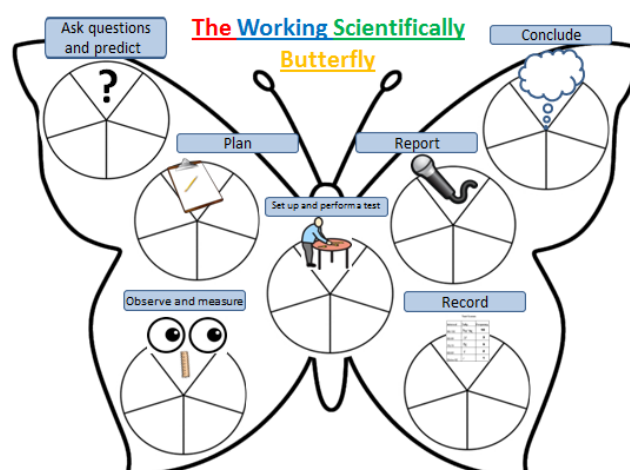


LKS2 Science Skills Ladder



Raise their own relevant questions about the world around them
Experience a range of scientific experiences including different types of science enquiries to answer questions
Start to make their own decisions about the most appropriate type of scientific enquiry they might use to answer questions
Recognise when and how secondary sources might help them to answer questions that cannot be answered through practical investigations
Set up simple practical enquiries, comparative and fair tests
Recognise when a simple fair test is necessary and help to decide how to set it up
Talk about criteria for grouping, sorting and classifying; and use simple keys
Make systematic and careful observations
Help to make decisions about what observations to make, how long to make them for and the type of simple equipment that might be used
Take accurate measurements using standard units learn how to use a range of (new) equipment, such as data loggers/ thermometers appropriately
Collect and record data from their own observations and measurements in a variety of ways: notes, bar charts and tables, standard units, drawings, labelled diagrams, keys and help to make decisions about how to analyse this data
Begin to look for naturally occurring patterns and relationships and decide what data to collect to identify them
With help, pupils should look for changes, patterns, similarities and differences in their data in order to draw simple conclusions and answer questions
Use relevant simple scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences, including oral and written explanations, displays or presentations of results and conclusions
With support, they should identify new questions arising from the data, making predictions for new values within or beyond the data they have collected and finding ways of improving what they have already done.