Year 6 Science Key Objectives

Taken from the National Curriculum

1	**Using test results to make predictions to set up further comparative and fair tests**
2	Using simple models to describe scientific ideas
3	Identifying scientific evidence that has been used to support or refute ideas or arguments.
4	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
5	Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
6	Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents
7	Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.
8	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
9	Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
10	Use recognised symbols when representing a simple circuit in a diagram.

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Summarised form

1	**Use test results to design further investigations**
2	Using simple models to describe scientific ideas
3	Identifying scientific evidence that has been used to support or refute ideas or arguments.
4	Classify some plants, animals or micro-organisms, explaining the choices made
5	Explain the main parts and functions of the human circulatory system, including heart and blood vessels
6	Recognise that living things produce offspring which are not usually identical to their parents
7	Identify how adaptation of plants and animals over time may lead to evolution.
8	Explain that we see things which either give out or reflect light
9	Explain how the number of voltage of cells affects bulbs, buzzers or motors in a circuit
10	Use recognised symbols when representing a simple circuit in a diagram.