

## S1 Science: how well is your learning progressing?

Key area 7: Evolution, light and cells.	I can do this.	I need to go over this.	I don't know this.	Level
I appreciate how fossil discovery has informed our understanding of the origins of humans.				3
I understand that modern day humans have evolved from monkey-type ancestors.				3
I understand that evolution involves physical changes.				3
I understand how humans have changed from their ancestors through evolution.				3
I can state that all life originated from a single cell.				3
I can name the basic parts of a microscope.				3
I can use a microscope to magnify and focus.				3
I can state that the bending of light is called refraction.				3
I can state that a convex lens bends light rays together (converging) and a concave lens spreads light rays apart (diverging).				3
I can state the parts of the eye (cornea, pupil, iris, lens, retina, optic nerve) and describe their functions.				3
I can use my understanding of how lenses bend light to solve problems.				3

I can draw and label an animal cell.				3
I can make a microscope slide of my cheek cell and observe it under the microscope.				3
I can draw and label a plant cell.				3
I can make a microscope slide of an onion cell and observe it under the microscope.				3
I can identify the different parts of animal and plant cells and state their functions.				3
I can state that <b>DNA</b> carries the instructions to make proteins.				3
I can state that <b>DNA</b> carries the instructions to make the physical parts of me.				3
I understand that I inherit the same amount of <b>DNA</b> from each parent.				3
I can follow a scientific method to isolate <b>DNA</b> from a fruit.				3