Science at Meols Cop
Using evidence based practice, Students learn powerful knowledge that allows them to have limitless futures.

Year 7

Autumn Term 1	Spring Term 1	Summer Term 1
Introduction into science, The particle model, Energy, Cells	Acids and Alkalis, Muscles and Bones, Sound	Combustion, Fluids
Autumn Term 2	**Spring Term 2**	**Summer Term 2**
Mixtures and separation, Reproduction, Forces	Atoms, elements and molecules, Current Electricity, Ecosystems	Food and Nutrition

Year 8

Autumn Term 1	Spring Term 1	Summer Term 1
The Periodic Table, Light, Plants and reproduction	Earth and Space, Reactivity	Materials of the future, Force Fields
Autumn Term 2	**Spring Term 2**	**Summer Term 2**
Metals and their uses, Energy transfers, Breathing and Respiration	Forces and motion, Genetics and Evolution	Plant Growth

Year 9

Autumn Term 1	Spring Term 1	Summer Term 1
States and mixtures, Separating techniques, Motion, Key Concepts in Biology	Cells and Control, The Periodic Table, Energy	Ionic and Covalent Bonding, Radiation
Autumn Term 2	**Spring Term 2**	**Summer Term 2**
Key Concepts in Biology, Atomic structure	Waves, Electromagnetic spectrum	Radiation

Combined Science

Year 10

Autumn Term 1	Spring Term 1	Summer Term 1
Genetics, Forces and motion	Calculating masses in Chemistry, Evolution and Genetic engineering	Electricity, Electrolysis, Extracting metals from their ores, Reversible reactions
Autumn Term 2	**Spring Term 2**	**Summer Term 2**
Forces and motion, Acids and Alkalis	Health, diseases and drug development, Electricity	Force and matter, The Periodic Table, Rates of reaction

Year 11

Autumn Term 1	Spring Term 1
Evolution and Genetic engineering, Exchange of substances in Humans	Plants, Fuels and the atmosphere
Autumn Term 2	**Spring Term 2**
Homeostasis, Magnetism and Electromagnetism	Biodiversity, The Particle model and forces

Triple Science

Year 10

Autumn Term 1	Spring Term 1	Summer Term 1
Biology – Cells and control Chemistry – Acids and Alkalis Physics - Radioactivity	Biology – Health, diseases and drug development Chemistry – Extracting metals from their ores Physics - Astronomy	Biology – Evolution and Genetic engineering Chemistry – The Periodic Table, Physics - Forces and energy
Autumn Term 2	**Spring Term 2**	**Summer Term 2**
Biology – Genetics Chemistry – Calculating masses in Chemistry Physics – Forces and motion	Biology – Health, diseases and drug development Chemistry – Reversible reactions Physics – Astronomy	Biology – Plants and photosynthesis Chemistry – Rates of reaction Physics – Forces and matter

Year 11

Autumn Term 1	Spring Term 1
Biology – Homeostasis Chemistry – Groups in the Periodic Table Physics – Magnetism and The motor effect	Biology – Biodiversity Chemistry – Earth and atmosphere, Alcohols, Hydrocarbons, Polymers Physics – Particle model
Autumn Term 2	**Spring Term 2**
Biology – Exchange of substances in Humans Chemistry – Rates of reaction, Heat energy, Fuels Physics – Electromagnetic induction	Preparation for external exams