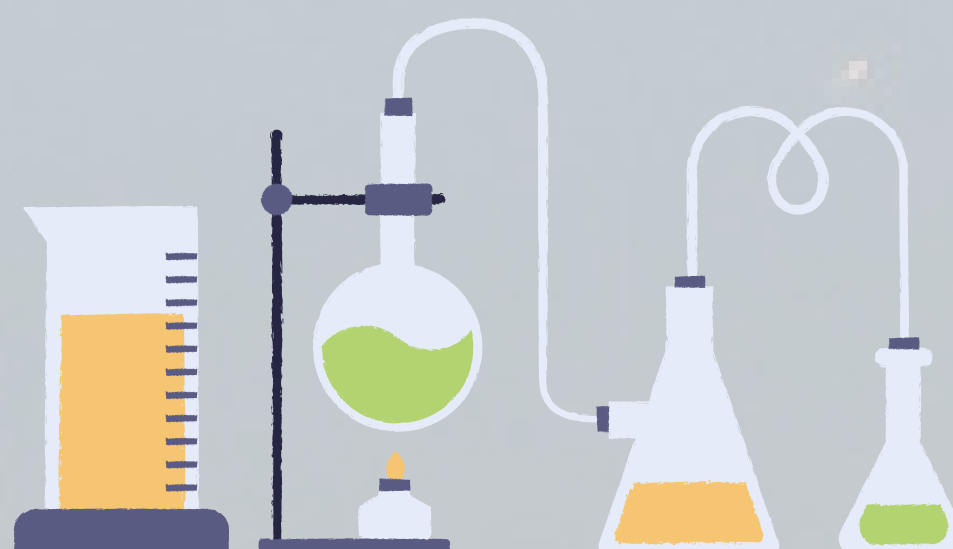
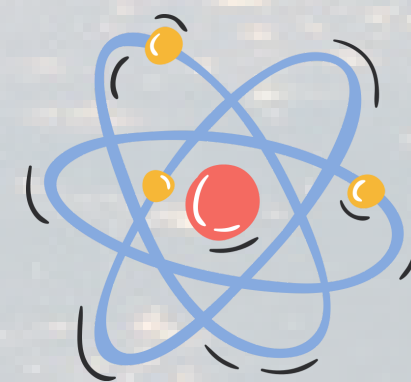




Scientists...



- 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.'