



Science

	Content
Year 10 HT1	This term students will consolidate and further their understanding of the key scientific principles in Biology, Chemistry and Physics to include: Forces and motion, energy transfers and stores, cells, enzymes, cell division, stem cells, specialised cells, the theory of evolution, structure of the atom and the periodic table, chemical bonding.
Year 10 HT2	This half term students will study: Inheritance, Health and disease, structure and bonding, acids and alkalis, Waves.
Year 10 HT3	This half term students will study the following : The electromagnetic spectrum and chemical calculations. They will also complete summative assessments.
Year 10 HT4	This half term students will study: Work and Power and they will also review and recap the knowledge from the course so far, using the summative assessments to identify topics to review.
Year 10 HT5	This half term students will study selection from : Electric circuits, Electrolysis, Photosynthesis (topics to be completed next half term).
Year 10 HT6	This half term students will complete the topics not studied in half term 6 . They will also complete summative assessments and bespoke work following these to address any gaps in knowledge and understanding.
Year 11 HT1	During this half term students will be learning about the following: Photosynthesis, Hormones, Respiration, chemical calculations, Electrolysis.
Year 11 HT2	During this half term students will be learning about the following: Extracting and using metals, Haber process, Groups in the periodic table, rates of reaction, work and power, forces doing work.
Year 11 HT3	During this half term students will be learning about the following: Electric circuits, magnetism, electromagnetic induction, Ecology.
Year 11 HT4	During this half term students will be learning about the following: Exo and endo thermic reactions, Kinetic theory, specific heat capacity, specific latent heat.
Year 11 HT5	During this half term students will be learning about the following: Fuels, Earth and Atmosphere, Hooke's law.
Year 11 HT6	