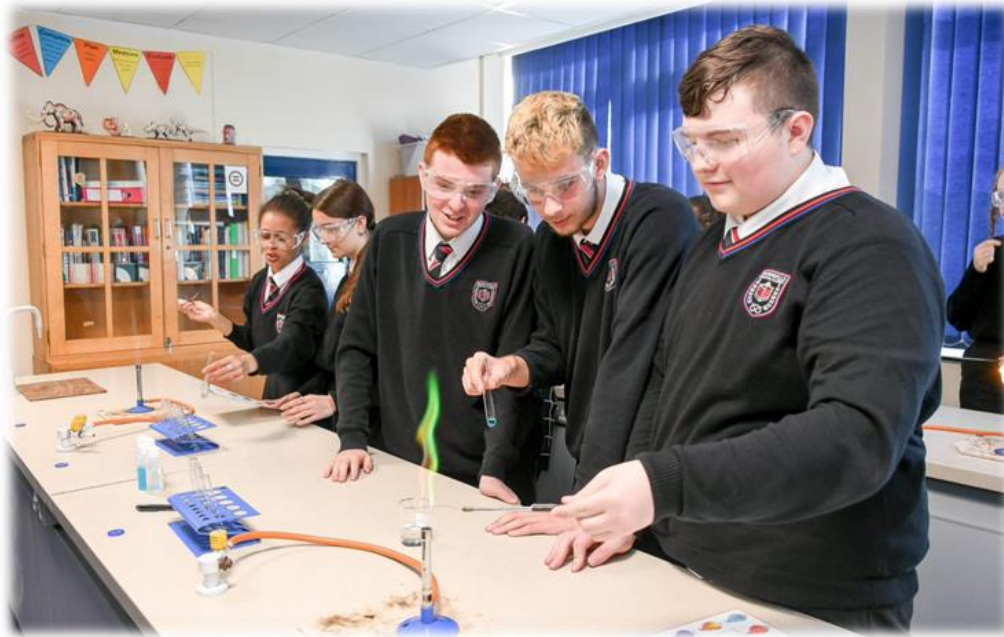


2023-
2024



[OAT]
Ormiston Academies Trust
ACHIEVING MORE TOGETHER

Brownhills Ormiston Academy Science curriculum map



Brownhills Ormiston Academy Science curriculum map.



Year 7 Science

Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
An introduction to the scientific method. Behaviour of matter – the particle model [BOM 5]	Objects effects on other objects – changing shape [OE004] Building blocks of life – Animal cells [BBL1]	Building blocks of matter – The atom [BOM6] Building blocks of matter – Changes of state [BOM7]	The human body – The breathing system [THB7] Chemical reactions – Type of reactions [CR3]	Our Earth - The rock and water cycle [OE3] Building blocks of life – Human reproduction [BBL2]	The human body - Health and Disease [THB8] Behaviour of matter - Purity [BOM8]

Year 8 Science

Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Objects effect on other objects - Changing shape [OE004] The human body - The breathing system [THB7]	The human body - Health and disease [THB8] Chemical reactions - The pH scale [CR4]	Our Earth - our atmosphere [OE4] The human body - Nutrition and Digestion [THB9]	Behaviour of Energy - Heating and Cooling [BOE11]	Building blocks of life - Cellular respiration [BBL3] Objects effecting other objects – Forces and motion [OE006]	Interaction of life – Photosynthesis [OE005] Objects effect on other objects – Electricity [OE005]

Brownhills Ormiston Academy Science curriculum map.

Year 9 Science



Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Broader curriculum coverage: Biology – The body Chemistry – Material science Physics – Power of particles		Broader curriculum coverage: Biology – Inheritance Chemistry – Forensic science Physics – Space		Fundamental – preparing for KS4 Biology – cell biology Chemistry – atomic structure Physics- quantifying waves	

Year 10 Science

Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Biology – enzymes and digestion Chemistry – Chemical changes (reactions of acids) Physics – Force basics and elasticity Biology – Transport in plants and animals Chemistry – chemical analysis Chemistry – Bonding, structure and properties	Biology – Infection and response Chemistry – Bonding, structure and properties Physics – Energy Biology – Non-communicable diseases Chemistry – Chemical changes 2 (redox reactions) Physics – Forces in action Biology - Bioenergetics	Chemistry – Quantitative chemistry Physics – Forces in action Biology – Bioenergetics Chemistry – Quantitative chemistry Physics – Forces in action Biology – Homeostasis and response Chemistry – Organic chemistry Physics – Electricity (General science lesson – Ecology)			

Year 11 Science

Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Biology - Genome, Nerves, Hormones, inheritance, sampling, cycling materials, maths skills for biology. PPE Chemistry – Using resources, chemical analysis, organic chemistry, rates of reaction PPE Physics – Electromagnets and magnetism, Particle model PPE	PPE diagnosis and feedback Paper 1 preparation Maths skills and disciplinary skills consolidation. PPE2	QLA reteach with new application			