Science Long Term Planning- Year 1

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|  | Year 1 / 2 | Year 3 / 4 | Year 5/ 6 |
| Autumn 1 | Animals including humans  Carnivores, herbivores, amphibians, birds and reptiles | Forces and magnets  How forces are made  Gravity  Magnetism | Electricity  Making and changing circuits |
| Autumn 2 | Everyday materials  Floating and sinking  Compare, group and contrast | States of matter  Solids  Liquids  Gases  Heating  Cooling  Evaporation  Condensation | Light  Shadows  Size of shadows  Light sources  rainbows |
| Spring 1 | Plants  Simple parts of a plant  Names of common plants in their environment | Sound  How sounds are made  Sources of sound  How sound travels  Pitch  Volume | Evolution and inheritance  Changes in humans through life  Carnivores  Predators  Primate and change  Charles Darwin |
| Spring 2 | What makes a plant grow well?  Needs of a plant | Plants  How seeds grow  What plants need  Compare conditions | Reversible and irreversible changes |
| Summer 1 | Light  Light sources  Darkness  Compare sources | Animals including humans | Properties and changes of materials  Group everyday materials  Dissolving  Separating mixtures |
| Summer 2 | Living things  Compare living and dead  Food chains  habitats | Nutrition  Skeleton  Key bones | Forces  Water resistance  Measures  Push  Pull drag  Scientist study- sir Issac Newton |

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| Science Long Term Planning- Year 2 | | | |
|  | Year 1 / 2 | Year 3 / 4 | Year 5/ 6 |
| Autumn 1 | Humans  Sense  Body parts | Living things and habitats  Living and non-living  Properties | Life Cycles and plants  Functions  Parts of a plant  Life cycle and growth  Nutrients transported |
| Autumn 2 | Basic needs  Offspring  Exercise  food | Animals including humans  Basic needs  Exercise  Offspring | Habitats  Food chains  Food webs  Producers  Carnivores  Predators  Primate and change- Charles Darwin |
| Spring 1 | In the garden  Local environment/ flowers  Observe how seeds/ bulb grow into plants | Rocks  Physical processes  Compare rocks  Rock formation (igneous, sedimentary)  Fossils | Animals and humans  Diet circulatory system  Describe how nutrients are transported  Functions of teeth and different types |
| Spring 2 | Seasonal changes  Observe changes across 4 seasons  Day length varies in seasons | Electricity | Animals and humans  Teeth  (Y6) |
| Summer 1 | Find out how shapes of solid materials can be changed  Squashing  Bending  Twisting  Stretching | Light | Earth and Space  Sun, solar system |
| Summer 2 | Materials  Simple properties and grouping  Their uses | Habitats  Needs of animals and environments | Space  Orbit  Galaxy  Seasons  Weather  Scientist study Galileo Galilei |