

Science Year 1: Work like a scientist

What should we already know?

- That we can describe and compare things
- That we can explore and find out
- That it is useful to record information for ourselves and others



What will I know by the end of the unit?

- How to find out the answers to questions I have
- That I can find answers from different places (eg investigating, books, internet, observation)
- Using simple equipment eg scales, measuring tape, measuring jugs
- Recognising, naming, and identifying common animals, plants and materials
- Group items according to similarities between them
- How to gather data eg by observing and measuring
- How to record data eg in a table, using a camera, writing up an investigation, drawing and labelling a diagram
- How to perform a simple test eg fair test
- Some things float and others sink
- Some liquids make things float and sink
- Relationship between leg length and jump length
- The best way to launch a small toy as far as possible

Key skills:

- Ask simple questions and recognise they can be answered in different ways
- Observe closely using simple equipment
- Identify and classify
- Use observations and ideas to suggest answers to questions
- Gather and record data to help in answering questions
- Perform simple tests

Vocabulary:

investigate	Find out by doing
equipment	Things you use when you investigate eg tape measure
identify	Recognise something and say what it is
classify	Putting things together because something about them is the same
gather	Collect, find
observe	Look at something
record	A way to keep information eg pictures or writing it down
fair test	One thing stays the same

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Assessment

Where could we find out answers to things we want to know?	Start of unit	End of unit
Ask someone		
The internet or a book		
Finding out with an experiment		
All of these		

Which of the following are useful ways to record information?	Start of unit	End of unit
In my head		
Tell someone		
Write it down or draw a picture		

What is a fair test?	Start of unit	End of unit
Where you share		
One thing stays the same		
You let your friends join in		
You can play		

Do all heavy things sink and light things float?	Start of unit	End of unit
Yes		
No		

Can people with longer legs jump further?	Start of unit	End of unit
Yes		
No		

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