

**Curriculum Intent:** Pupils will leave Bloxwich Academy with an understanding of the world around them; their scientific knowledge will be broad and in-depth, as they study topics within the disciplines of biology, chemistry and physics. Pupils will learn about the links between each of the sciences and how this helps us to explain everyday life and phenomena.

**Curriculum Rationale:** We ensure our science curriculum prepares our pupils for a wide range of careers and opportunities, by first teaching the fundamental concepts and skills. We then support our pupils to build their scientific knowledge and understanding, in all three disciplines, so that they become successful scientists. Opportunities for practical work are given throughout the course, at all key stages, including key required practical activities that pupils are assessed on during their GCSE examinations.

**The Bloxwich Experience:** You will study all three sciences and carry out a range of practical work, as well as receive opportunities for visits and talks from members of the scientific community.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>7</b>	Cells & Particles	Particles & Forces	Skeleton & Atoms, Elements and Compounds	Light	Acids and Alkalis	Space
<b>8</b>	Skeleton & Acids and Alkalis	Space & Health and Lifestyle	Health and Lifestyle & Chemical Reactions	Chemical Reactions, Magnetism & Ecology	Separation Techniques	Sound
<b>9</b>	Reproduction & Acids and Alkalis	Acids and Alkalis & The Periodic Table	Energy & Separation Techniques	Separation Techniques & Ecology	Metals	Photosynthesis
<b>10</b>	Atomic Structure, Cell Biology & Energy	Energy, Electricity & Bonding	Bonding & Organisation	Atomic Structure, Energy Changes, Infection & Particle Model	Chemical Changes, & Bioenergetics	Quantitative Chemistry
<b>11</b>	Organic Chemistry, Homeostasis & Forces	Rates of Reaction & Genetics and Evolution	Genetics and Evolution, Waves, Chemical Analysis & Resources	Magnetism, Ecology & Atmosphere	Ecology & Atmosphere	Revision & Exams