Year 1 Working scientifically

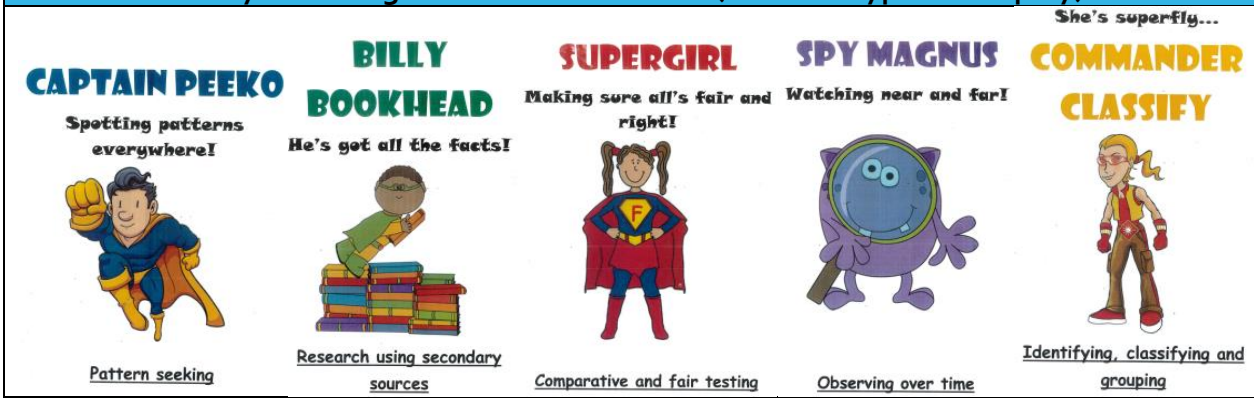
Prior and future learning

Prior Knowledge…	What's next?
• General sensory observations of animals and plants. • Simple descriptions of the world around them. • Looking at objects and pictures and discussing what they can see. • Asks questions about aspects of their familiar world. • Generating a variety of ideas for testing (not always realistic/appropriate). • Measure by direct comparison. • Non-standard units of measurement. • Simple comparative vocabulary – bigger, smaller. • Talking about objects and events. • Simple recording – pictures/images. • Noticing 'which worked best' – simple comparative statements.	• Ask simple questions (without prompting) that can be tested, e.g. about plants growing in their habitat. • Offer ways of gathering evidence to answer a question, e.g. by deciding on the best material to use for a particular application. • Examine objects to note key features, e.g. observe growth of plants they have planted. • With support, conduct simple tests, e.g. comparing the properties of different materials. • With prompting, identify what might usefully be recorded, e.g. drawing structures of plants or recording changing day length. • Identify key findings from an enquiry, e.g. noting how plants have changed over time. • Collect data, e.g. comparing and contrasting familiar plants. • Suggest answers to enquiry questions using data, e.g. describe how to group plants.

Track your learning

Skill	How I will show what I've learned	☹	😐	☺
Plan	I can, with prompting, ask simple questions that can be tested, e.g. about plants growing in their habitat.			
	I can offer ways of gathering evidence to answer a question			
Do	I can examine objects e.g. observe growth of plants I have planted.			
	I can, with support, conduct simple tests, e.g. comparing the properties of different materials			
Record	I can, with prompting, identify what might usefully be recorded.			
Report	I can identify key findings from an investigation.			
Review	I can collect data.			
	I can suggest answers to enquiry questions using data.			

Key knowledge I need to understand (different types of enquiry)



Vocabulary	
Classify	**To arrange things in categories according to shared characteristics or properties.**
Observe	**To watch something carefully.**
Equipment	**The items necessary for a particular science experiment.**
Identify	**To establish what something is.**
Interpret results	**To understand what your results mean.**
Group	**Put things together that are similar in some way.**
Sort	**Put things in groups.**
Compare	**To draw an analogy between one thing and (another) for the purposes of explanation or clarification.**
Contrast	**To show how something is different in a science experiment.**
Biology	**The study of living organisms.**
Chemistry	**The study of chemicals and substances and what they're made up of.**
Physics	**The study of properties of matter and energy.**
Record	**To write down something that can be referred to in an investigation.**