**Primary 5 Science Curriculum**

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| Experiences and outcomes for pupils. National guidelines. | Detail | Significant aspects of learning and *learner statements* |
| SCN 2-08b | By investigating floating and sinking of objects in water, I can apply my understanding of buoyancy to solve a practical challenge. | Forces, Electricity & Waves (Forces)  Floating and sinking; buoyancy. |
| SCN 2-13a | I have contributed to investigations into the role of microorganisms in producing and breaking down some materials. | Biological Systems (Body Systems & Cells)  Microorganisms in the production of and breaking down of materials; Beneficial and harmful microorganisms. |
| SCN 2-18a | I have investigated different water samples from the environment and explored methods that can be used to clean and conserve water and I am aware of the properties and uses of water. | Materials (Chemical changes)  Water: properties, uses and importance of conservation. Methods of cleaning water. |
| SCN 2-17a | Having explored the substances that make up Earth’s surface, I can compare some of their characteristics and uses. | Materials (Earth’s materials)  Earth’s surface; comparisons of the characteristics and uses of some component substances . |
| SCN 2-14a | By investigating the lifecycles of plants and animals, I can recognise the different stages of their development. | Biological Systems (Inheritance)  Life cycles and stages of development in plants and animals***.*** |
| SCN2-14b | By exploring the characteristics offspring inherit when living things reproduce, I can distinguish between inherited and non inherited characteristics. | Biological Systems (Inheritance)  Inherited and non-inherited characteristics. |
| SCN 2-06a | By observing and researching features of our solar systems, I can use simple models to communicate my understanding of size, scale, time and relative motion within it. | Planet Earth (Space)  Our place in the solar system; size, scale, time and relative motion. |
| SCN 2-08a | I have collaborated in investigations to compare magnetic, electrostatic and gravitational forces and have explored their practical applications. | Forces, Electricity & Waves (Forces)  Magnetic, electrostatic and gravitational forces and their applications. |
| SCN2-11a | Through research on how animals communicate, I can explain how sound vibrations are carried by waves through air, water and other media. | Forces, Electricity & Waves  (Vibrations & Waves)  Sound as a longitudinal wave; transmission through air, water and other media.  The use of sound for communication. |
| SCN 2-05a | I can apply my knowledge of how water changes state to help me understand the processes involved in the water cycle in nature over time. | Planet Earth (Processes of the planet)  Describe and explain the water cycle using specific scientific terms. |