









Curriculum Overview for Science

Year 7

Half Term 3: Substantive Knowledge: Organelles of plant and animal cells Structure and function of plant cells Parts of a microscope Hierarchy of cells, tissues, organs, organ systems, organisms Extremophiles Sampling Disciplinary Knowledge: Use of quadrats		Model reading and highlighting to pick out key details, reading of data, Skim reading
		Cell, organelle, chloroplast, vacuole, cell wall, magnify, microscope, eukaryotic, prokaryotic, specialised, differentiation, unicellular, organisation, organism, Extremophiles, sampling, quadrats, density, floating, sinking,
		End of unit assessment Recall Test
		Article Homework to promote reading like a scientist Revision for end of unit assessment
Half Term 4: Land vs Sea Substantive Knowledge: Sedimentary, igneous and metamorphic rocks Structure of the Earth Rock cycle Motion and forces (graphs). Newton and the unit of force. Balanced and unbalanced forces. Disciplinary Knowledge: Investigate the forces acting on a Rocket and how to minimise or increase them to lead to a successful launch.		Model reading and highlighting to pick out key details, reading of data, Skim reading
		, convection, mantle, crust, tectonics, igneous, rocks, crystal, weathering, erosion, deposition, cementation, sedimentary rocks, heat, pressure, metamorphic, rock cycle. Forces, balanced, unbalanced, gravity.
		End of unit assessment Recall Test
		Article Homework to promote reading like a scientist Revision for end of unit assessment