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.
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| **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.
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| **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.
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| **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.
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| **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.
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