

<p style="text-align: center;"><u>Living things and their habitats</u></p> <p>The children will be taught:</p> <ul style="list-style-type: none"> to identify and sequence the main stages in the life cycles of birds, amphibians and mammals to identify and sequence the main stages in the life cycle of a vegetable or flower within the school environment about the parts of a flower used in reproduction what pollination is and how it might happen what fertilization is and how it might happen how the developed seed is dispersed and know why this is important know what germination is 	<p style="text-align: center;"><u>Earth and Space</u></p> <p>The children will be taught:</p> <ul style="list-style-type: none"> to name and sequence parts of our solar system what the word orbit means and how planets do this at different speeds how long it takes for the Earth to orbit the Sun what people used to believe about the solar system why the Moon orbits the Earth, how long it takes and its appearance as it moves about the relative size and shape of the Sun, Earth and Moon how the rotation of the Earth creates night and day how the appearance of the Sun will change during one rotation of the Earth. 	<p style="text-align: center;"><u>Properties and changes in materials</u></p> <p>The children will be taught:</p> <ul style="list-style-type: none"> to describe and compare solid materials using terms: hardness, strength, stiffness, flexibility, elasticity, plasticity, absorbency and permeability to identify materials that are good conductors and insulators for electricity or heat how to test which metals are most magnetic to identify uses for materials based on properties what the terms dissolve, substance, solution, solubility, suspension and transparency mean to separate mixed materials using sieving, filtering and evaporation what reversible and irreversible changes are, give examples, and that an irreversible change means something new has been made.
<p style="text-align: center;"><u>Animals including humans</u></p> <p>The children will be taught:</p> <ul style="list-style-type: none"> how to make notes and timelines to show the stages in the growth of humans about the changes that happen to humans during puberty about the gestation period of humans and other animals. 	<p style="text-align: center;"><u>Forces</u></p> <p>The children will be taught:</p> <ul style="list-style-type: none"> about Isaac Newton and what gravity is about the difference between the mass and the weight of an object how the force of friction acts between objects and surfaces how to investigate air and water resistance and how forces can be changed about how levers, pulleys and gears help move objects. 	
<p style="text-align: center;"><u>Working scientifically.</u> The children will have the opportunity to:</p> <ul style="list-style-type: none"> plan different types of scientific enquiries to answer questions take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs use test results to make predictions to set up further comparative and fair tests report and present findings from enquiries, including conclusions, causal relationships and explanations in oral and written forms such as displays and other presentations identify scientific evidence that has been used to support or refute ideas or arguments. 		