

LKS2 Skills - Science

Skills	Which year and topic are they covered in
<b>Working Scientifically</b>	
asking relevant questions and using different types of scientific enquiries to answer them	
setting up simple practical enquiries, comparative and fair tests	
making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers	
gathering, recording, classifying and presenting data in a variety of ways to help in answering questions	
recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables	
reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions	
using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions	
identifying differences, similarities or changes related to simple scientific ideas and processes	
using straightforward scientific evidence to answer questions or to support their findings	
<b>Asking Questions and Carrying Out Fair and Comparative Tests</b>	
start to raise their own relevant questions about the world around them in response to a range of scientific experiences	
start to make their own decisions about the most appropriate type of scientific enquiry they might use to answer questions	
recognise when a fair test is necessary	
help decide how to set up a fair test, making decisions about what observations to make, how long to make them for and the type of simple equipment that might be used	
set up and carry out simple comparative and fair tests	
<b>Observing and Measuring Changes</b>	
make systematic and careful observations	
observe changes over time	
use a range of equipment, including thermometers and data loggers	
ask their own questions about what they observe	

where appropriate, take accurate measurements using standard units using a range of equipment	
<b>Identifying, Classifying, Recording and Presenting Data</b>	
talk about criteria for grouping, sorting and classifying	
group and classify things	
collect data from their own observations and measurements	
present data in a variety of ways to help in answering questions	
use, read and spell scientific vocabulary correctly and with confidence, using their growing word reading and spelling knowledge	
record findings using scientific language, drawings, labelled diagrams, keys, bar charts and tables	
<b>Drawing Conclusions, Noticing Patterns and Presenting Findings</b>	
draw simple conclusions from their results	
make predictions	
suggest improvements to investigations	
raise further questions which could be investigated	
first talk about, and then go on to write about, what they have found out	
report and present their results and conclusions to others in written and oral forms with increasing confidence	
<b>Using Scientific Evidence and Secondary Sources of Information</b>	
make links between their own science results and other scientific evidence	
use straightforward scientific evidence to answer questions or support their findings	
identify similarities, differences, patterns and changes relating to simple scientific ideas and processes	
recognise when and how secondary sources might help them to answer questions that cannot be answered through practical investigations	