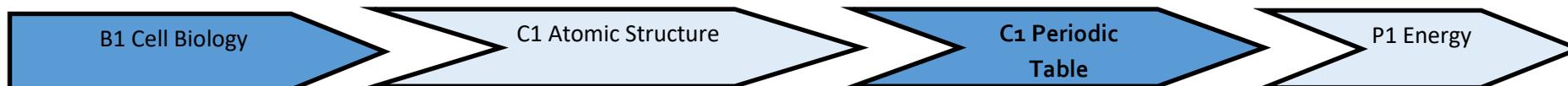
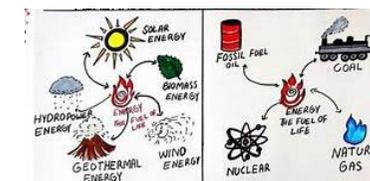
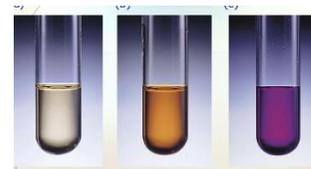
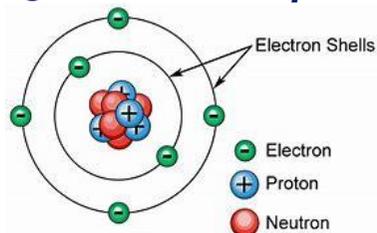


Holland Park School | Year 9 Science: Paper 1 GCSE Combined Science



Overview	Students will acquire Scientific Core knowledge and understanding for Paper 1 Biology ,Chemistry and Physics
Assessment	Topic tests on the three science topics: Cell Biology, Atomic structure and the Periodic table and Energy
Key words	See Knowledge Organiser and Glossary Sheets
Key dates	Retrieval questions done each lesson. Topic tests. B1 test, C1 test and P1 Test. (About every 5 to 6 weeks)

Topics	Key content	Glossary link	Knowledge Organiser link
B1 Biology: Cell Biology	Eukaryotes and Prokaryotes, size of cells, Comparing plant and animal cells, cell speciation, microscopes and magnification, stem cells, mitosis, Osmosis, Active transport		Freesciencelessons.com videos
C1 Chemistry: Atomic Structure and the Periodic Table	Chemical equations, Filtration and crystallisation techniques, History of the Atom, Electronic structure, Groups and Periods on the Periodic table, Metals and Non-metals, Alkali metals, Halogens and Halogen displacement reactions.		Freesciencelessons.com videos
P1 Energy	Energy stores & systems, Kinetic & Potential Energy, Conservation of energy & power (work done calculations), specific heat capacity, Efficiency and reducing unwanted energy transfers, Non-renewable & trends in energy resources.		Freesciencelessons.com