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

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| **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 DNA carries the instructions to make proteins. |  |  |  | 3 |
| I can state that DNA carries the instructions to make the physical parts of me. |  |  |  | 3 |
| I understand that I inherit the same amount of DNA from each parent. |  |  |  | 3 |
| I can follow a scientific method to isolate DNA from a fruit. |  |  |  | 3 |