| I can | Science – Year 4 | Start | End  |
| --- | --- | --- | --- |
| Working scientifically | Ask relevant questions. |  |  |
| Use different types of experiments to answer questions. |  |  |
| Make careful observations and take accurate measurements using:  |
| Thermometers. |  |  |
| Data loggers. |  |  |
| Rulers. |  |  |
| Add your own |  |  |
| Classify my results and present the data. |  |  |
| Record my in a report using:  |
| Charts. |  |  |
| Graphs. |  |  |
| Diagrams. |  |  |
| Deliver an oral report on my findings. |  |  |
| Use the evidence from my results to give you a conclusion. |  |  |
| Evaluate the experiment and suggest improvements. |  |  |
| Living things and their habitats | Tell you about how different living things can be grouped together. |  |  |
| Tell you about how environmental changes can affect living things. |  |  |
| Show you how to use a classification key. |  |  |
| Tell you about the lifecycle of a flowering plant. |  |  |
| Animals including humans | Tell you about the different parts of the human digestive system. |  |  |
| Tell you about the different types of teeth I have in my mouth. |  |  |
| Draw a food chain. |  |  |
| States of matter | Group materials by state (solid, liquid, gas). |  |  |
| Describe what happens to water as it is heated and cooled. |  |  |
| Measure temperature in degrees Celsius. |  |  |
| Tell you about the water cycle. |  |  |
| Forces/ magnets | Tell you how sounds are made. |  |  |
| Tell you how sound travels to your ear. |  |  |
| Tell you how the pitch of a sound depends on the object that produced it. |  |  |
| Describe volume in terms of vibrations. |  |  |
| Tell you what happens to a sound when you get further away from it. |  |  |
| Electricity | Tell you some appliances that run on electricity. |  |  |
| Build a series electrical circuit and identify each element. |  |  |
| Tell you, by looking, whether a light will switch on in a circuit. |  |  |
| Tell you about how switches work in a circuit. |  |  |
| Tell you a list of common conductors. |  |  |
| Tell you a list of common insulators. |  |  |
| Tell you why metal is a good conductor. |  |  |