



have collated supports or refutes their original hypothesis.

Science Progression of Skills







Year 6 National Curriculum Objectives for Science: Children will be taught to:

Year 6 Working Scientifically: Programmes of Study and topic links: Pupils should be taught to use the following practical scientific Identity: (Animals including Humans) methods, processes and skills: identify and name the main parts of the human circulatory system, and • In pairs or groups plan different types of scientific enquiries to describe the functions of the heart, blood vessels and blood. answer questions, including recognising and controlling variables recognise the impact of diet, exercise, drugs and lifestyle on the way their • where necessary. body's function. taking measurements, using a range of scientific equipment, with describe the ways in which nutrients and water are transported within animals, • increasing accuracy and precision, taking repeat readings and including humans. calculate a mean when appropriate. recording data and results of increasing complexity using The Lost World: (Living Things and their Habitats & Evolution and scientific diagrams and labels, classification keys, tables (including Inheritance) numbered readings and mean), scatter graphs, bar and line graphs. recognise that living things have changed over time and that fossils provide • information about living things that inhabited the Earth millions of years ago. using test results to make predictions to set up further fair tests. • recognise that living things produce offspring of the same kind, but normally reporting and presenting findings from enquiries, including offspring vary and are not identical to their parents conclusions, causal relationships and explanations of and a • identify how animals and plants are adapted to suit their environment in degree of trust in results, in oral and written forms such as different ways and that adaptation may lead to evolution. displays and other presentations. describe how living things are classified into broad groups according to identifying scientific evidence that has been used to support or ٠ common observable characteristics and based on similarities and differences, refute ideas or arguments. E.g. Make a prediction and at the end including micro-organisms, plants and animals of the investigation refer back to it and see if the evidence they

• give reasons for classifying plants and animals based on specific characteristics

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	Disasters: (Forces)
	 identify the effects of air resistance, water resistance and friction, that act between moving surfaces
	 recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect
	<u>Electricity – Discrete:</u>
	 associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
	 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
	 use recognised symbols when representing a simple circuit in a diagram.
Notes	
Children Werking Below	Children who are working shows shipstives listed shows
<u>Children Working Below</u>	Children who are working above objectives listed above