Science Curriculum – Year 4

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| **Living things and their habitats**   * I can recognise that living things can be grouped in a variety of ways * I can explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment * I can recognise that environments can change and that this can sometimes pose dangers to living things. |
| **Animals, including humans**   * I can describe the simple functions of the basic parts of the digestive system in humans * I can identify the different types of teeth in humans and their simple functions * I can construct and interpret a variety of food chains, identifying producers, predators and prey. |
| **States of matter**   * I can compare and group materials together, according to whether they are solids, liquids or gases * I can observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C) * I can identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature. |
| **Sound**   * I can identify how sounds are made, associating some of them with something vibrating * I can recognise that vibrations from sounds travel through a medium to the ear * I can find patterns between the pitch of a sound and features of the object that produced it * I can find patterns between the volume of a sound and the strength of the vibrations that produced it * I can recognise that sounds get fainter as the distance from the sound source increases. |
| **Electricity**   * I can identify common appliances that run on electricity * I can construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers * I can identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery * I can recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit * I can recognise some common conductors and insulators, and associate metals with being good conductors. |