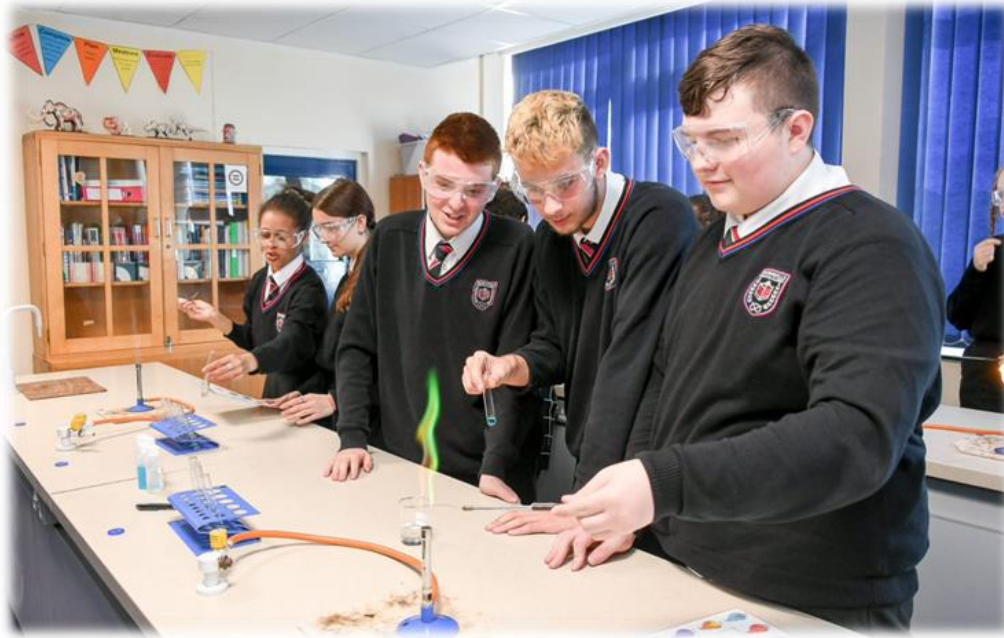


2024-
2025



[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
Behaviour of matter – the particle model [BOM 5]	Building blocks of matter – The atom [BOM6]	The human body – The breathing system [THB7]	Our Earth - The cycles [OE3]	Behaviour of matter - Purity [BOM8]	Our Earth - Our atmosphere [OE4]
Objects effects on other objects – changing shape [OE004]	Beyond Earth – Astrophysics [BE3]	Chemical reactions – Type of reactions [CR3]	Building blocks of life – Human reproduction [BBL2]	Chemical reactions - Acids and alkalis[CR4]	The human body - The digestive system [THB9]
Building blocks of life – Animal cells [BBL1]	Building blocks of matter – Changes of state [BOM7]		The human body - Health and Disease [THB8]		

Year 8 Science

Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Chemical reactions - Acids and alkalis[CR4]	Behaviour of Energy – Principles of energy [BOE10]	Building blocks of life - Cellular respiration [BBL3]	Objects effect on other objects – Electricity [OE005]	Objects effecting other objects – Forces and motion [OE006]	Chemical reactions - Acids and alkalis[CR4]
Beyond Earth – Astrophysics [BE3]	Behaviour of Energy - Heating and Cooling [BOE11]	Behaviour of Energy – Energy in the home [BOE12]	Behaviour of Energy – Waves [BOE13]	Interaction of life – Photosynthesis [OE005]	Objects effect on other objects - Changing forces [OE007]
The human body - The digestive system [THB9]		Building blocks of life – Plant cells [BBL4]			Objects effect on other objects - Magnetism [OE008]

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
Continuation of OAT curriculum: Biology – The interaction of life – Interdependence [IOL13] Chemistry – Behaviour of matter – The periodic table [BOM9] Physics – Behaviour of energy – Principles of energy [BOE10]		Completion of OAT curriculum: Biology – Building blocks of life – Inheritance and evolution [BBL5] Chemistry – Chemical reactions – Reactivity of metals [CR5] Physics – Objects effect on other objects – Magnetism [OE008]		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 – Organisation - Tissues, organs and organ systems Organisation – Health and disease Organisation - Enzymes and digestion Chemistry – Chemical changes (reactions of acids) Chemical analysis Bonding, structure and properties Physics – Atomic structure Forces Energy (General science lesson – Ecology unit)		Biology – Infection and response Bioenergetics Chemistry – Bonding, structure and properties Chemical changes 2 (redox reactions) Physics – Energy Forces in action (General science lesson – completion of Ecology)		Biology – Completion of Bioenergetics Homeostasis and response Chemistry – Quantitative chemistry Organic chemistry Physics – Completion of Forces in action Electricity (General science lesson – science skills sessions)	

Brownhills Ormiston Academy Science curriculum map.



Year 11 Science

Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
		PPE diagnosis and feedback Paper 1 preparation Maths skills and disciplinary skills consolidation. PPE2		QLA reteach with new application	
Biology - Inheritance, variation and evolution PPE					
Chemistry – Using resources, chemical analysis, organic chemistry, rates of reaction PPE					
Physics – Electromagnets and magnetism, Particle model PPE					