park House)**

Year 10	Teacher 1	Biology: The human body	Life & Environmental Sciences: Building blocks		Life & Environmental Sciences: Transport over larger distances	
	Teacher 2	Physics: Energy, forces and structure of matter	Chemistry: Elements, mixtures and compounds	Physical Sciences: Building blocks for understanding		Physical Sciences: Interactions over small and large distances

**GCSE Combined Science Synergy (2 teachers @ Park House)**

Year 11	Teacher 1	Life & Environmental Sciences: Interactions with the environment		Life & Environmental Sciences: Explaining Changes	Physical Sciences: Guiding Spaceship Earth Towards a Sustainable Future	<b>Revision</b>	<b>Examinations</b>
	Teacher 2	Physical Sciences: Interactions over small and large distances	Physical Sciences: Movement and Interactions				

**GCSE Biology (2 teachers @ Park House)**

Year 11	Teacher 1	Cell Biology	Organisation	Infection & Response	Infection & Response Bioenergetics	<b>Revision</b>	<b>Examinations</b>
	Teacher 2	Homeostasis & Response	Inheritance and Variation	Inheritance and Variation Ecology	Ecology		