





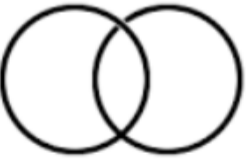



# What it takes to be a Scientist

	Ask questions	Science is all about asking <b>questions</b> and trying to find out why things happen and how things work.
	Knowledge Organiser	Knowledge and <b>key facts</b> help us to solve practical problems, develop new technologies and make informed decisions.
	Research	Recognise when research using secondary sources will help answer questions. Use a range of relevant information and data.
	Seek patterns	Recognise patterns in results, pattern seeking will help answer questions when variables cannot be controlled.
	Observe changes over time	Make careful observations about changes that happen over time or changes that occur when variables are changed. Make conclusions.
	Reason and Explain	Explain and provide an answer to your question, giving explanations.
	Group and classify	Recognise when identifying and classifying will be helpful to answer questions. Look for similarities and differences.
	Carry out fair and comparative tests	Ask questions and find different ways to answer them. Use results to set up re-tests.