



| Spring Term | |
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| Ecology: Habitats, Adaptations of plants and animals, Food chains, Food webs, Classification, Vertebrates and invertebrates | Practical assessment |
| Acids and alkalis: pH scale, Indicators and testing different indicators, Making red cabbage indicator, Neutralisation reactions, Application of neutralisation reactions. | End of topic test after each unit |
| Electricity: Static electricity, Electrical symbols, Current and parallel circuits, Potential difference, Current, Modelling electricity, Magnets, Electromagnets and their uses. | Assessed tasks/models/projects |
| Reproduction : Plant structure and plant reproduction, Puberty, Male and Female reproductive systems, Menstrual cycle, Fertilisation, Pregnancy, Birth and care for the new baby | |

| Summer Term | |
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| Solar system: The structure of the Solar system, Days, nights and seasons, Phases of the Moon, Mass and Gravity, Space exploration project | |
| Energy: Energy from food, Food labels and comparison of energy values from different | Practical assessment |
| foods, Energy changes, renewable and non-renewable energy sources, generating electricity using fossil fuels, generating electricity using renewable energy resources, | End of topic test after each unit |
| How power station works | Assessed tasks/models/projects |
| Atoms, Elements and Compounds: Atomic structure, Elements and their symbols, The periodic table, Compounds, Making compounds – practice | |
| Mixtures: Compare the properties of mixtures and compounds, Separating mixtures techniques including evaporation, filtration, distillation, chromatography, Pure substances | |
| Key Skills: | |

- Experimental work
 Collecting data
 Interpreting, analysing and evaluating data
 Research and hypothesising
 Predicting and concluding
 Evaluating