

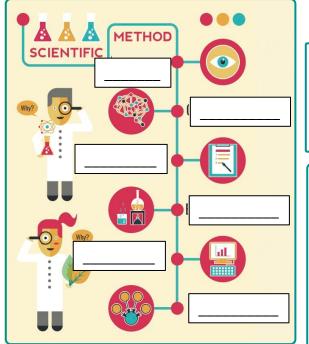
Knowledge Organiser: Scientific Enquiry

Before and After Test



Name the stages of the Scientific Method

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What can you learn from the data shown in the table?

Katie wants to know 'Which materials are the bounciest?'

Katie's method: To drop a range of balls from a certain height and then measure how high they bounce. Draw the possible variables might Katie use.

Variable 1	Variable 2	Variable 3	Variable 4	Variable 5

Katie has recorded her results in the table below. Draw a graph for the data in the table.

Type of ball	Height the ball was dropped from	Height the ball bounced
Ping pong ball	60 cms	30 cms
golf ball	60 cms	40 cms
tennis ball	60 cms	42 cms
football	60 cms	60 cms

Unit Rocket Words: Year 3 – Scientific Enquiry

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Rocket Words

scientific investigation	finding answers to questions using research methods	
prediction	explaining what you think might happen	
plausible	having a reason	
record	writing the measurement of something	
data	a set of facts or numbers used to learn about something	
method	instructions for carrying out an experiment	
control experiment	an experiment that is used to compare other experiments where there are variables	
equipment	tools or items that are needed	
enquiry	a question to find something out	
practical	the performing of a scientific experiment	
conclusion	the end result or outcome	
fair test	where one variable is changed and all other elements are kept the same	