

5-year curriculum overview

Science



Heworth Grange
School
Enriching Lives, Inspiring Ambitions



Proud to be part of
Consilium
Academies

Year 7

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
<ul style="list-style-type: none"> Cells Material science 	<ul style="list-style-type: none"> Forces Inheritance Substances and mixtures 	<ul style="list-style-type: none"> Substances and mixtures Sound and light. 	<ul style="list-style-type: none"> Organisation Our solar system 	<ul style="list-style-type: none"> Variation, Atoms, Elements and Compounds, 	<ul style="list-style-type: none"> Heating and Cooling Health and Disease, Designing Materials,

Year 8

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
<ul style="list-style-type: none"> Diet & Exercise, Solubility + Chemical and Change, 	<ul style="list-style-type: none"> Motion Earth's Resources, Biochemistry, 	<ul style="list-style-type: none"> Understanding Chemical Reactions, How we See and Making Images, 	<ul style="list-style-type: none"> Air Pollution Space and Beyond Reproduction 	<ul style="list-style-type: none"> Evaporation and Water Cycle, Energy and Reactions, More about Force, Interdependence of Organisms 1, 	<ul style="list-style-type: none"> Simple Electrical Circuits Acids and Alkalis,

Year 9

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
<ul style="list-style-type: none"> Infectious Disease, Weathering and Erosion, More Electrical Circuits, 	<ul style="list-style-type: none"> Waves, Periodic Table, Fuel Uses and Costs 	<ul style="list-style-type: none"> Biodiversity and Human Impact, Rock Changes, Floating and Sinking 	<ul style="list-style-type: none"> Adaptation and Evolution, Magnets and Electromagnets. 	<ul style="list-style-type: none"> Cell Biology, Atomic Structure and Periodic Table, Energy of Moving Particles, Interdependence of Organisms and Classification, 	<ul style="list-style-type: none"> Inheritance and the Genome, Bonding, Measuring and Calculating Motion

Year 10 (Combined Science)

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
<ul style="list-style-type: none"> Cell Transport, Energy of Moving Objects, Quantitative Chemistry, Human Systems, 	<ul style="list-style-type: none"> Crude Oil Circuit Calculations Coordination and Control, 	<ul style="list-style-type: none"> Material Properties, Human Lifestyles and Health, Rates of Reaction and Catalysts, Measuring Waves, 	<ul style="list-style-type: none"> Growth and development, Particle Explanations More Infectious Diseases, Bioenergetics 	<ul style="list-style-type: none"> Acids, bases and Ions, Forces Make Things Change, Sexual and Asexual Reproduction, 	<ul style="list-style-type: none"> Electrolysis, Circuit Components Energy Changes,

Year 10 (Triple Science)

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
<ul style="list-style-type: none"> Cell Transport, Human Systems, 	<ul style="list-style-type: none"> Coordination and Control, 	<ul style="list-style-type: none"> Human Lifestyles and Health, Growth and development 	<ul style="list-style-type: none"> More Infectious Diseases, 	<ul style="list-style-type: none"> Bioenergetics, 	<ul style="list-style-type: none"> Sexual and Asexual Reproduction
<ul style="list-style-type: none"> Quantitative Chemistry, 	<ul style="list-style-type: none"> Crude Oil, Material Properties, 	<ul style="list-style-type: none"> Rates of Reaction and Catalysts, 	<ul style="list-style-type: none"> Acids, bases and Ions, 	<ul style="list-style-type: none"> Electrolysis 	<ul style="list-style-type: none"> Energy Changes,
<ul style="list-style-type: none"> Energy of Moving Objects, Circuit Calculations. 	<ul style="list-style-type: none"> Waves 	<ul style="list-style-type: none"> Particle Explanations 	<ul style="list-style-type: none"> Forces Make Things Change, 	<ul style="list-style-type: none"> Forces Make Things Change (continued) 	<ul style="list-style-type: none"> Circuit Components

Year 11 (Combined Science)

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
<ul style="list-style-type: none"> Human Activity and Impact, Chemical Analysis, Nuclear Physics, 	<ul style="list-style-type: none"> Maintaining Health, Earth and Atmosphere Magnetism and electromagnetism 	<ul style="list-style-type: none"> Explaining evolution and speciation, Chemical Equilibrium Electromagnetic Waves, 	<ul style="list-style-type: none"> Sustainability, Mains Electricity. 	<ul style="list-style-type: none"> Revision 	<ul style="list-style-type: none"> Revision

Year 11 (Triple Science)

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
<ul style="list-style-type: none"> Human Activity and Impact, Chemical Analysis, Nuclear Physics, 	<ul style="list-style-type: none"> Maintaining Health, Earth and Atmosphere Magnetism and electromagnetism 	<ul style="list-style-type: none"> Explaining evolution and speciation, Chemical Equilibrium Electromagnetic Waves, 	<ul style="list-style-type: none"> Sustainability, Mains Electricity. Earth and Space 	<ul style="list-style-type: none"> Revision 	<ul style="list-style-type: none"> Revision