Science Long Term Planning- Year 1

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|  | Year 1 / 2 | Year 3 / 4 | Year 5/ 6 |
| Autumn 1 | Animals including humansCarnivores, herbivores, amphibians, birds and reptiles | Forces and magnetsHow forces are madeGravityMagnetism  | Electricity Making and changing circuits |
| Autumn 2 | Everyday materialsFloating and sinkingCompare, group and contrast | States of matterSolidsLiquidsGasesHeatingCoolingEvaporationCondensation  | Light ShadowsSize of shadowsLight sourcesrainbows |
| Spring 1 | PlantsSimple parts of a plantNames of common plants in their environment | Sound How sounds are madeSources of soundHow sound travelsPitchVolume  | Evolution and inheritanceChanges in humans through life CarnivoresPredatorsPrimate and changeCharles Darwin |
| Spring 2 | What makes a plant grow well?Needs of a plant | Plants How seeds growWhat plants needCompare conditions | Reversible and irreversible changes |
| Summer 1 | LightLight sourcesDarknessCompare sources | Animals including humans | Properties and changes of materialsGroup everyday materialsDissolvingSeparating mixtures |
| Summer 2 | Living thingsCompare living and deadFood chainshabitats | Nutrition Skeleton Key bones  | ForcesWater resistanceMeasuresPushPull dragScientist 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 | HumansSenseBody parts | Living things and habitats Living and non-livingProperties | Life Cycles and plantsFunctionsParts of a plantLife cycle and growthNutrients transported |
| Autumn 2 | Basic needsOffspringExercisefood | Animals including humans Basic needsExerciseOffspring  | Habitats Food chainsFood websProducers CarnivoresPredatorsPrimate and change- Charles Darwin |
| Spring 1 | In the gardenLocal environment/ flowersObserve how seeds/ bulb grow into plants | RocksPhysical processesCompare rocksRock formation (igneous, sedimentary)Fossils | Animals and humansDiet circulatory systemDescribe how nutrients are transportedFunctions of teeth and different types |
| Spring 2 | Seasonal changesObserve changes across 4 seasonsDay length varies in seasons | Electricity | Animals and humansTeeth(Y6) |
| Summer 1 | Find out how shapes of solid materials can be changedSquashingBendingTwistingStretching  | Light  |  Earth and Space Sun, solar system  |
| Summer 2 | MaterialsSimple properties and groupingTheir uses | HabitatsNeeds of animals and environments  |  Space OrbitGalaxySeasonsWeatherScientist study Galileo Galilei |