



Science Learning Ladders



Year 6	Areas of Study-
Living things and their Habitats	<ul style="list-style-type: none"> ■ I can describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals ■ I can give reasons for classifying plants and animals based on specific characteristics.
Animals, inc Humans	<ul style="list-style-type: none"> ■ I can identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood ■ I can recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function ■ I can describe the ways in which nutrients and water are transported within animals, including humans.
Evolution and Inheritance	<ul style="list-style-type: none"> ■ I can recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago ■ I can recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents ■ I can identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.
Light	<ul style="list-style-type: none"> ■ I can use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye ■ I can explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
	<ul style="list-style-type: none"> ■ I can use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.
Electricity	<ul style="list-style-type: none"> ■ I can associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit ■ I can compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches ■ I can use recognised symbols when representing a simple circuit in a diagram.