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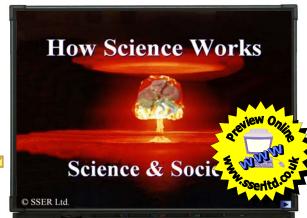


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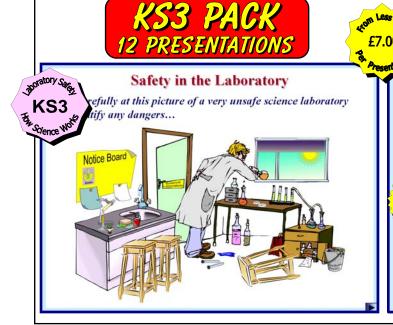


Our best selling 'How Science Works' products for KS3 & KS4 are now supplied with a site licence as



standard. The KS3 product has appropriate content for the 11-14 age range and provides a superb introduction to the Scientific Method at the secondary level. The packs help students understand the key features of the scientific method by focusing on investigations and data handling - both packs are also perfect for staff training. The subject matter, which is fundamental to science, is brought to life in an engaging way by the use of powerful imagery, animations and interactivity.

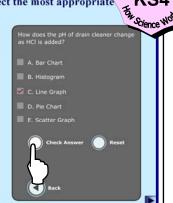
The presentations can be used with an interactive whiteboard, digital projector or on standalone or networked PCs. You only need PowerPoint 2000 or later to run, edit and personalise the original presentations. Low cost VLE licences are available for secure VLE deployment- see order form.



For each of these tables of data, select the most appropriate

Choosing Which Type of Graph to Draw of Graph

graph to use... 13.8 13.6 13.4 13.2 13.1 30 3.2 35 40 2.6 45 2.4



KS4

KS3 PACK 12 PRESENTATIONS

PROVIDING PLENTY OF INTERACTIVITY AND FEEDBACK WHICH ACTIVELY ENGAGES STUDENTS IN THEIR OWN LEARNING

Presentations in KS3 'How Science Works'	Number of Slides	
1. Laboratory Safety	27	
2. Making a Prediction	11	
3. Types of Variable (Factor)	11	
4. Conducting a Fair Test	5	
5. Naming & Drawing Apparatus	16	
6. Selecting & Using Apparatus	14	
7. Decreasing Errors & Increasing Reliability	22	
8. Presenting Data in Tables	12	
9. Presenting Data in Graphs 1	12	
10. Presenting Data in Graphs 2	13	
11. Considering Evidence & Drawing Conclusions	19	
12. Practical Investigations - An Overview	23	
KS3 Glossary (MS Word) - Colour & BW Versions supplied.		



Anomalous Results

"An anomalous result is one which appears to be inconsistent with the rest of the data – it stands out."

Anomalous results can occur for a number of reasons such as equipment malfunction or human error.

Consider the set of readings:

KS3

Science Wo

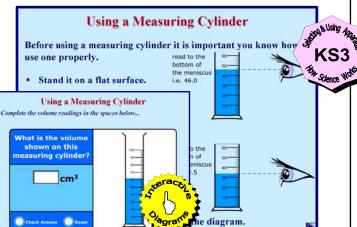
5 7

4 4

13 6 5

The 13 stands out as very different from the rest of the readings.

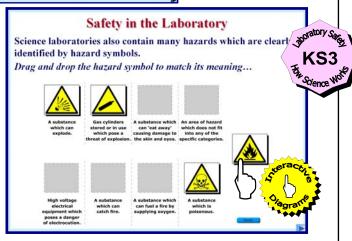
This reading should be ignored in any average calculation, as it is clearly an anomaly.

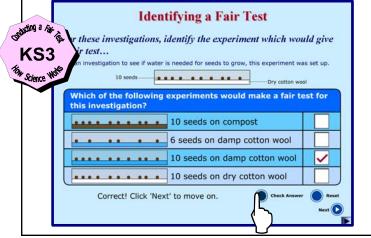


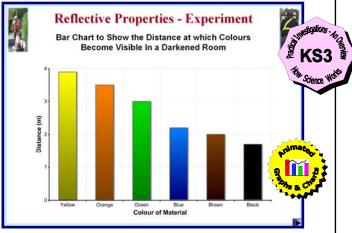
Calculating Means

canswers...

Mass of Hydrogen Carbonate Added	Volume of Oxygen Produced (mm²)			
(g)	Reading 1	Reading 2	Reading 3	Average
0	0.0	0.0	0.0	0.0
1	1.9	2.1	2.0	
2	2.0	2.4	2.2	2.2
3	2.6	2.5	2.4	
4	2.5	2.6	2.4	2.5

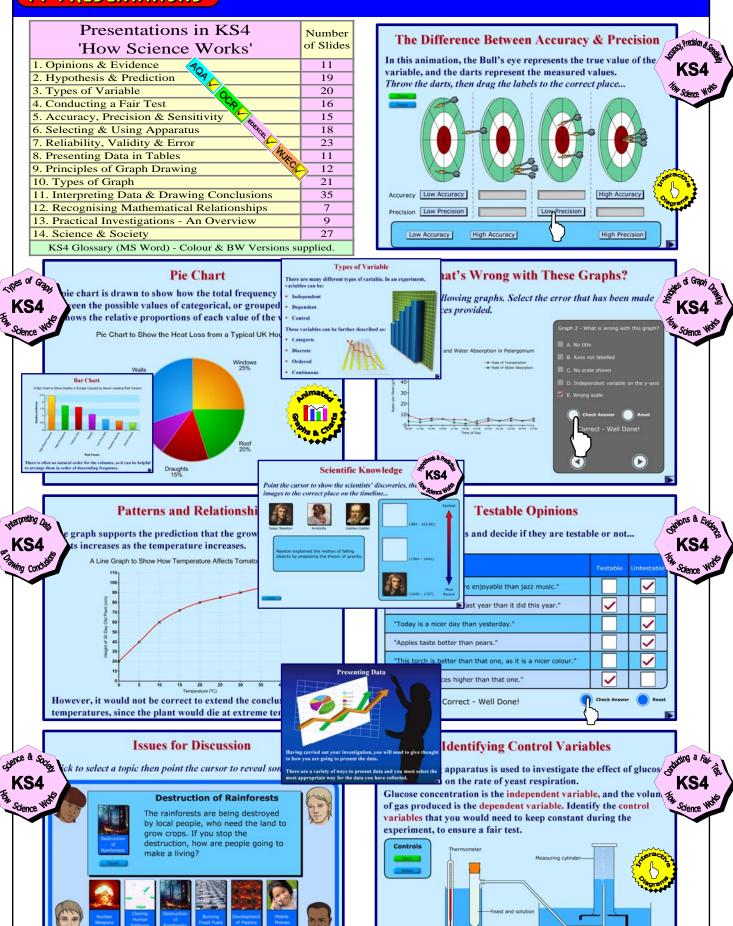






KS4 PACK 14 PRESENTATIONS

PROVIDING CLEAR EXPLANATIONS OF THE PRINCIPLES OF DESIGNING AND CONDUCTING SCIENTIFIC INVESTIGATIONS





The **Site Licence** allows you to place the presentations on an unlimited number of standalone or networked PCs on a single school site. Staff laptops (owned by the school) are also covered by the standard Site Licence. The **VLE Licence** is additional to the site licence and allows the students to access the original presentations from home (off site) via the school's secure Virtual Learning Environment (VLE).

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KS4 (14-16) How Science Works HSW4VL	HSW4ST	How Science Works - Key Stage 4 (14 Presentations and Glossary) CD ROM + Full Site Licence	£95	£111.63		
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