



















# Year 7 – Kemnal Keys

Safety in Lab		Important Science from Primary School	Science Equipment														
1	<ul style="list-style-type: none"> <li>Do not eat or drink in a science lab</li> <li>Always wash hands after an experiment</li> </ul>	<p>The heart is a muscle that pumps blood around the body.</p> <p>A healthy balanced diet, exercise and not smoking helps keep humans healthy.</p>	<table border="1"> <thead> <tr> <th>Name</th> <th>Diagram</th> </tr> </thead> <tbody> <tr> <td>Test tube</td> <td></td> </tr> <tr> <td>Boiling tube</td> <td></td> </tr> <tr> <td>Beaker</td> <td></td> </tr> <tr> <td>Conical flask (i.e. cone-shaped)</td> <td></td> </tr> <tr> <td>Round bottom flask</td> <td></td> </tr> <tr> <td>Measuring cylinder</td> <td></td> </tr> </tbody> </table>	Name	Diagram	Test tube		Boiling tube		Beaker		Conical flask (i.e. cone-shaped)		Round bottom flask		Measuring cylinder	
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2	<ul style="list-style-type: none"> <li>Long hair must be tied back</li> <li>Only use equipment and chemicals your teacher tells you to</li> </ul>	<p>Fossils help provide information on how living things have changed over time.</p> <p>Living things (plants and animals) adapt to their habitat in order to survive.</p>															
3	<ul style="list-style-type: none"> <li>Stand up to do experiments</li> <li>Always wear goggles when experimenting</li> </ul>	<p>Light travels in straight lines, which is how shadows are formed.</p> <p>Light is how we are able to see, by light reflecting off objects into our eyes.</p>															
4	<ul style="list-style-type: none"> <li>Do not point a loaded test tube at anyone, or look down it</li> <li>Never throw anything in a science lab</li> </ul>	<p>The size of voltage in an electrical circuit affects the brightness of bulbs and volume of buzzers. The higher the voltage, the brighter the bulb.</p> <p>Switches in electrical circuits stop the flow of electricity and switch off components. Like a light switch in your home.</p>															
5	<ul style="list-style-type: none"> <li>Do not run or mess about in a science lab</li> <li>If something gets broken, do not touch it, tell a teacher</li> </ul>	<p>Science methods and theories develop over time, as earlier explanations are modified and changed because of new ideas and evidence to create the science we know today.</p>															

# Quiz Time

## Week 1 Quiz - Write out and learn the 10 important Science Lab safety rules

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## Week 2 Quiz – Label the equipment diagrams

### Week 3 Quiz

Write out 1 thing new you have learnt in science, write out 1 thing you already knew from primary school and write out one of the science lab rules from memory.

### Week 4 & 5 Quiz

Repeat week 3 quiz, but write different answers.