**Progression of science threads**

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|  | Plants | Animals Including Humans | Living things and their habitats | Seasonal Changes | Materials  And states of matter | Rocks | Light and sound | electricity | Forces and magnets | Evolution and inheritance | Earth and space |
| KS1 | Term 3B  What plants need to grow?  Basic structure of plants.  Naming basic plants. | Term 1A-  Air ,water, food, hygiene,  Name and draw body parts.  Term 2B  Omnivores carnivores, different structures, simple food chain  Grouping | Term 1A – Differences between living and dead  Term 3A  Groups of animals  How animals/ plants are adapted to their habitats | Term 3B  Basic changes of the four seasons and daylight hours | Term 2A  Naming, sorting and basic properties of materials  Waterproof and absorbent.  Term 1B  Sorting basic properties and their suitability. |  |  |  |  |  |  |
| LKS2 | Term 3A  Transportation of water  Parts of a plant and their uses, pollination and seed dispersal. | Term1A  Animals and Humans  Skeletons and muscles  Term 3A  Digestive system, Teeth, food chains | Term 3B  Groupings of living things including invertebrate and vertebrate  How environment affects plants/animals |  | Term 1B  Matter changes when heated or cooled  Solids, liquids and gases | Term1A  Comparing and grouping  Simple terms  Fossils formation  Sis are made from rocks and organic matter. | Term 3B  Light sources, shadows and changes through distance  Sound  Frequency, pitch, sound waves.  Distance affects volume. | Term 3A  Identify basic parts of a circuit. Understand how a switch works  Conductors and insulators | Term2A  Magnets friction and poles |  |  |
| UKS2 | Term 2B  Classification  Term 3B  Adaptation to habitats. | Term 1B  Main parts of the heart and their function  The way nutrients and water travel around the body  The human life cycle. | Term 2B  Classification of plants and animals including micro organisms |  | Term 2A  Know some material dissolve  Fair testing  Irreversible and reversible |  | Term 1A  Light  Appears to travel in straight lines, that light reflects from an object.  Know that objects block light which is why shadows are formed. | Term 1A  Electricity  Understand the brightness of the bulb is because of the number of volts  Use symbols within a circuit. | Term 3A  Gravity  Air resistance  Water resistance.  Friction | Term 3B  Living thigs have changed over time  Living things have adapted to their habitats  Offspring normally look like their off spring. | Term 3A  Movement of the earth and other planets  Earths rotation and day and night. |