## Shipston High: Science Curriculum Organic chemistry Chemical analysis, Ecology atmosphere and Rates of reaction Review year 9 season: Resources (review of yr9) Biology Triple GCSE Chemistry **MOCKS** Mocks 2 Physics set 1 Paper 1 Biology, Paper 2, Biology, Chemistry and Combined Science: Trilogy Physics Double GCSE ususally sets 2-5 Forces Magnets Year **I**nheritance Energy Review yr9 Review energy from yr 9 and introduce Particle model equations and introduce equations. Of Matter Organisation Cells waves Review year 9 **Human biology** Build on year 9, Required practical, **Energy changes** diffusion, osmosis, active transport **Homeostasis Atomic structure** Year **Atomic Structure Electricity Bioenergetics** radiation Infection and and Bonding **Photosynthesis** Quantitative and Develop ideas from year 9 response And Periodic table. Introduce covalent, ionic Chemical change And metallic bonding respiration **Ecological interdependence** Chemistry of the atmosphere Trip to Natural History museum and **Forces** and Using Resources Oxford university **Energy** Cells **Electricity** Year 9 and Genes 2 -Ecosystems 2 -**GCSE** magnetism 2 Earth 2 - Climate DNA, **Respiration and** Ready and Earth resources evolution and - Magnets **Photosynthesis** Waves 2 - Light and fields extinction Reactions 2 – **Chemical energy** Forces 2 – Speed, weight Matter 2 – Energy 2 – Energy Organisms 2 and types of **Periodic table** transfers and Breathing, and pressure reactions renewable electricity and Elements digestion and the skeleton Year **Electricity** Earth 1 -8 Genes 1 and **Universe and** Waves 1 - Variation and Reactions 1 magnetism 1 structure of the Sound **Elements and** human - Circuits and Earth compounds and development static charge Ecosystems 1 – acids and alkalis Interdependence and Plant **Organisms 1 reproduction** Matter 1 – **Energy 1 – Heat** Particle model Cells and transfer, Forces 1 – Types and Separating microscopes insulation and of forces and mixtures Hooke's Law work done Year