**Primary 7 Science Curriculum -St Andrew’s Primary**

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| Experiences and outcomes for pupils. National guidelines. | Detail | Significant aspects of learning and *learner statements* |
| SCN 2-20a | Through research and discussion I have an appreciation of the contribution that individuals are making to scientific discovery and invention and the impact this has made on society. | Topical Science Research & discuss scientific discovery and scientific individuals  |
| SCN 2-20b | I can report and comment on current scientific news items to develop my knowledge and understanding of topical science. | Topical Science Report & comment on scientific issues in the world around us.  |
| SCN 2-01a | I can identify and classify examples of living things, past and present, to help me appreciate their diversity. I can relate physical and behavioural characteristics to their survival or extinction. | Planet Earth (Biodiversity and interdependence) Identification and classification of living things; diversity of living things . |
| SCN2-02a | I can use my knowledge of the interactions and energy flow between plants and animals in ecosystems, food chains and webs. I have contributed to the design or conservation of a wildlife area. | Planet Earth (Biodiversity and interdependence) Physical and behavioural characteristics of living things leading to survival or extinction . |
| SCN 2-02b | Through carrying out practical activities and investigations, I can show how plants have benefited society. | Planet Earth (Biodiversity and interdependence) Interactions and energy transfer in food chains and webs and ecosystems. Benefits of plants to society. Oxygen production by plants.  |
| SCN 2-03a | I have collaborated in the design of an investigation into the effects of fertilisers on the growth of plants. I can express an informed view of the risks and benefits of their use.  | Planet Earth (Biodiversity and interdependence) The effects of fertilisers on plant growth Risks and benefits of fertilisers.  |
| SCN 2-12a | By investigating some body systems and potential problems which they may develop, I can make informed decisions to help me to maintain my health and wellbeing. | **Biological systems***Body systems; structure and function, causes and prevention of potential problems*.  |
| SCN 2-12b | I have explored the structure and function of sensory organs to develop my understanding of body actions in response to outside conditions. | Biological Systems (Body Systems & Cells) The structure and function of sensory organs; responses to external stimuli; Role of sense organs in survival  |
| SCN 2-09a | I have used a range of electrical components to help to make a variety of circuits for differing purposes. I can represent my circuit using symbols and describe the transfer of energy around the circuit | Forces, Electricity & Waves (Electricity) Components used in electrical circuits; Circuit diagrams and symbols; Energy transfer in components in electrical circuits.  |
| SCN 2-10a | To begin to understand how batteries work, I can help to build simple chemical cells using readily-available materials which can be used to make an appliance work.  | Forces, Electricity & Waves (Electricity) Simple chemical cells; chemical reactions can produce electrical current.  |