



Science Learning Ladders



Year 4	Areas of Study-
<p>Living things and their Habitats</p>	<ul style="list-style-type: none"> ■ 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.
<p>Animals, inc Humans</p>	<ul style="list-style-type: none"> ■ 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.
<p>States of Matter</p>	<ul style="list-style-type: none"> ■ 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.
<p>Sound</p>	<ul style="list-style-type: none"> ■ 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
	<ul style="list-style-type: none"> ■ 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.
<p>Electricity</p>	<ul style="list-style-type: none"> ■ 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. ■ 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.