Working Scientifically (Years 3 & 4)

In addition to having scientific knowledge, we need to develop our skills.
These are the skills needed for KS2 scientists. Are you doing these during your home experiments? Are you doing these at any other times during the day?

Planning Investigations

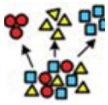
- ☐ I can ask questions (For example: where can I see changing states of matter?) (solid, liquid, gas)
- ☐ I can plan an enquiry (For example: observe changes over time, run a comparative test)
- ☐ I can identify and manage variables (For example: how far something moves on different surfaces)

Conducting Experiments

- ☐ I can use equipment to take measurements (For example: thermometer, timer)
- ☐ I can explore how to improve the quality of data (For example: What is the temperature when washing is drying? Measure to one decimal place)

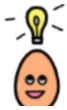
Recording evidence

- ☐ I can record work with diagrams and label them
- ☐ I can display data using labelled diagrams, keys, tables and bar charts
- ☐ I can display data using line graphs



Reporting findings

- ☐ I can process findings to develop conclusions and identify relationships
- ☐ I can use displays and presentations to report my findings



Conclusions and predictions

- ☐ I can analyse data (For example: recognise patterns, which material makes better earmuffs?)
- ☐ I can draw conclusions (For example: the effect of temperature on different substances)
- ☐ I can develop investigations further (For example: use your findings to make your own instrument)