Investigators





These days we have lots of science knowledge at our fingertips; it can be found quickly and easily on the Internet. The science knowledge in books and websites is what other scientists have discovered in the past. To discover new things ourselves we need to be able to be able to 'do' science not just 'know' about it.











- Several ways to investigate in science
- How to make sure our investigations are well designed and reliable
- Ways to: collect, record, interpret and present our findings
- Several materials and their properties

Learning Goals

- 3.1 Know that the study of science is concerned with investigating and understanding the animate and inanimate world around us
- 3.2 Be able to conduct scientific investigations: Posing scientific questions
- Choosing an appropriate way to investigate a scientific issue
- Using our scientific knowledge and understanding to predict the outcome
- Relating the outcome to our original prediction
- Making systematic and accurate measurements from our observations
- Drawing conclusions based on the evidence
- Explaining and justifying our predictions, investigations, findings and conclusions
- Recording and communicating our findings accurately using the most appropriate medium and the appropriate scientific vocabulary and conventions
- Repeating investigations, observations and measurements to check their accuracy and validity
- Identifying patterns in the results
- Using scientific language to explain any differences found in the results of investigations
- Suggesting ways in which our investigations and working methods could
- Relating our own investigations to wider scientific ideas

























