

Deaf Hill Science	Autumn	Spring	Summer
Year 1	<p><b>Everyday Materials</b></p> <ul style="list-style-type: none"> <li>• Know the name of the materials an object is made from</li> <li>• Know about the properties of everyday materials</li> </ul> <p><b>Seasonal change – Autumn</b> <b>Seasonal change – Winter</b></p> <ul style="list-style-type: none"> <li>• Name the seasons and know about the type of weather in each season</li> </ul> <p><b>Animals including humans</b></p> <ul style="list-style-type: none"> <li>• Know the name of parts of the human body that can be seen</li> </ul>	<p><b>Animals including humans</b></p> <ul style="list-style-type: none"> <li>• Know the name of parts of the human body that can be seen</li> </ul> <p><b>Animals including humans – Carnivores</b></p> <ul style="list-style-type: none"> <li>• Know how to classify a range of animals by amphibian, reptile, mammal, fish and birds</li> <li>• Know and classify animals by what they eat</li> <li>• Know how to sort by living and non living things</li> </ul> <p><b>Seasonal change – Spring</b></p> <ul style="list-style-type: none"> <li>• Name the seasons and know about the type of weather in each season</li> </ul>	<p><b>Seasonal change – Summer</b></p> <ul style="list-style-type: none"> <li>• Name the seasons and know about the type of weather in each season</li> </ul> <p><b>Plants</b></p> <ul style="list-style-type: none"> <li>• Know and name a variety of common wild and garden plants</li> <li>• Know and name the petals, stem, leaves and root of a plant</li> <li>• Know and name the roots, trunk, branches and leaves of a tree</li> </ul>
Year 2	<p><b>Animals including humans</b></p> <ul style="list-style-type: none"> <li>• Know the basic stages in a life cycle for animals including humans</li> <li>• Know why exercise, a balanced diet and good hygiene are important for humans</li> </ul> <p><b>Everyday materials</b></p> <ul style="list-style-type: none"> <li>• Know how materials can be changed by squashing, bending, twisting and stretching</li> </ul>	<p><b>Everyday materials</b></p> <ul style="list-style-type: none"> <li>• Know how materials can be changed by squashing, bending, twisting and stretching</li> <li>• Know why a material might or might not be used for a specific job</li> </ul> <p><b>Plants</b></p> <ul style="list-style-type: none"> <li>• Know and explain how seeds and bulbs grow into plants</li> <li>• Know what plants need in order to grow and stay healthy</li> </ul>	<p><b>Living things and their habitats</b></p> <ul style="list-style-type: none"> <li>• Classify things by living, dead or never lived</li> <li>• Know how a specific habitat provides for the basic needs of things living there</li> <li>• Match living things to their habitat</li> <li>• Name some different sources of food for animals</li> <li>• Know about and explain a simple food chain</li> </ul>

	<ul style="list-style-type: none"> <li>• Know why a material might or might not be used for a specific job</li> </ul>	<b>Forces +</b>	
Year 3	<p><b>Rocks</b></p> <ul style="list-style-type: none"> <li>• Compare and group rocks based on their appearance and physical properties</li> <li>• Know how soil is made and how fossils are formed</li> <li>• Know about and explain the difference between sedimentary, metamorphic and igneous rock</li> </ul> <p><b>Light</b></p> <ul style="list-style-type: none"> <li>• Know that dark is the absence of light</li> <li>• Know that light is needed in order to see and is reflected from a surface</li> <li>• Know and demonstrate how a shadow is formed and explain how a shadow changes shape</li> <li>• Know about the danger of direct sunlight and describe how to keep protected</li> </ul>	<p><b>Forces</b></p> <ul style="list-style-type: none"> <li>• Know about and describe how objects move on different surfaces</li> <li>• Know how a simple pulley works</li> <li>• Know how some forces require contact and some do not</li> <li>• Know about and explain how magnets attract and repel</li> </ul> <p><b>Animals including humans</b></p> <ul style="list-style-type: none"> <li>• Know about the importance of a nutrition diet</li> <li>• Know how nutrients, water and oxygen are transported within animals and humans</li> <li>• Know about the skeletal and muscular system of a human</li> </ul>	<p><b>Plants</b></p> <ul style="list-style-type: none"> <li>• Know the function of different parts of flowering plants and trees</li> <li>• Know how water is transported within plants</li> <li>• Know the plant life cycle</li> </ul>
Year 4	<p><b>Animals including humans</b></p> <ul style="list-style-type: none"> <li>• Identify and name the parts of the digestive system</li> <li>• Know the functions of the organs in the human digestive system</li> <li>• Identify and know the different types of human teeth</li> </ul>	<p><b>States of Matter</b></p> <ul style="list-style-type: none"> <li>• Know the temperature at which materials change state</li> <li>• Know about and explore how some materials can change state</li> </ul>	<p><b>Electricity</b></p> <ul style="list-style-type: none"> <li>• Identify and name appliances that require electricity to function</li> <li>• Construct a series circuit</li> <li>• Identify and name the components in a series circuit</li> </ul>

	<ul style="list-style-type: none"> <li>• Know the functions of human teeth</li> <li>• Use and construct food chains to identify producers, predators and prey</li> </ul> <p><b>All living things and their habitats</b></p> <ul style="list-style-type: none"> <li>• Use classification keys to group, identify and name living things</li> <li>• Know how changes to an environment could endanger living things</li> <li>• Group materials based on their state of matter</li> </ul>	<ul style="list-style-type: none"> <li>• Know the part played by evaporation and condensation in the water cycle</li> </ul>	<ul style="list-style-type: none"> <li>• Predict and test whether a lamp will light within a circuit</li> <li>• Know the function of a switch</li> <li>• Know the difference between a conductor and an insulator</li> </ul> <p><b>Sound</b></p> <ul style="list-style-type: none"> <li>• Know how sound is made</li> <li>• Know how sound travels from a surface to our ears</li> <li>• Know the correlation between pitch and the object</li> <li>• Know the correlation between the volume of a sound and the strength of the vibrations that produced it</li> <li>• Know what happens to a sound as it travels away from its source</li> </ul>
Year 5	<p><b>Forces</b></p> <ul style="list-style-type: none"> <li>• Know what gravity is and its impact on our lives</li> <li>• Identify and know the effect of air and water resistance</li> <li>• Identify and know the effect of friction</li> <li>• Explain how levers, pulleys and gears allow a smaller force to have a greater effect</li> </ul> <p><b>Earth and Space</b></p> <ul style="list-style-type: none"> <li>• Know about and explain the movement of the Earth and other planets relative to the sun</li> </ul>	<p><b>All living things and their habitats</b></p> <ul style="list-style-type: none"> <li>• Know the life cycle of different living things</li> <li>• Know the differences between different life cycles</li> <li>• Know the process of reproduction in plants</li> <li>• Know the process of reproduction in animals</li> </ul> <p><b>Animals including Humans</b></p> <ul style="list-style-type: none"> <li>• Create a timeline to indicate stages of growth in humans</li> </ul>	<p><b>Properties and changes in Materials</b></p> <ul style="list-style-type: none"> <li>• Compare and group properties based on their properties</li> <li>• Know and explain how a material dissolves to form a solution</li> <li>• Know and show how to recover a substance from a solution</li> <li>• Know and demonstrate how some materials can be separated</li> <li>• Know and demonstrate that some changes are reversible, and some are not</li> <li>• Know how some changes result in the formation of a new material</li> </ul>

	<ul style="list-style-type: none"> <li>• Know about and explain the movement of the moon relative to the Earth</li> <li>• Know and demonstrate how night and day are created</li> <li>• Describe the sun, earth and moon using the term spherical</li> </ul>		
Year 6	<p><b>Living things and their habitats</b></p> <ul style="list-style-type: none"> <li>• Classify living things into broad groups based on similarities and differences</li> <li>• Know how living things can be classified</li> <li>• Give reasons for classifying plants and animals in a specific way</li> </ul> <p><b>Evolution and inheritance</b></p> <ul style="list-style-type: none"> <li>• Know how the earth and living things have changed over time</li> <li>• Know how fossils can be used to find out about the past</li> <li>• Know about reproduction and offspring</li> <li>• Know how animals and plants are adapted to suit their environment</li> <li>• Link adaptation over time to evolution</li> <li>• Know about evolution and can explain what it is</li> </ul>	<p><b>Animals including humans</b></p> <ul style="list-style-type: none"> <li>• Identify and name the main parts of the human circulatory system</li> <li>• Know the functions of the heart, blood vessels and blood</li> <li>• Know the impact of diet, exercise drugs and lifestyle on health</li> <li>• Know the way in which nutrients and water are transported</li> </ul>	<p><b>Electricity</b></p> <ul style="list-style-type: none"> <li>• Compare and give reasons why components work and do not work in a circuit</li> <li>• Draw circuit diagrams using correct symbols</li> <li>• Know how the number and voltage of cells in a circuit links to the brightness of a lamp or the volume of a buzzer</li> </ul> <p><b>Light</b></p> <ul style="list-style-type: none"> <li>• Know how light travels</li> <li>• Know and demonstrate how we see objects</li> <li>• Know why shadows have the same shape as the object that casts them</li> <li>• Know how simple optical instruments work</li> </ul>