



LTP 3 Year Rolling Programme- Science-Red Kites



Year 1	Term 1:	Term 2:	Term 3:
FOCUS	Chemistry	Physics	Biology
Skills and Knowledge	Elements, Mixtures and Compounds - Atoms and Elements - Compounds and Mixtures - Separating mixtures - States of Matter - Forms of Carbon - Metals and Ores - Properties of Metals - Alloys - Polymers	Electricity, magnetism and Waves - Current in a circuit - DC and AC current - Wiring a plug - Energy transfer in appliances - Magnets - Electromagnets - Longitudinal and transverse waves - The electromagnetic spectrum	The Human Body - Animal cells - Tissues, organs and systems. - The circulatory system. - The digestive system. - Enzymes in digestion - Respiration - Infectious diseases and the role of white blood cells. - Medicinal drugs. - The nervous system. - Hormone control.
Year 2	Term 1:	Term 2:	Term 3:
FOCUS	Chemistry	Biology	Physics
Skills and Knowledge	Chemistry in our world - Acid and metal reactions - Neutralisation - Rate of reactions - Changes in the atmosphere. - Crude oil and fuels - Burning fuels - Human influence on the atmosphere - Water for drinking.	Environment, evolution and inheritance - The sun as a source of energy and photosynthesis. - Animal adaptations - Food chains and webs - Decomposition and recycling. - Environmental changes - Pollution and the effects of human population growth. - Evolution, natural and artificial selection. - Sexual and asexual reproduction - Human genetics.	Energy, forces and the structure of matter - Changes in energy storage. - Energy resources - Types of force and their effect. - Speed and stopping distances. - Reaction times, weather conditions and braking distances. - Radioactivity