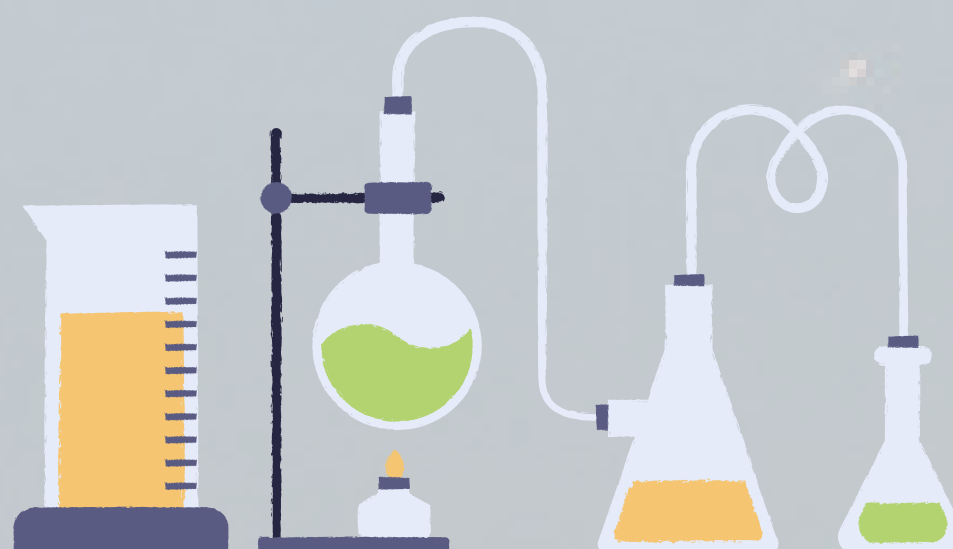
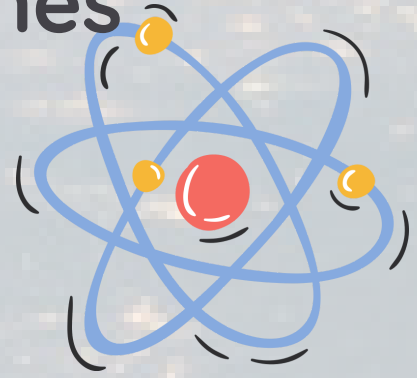




# KS2 Scientists...



- Recall the key knowledge they have been taught in each year across the disciplines of biology, chemistry and physics.
- Have a conceptual understanding of the specific disciplines of biology, chemistry and physics.
- Have a sense of excitement and curiosity about natural phenomena.
- Demonstrate a desire to know why things happen and how things work.
- Independently raise questions to investigate scientifically.
- Be competent in the skills of scientific enquiry (including observing over time; pattern seeking; identifying, classifying and grouping; comparative and fair testing).
- Understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.
- Have the ability to undertake a variety of practical work in a variety of contexts.
- Collect, analyse and interpret a range of data to answer scientific questions.
- Use scientific knowledge and understanding in written and verbal explanations, solving challenging problems and reporting scientific findings.
- Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

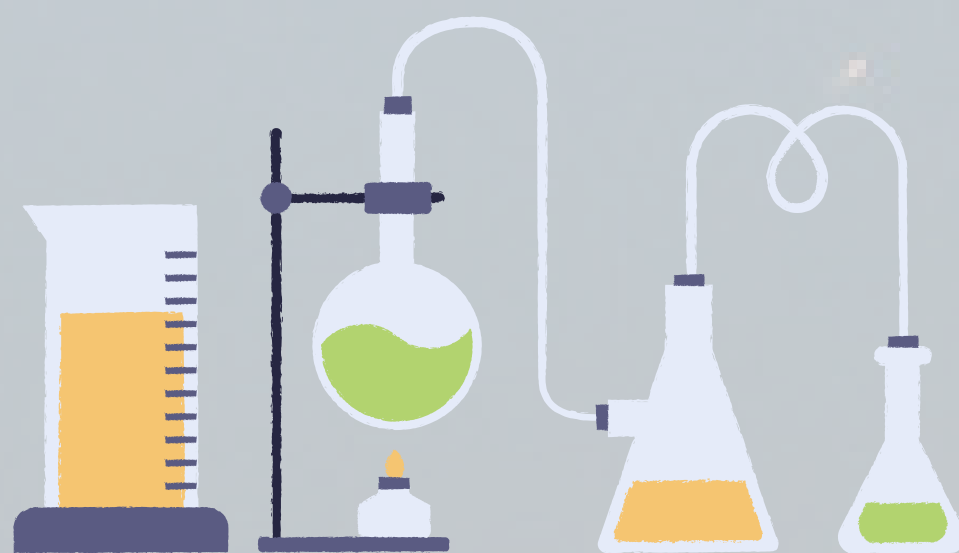
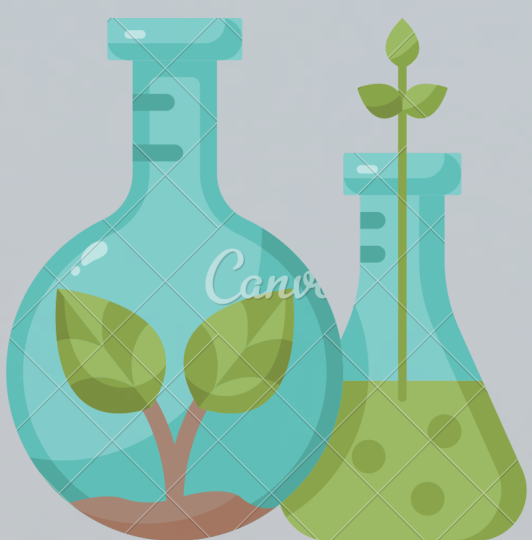
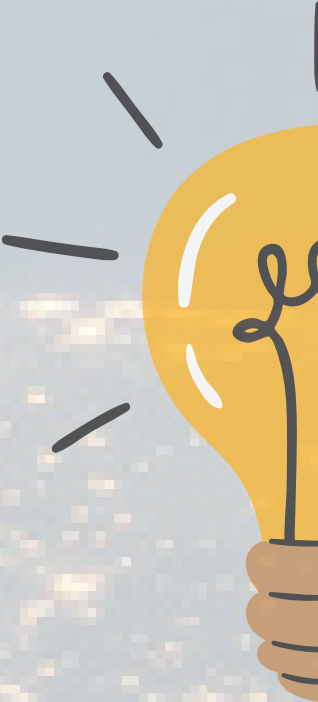
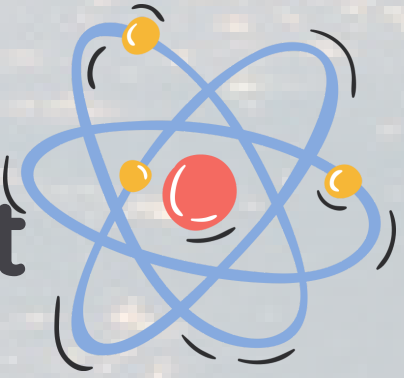


**'Understanding the world and how to investigate it.'**

# KS1 Scientists...



- Recall the key knowledge they have been taught in each year across the disciplines of biology, chemistry and physics.
- Ask their own simple questions about what they observe.
- Observe and explain changes over time.
- Use simple equipment to answer questions.
- Gather and record data
- Notice patterns through scientific enquiry.
- Group and classify things.
- Carry out simple comparative tests.
- Find things out using secondary sources of information.



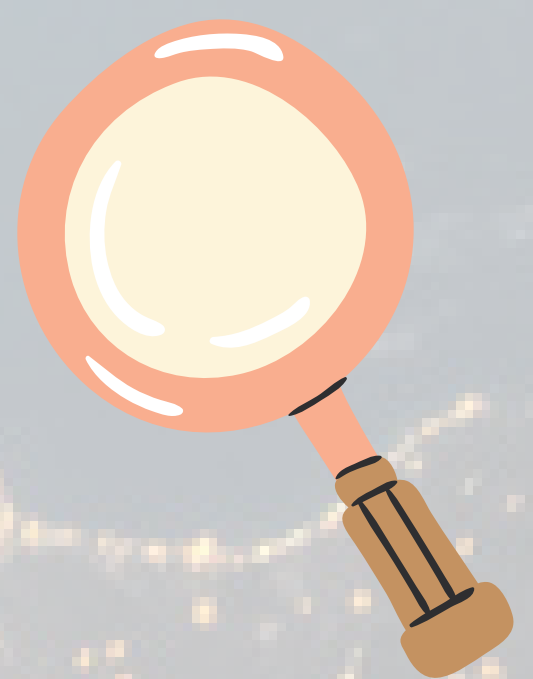
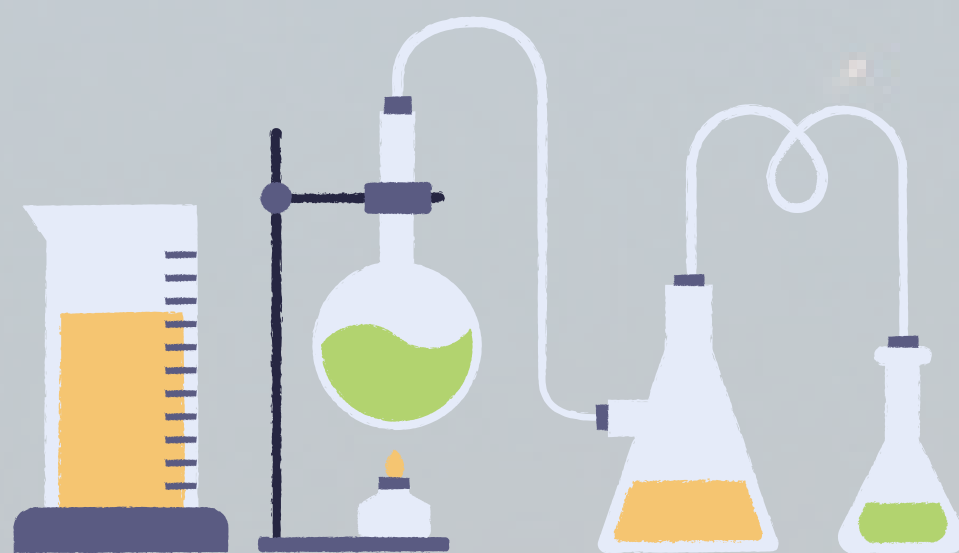
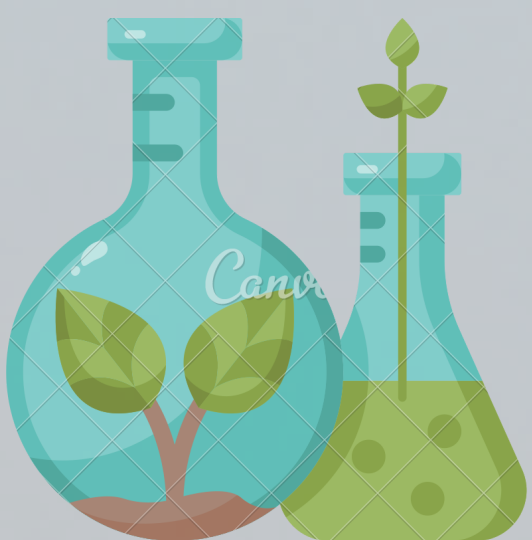
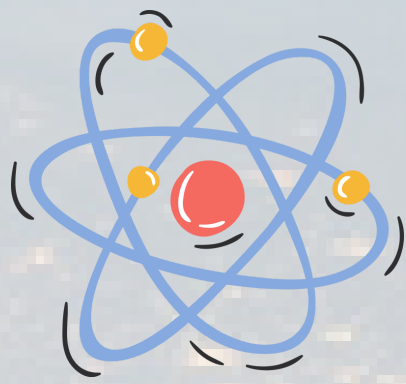
'Understanding the world and how to investigate it.'



# Scientists...



- Recall knowledge from biology, chemistry and physics.
- Have excitement and curiosity about natural events.
- Ask questions.
- Want to know why things happen and how things work.
- Plan and carry out scientific investigations.
- Are Imaginative and innovative.
- Think outside the box.
- Explain what is happening.
- Predict what will happen next.
- Solve problems.
- Collect, analyse and interpret data.
- Report findings.
- Understand the different types of enquiries.
- Consider science in the past, present and future.
- Know about the work of famous scientists



'Understanding the world and how to investigate it.'