

Stone Lodge Academy

Long Term Plan

Subject: Science



Year group	Autumn	Spring	Summer
Primary	Castles & Knights: Materials – Building a Castle Nativity: Constellations / Animals and Humans	Moon Landing / Neil Armstrong: Shadows & Light Food: Living things & their habitats / lifecycles	Dinosaurs: Fossils / Evolution / Carnivore, Herbivore, Omnivore Beside the Seaside: Food Chains
Year 7/8 Cycle A	Introduction to Science Forces and Magnets The Skeleton and Muscles	Light All About Me	Rocks Plants
Year 7/8 Cycle B	Introduction to Science Electricity	All About Me States of Matter	Digestion and Feeding Classification and the Local Environment
Year 9	Lifecycles Sound Reproduction All About Me	Materials Classification	Inheritance Forces Heart and Circulation
Year 10/11 Entry Level Science Blue Green Yellow Cycle A	Physics 1B Waves and Radiation Chemistry 1A Atoms, compounds and states of matter	Biology 1A Cells, genetics, inheritance and modification Healthy Lifestyles & Health Related Decisions	Puberty, Sexual Health, Consent and Fertility Physics 2A Electricity
Year 10/11 Entry Level Science Blue Green Yellow Cycle B	Earth and Space Physics 1A Forces, Movement and Energy Biology 1B Health, disease and the development of medicines Chemistry 1B Separating mixtures, breaking down substances, acids and metals	Puberty Sexual Health and Fertility Contraception and Parenthood Physics 2B Solids, Liquids, Gases, Changing State Biology 2B Homeostasis	Chemistry 2B Combustion and Fire Safety Drugs, Alcohol and Tobacco Managing Risk and Personal Safety Self-Concept and Mental Health
Year 10/11 Unit Awards Purple Red Cycle A	Physics 2 Magnets Physics 1 Space Biology 1 Characteristics of Life, the Body & Mind	Biology 2 Human Reproduction Chemistry 1 Properties of Materials	Chemistry 3 Hazards, Acids and Alkalis Biology 3 Animal Classification Physics 3 Light and EM Spectrum
Year 10/11 Unit Awards	Physics 5 Electricity Physics 6 Safety in the Home and Getting Help	Biology 5 Staying Healthy Biology 6 Puberty and Safe Relationships	Biology 7 Plants Biology 8 Habitats

Purple Red Cycle B	Chemistry 5 Solids, Liquids and Gases Chemistry 6 Changing State	Physics 7 Forces Physics 8 Energy and Insulation	Chemistry 7 Separating Materials Chemistry 8 Dissolving
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The exact order of the topics in year 10 and 11 is occasionally subject to change according to the length of each half term in that particular year – to facilitate never having an exam directly after a break