

**NATURAL SCIENCES**  
**TERM 2: MATTER & MATERIALS**  
**GRADE 8**  
**Lesson plan 1**

<b>TOPIC: ATOMS</b>		
<b>Sub-topic:</b> Atoms - building blocks of matter	<b>Duration:</b> 90min	
<b>CONTENT &amp; CONCEPTS (CAPS p40)</b>		
<b>KEY CONCEPTS</b>		
<ol style="list-style-type: none"> <li>1. Matter</li> <li>2. Atoms</li> </ol>		
<b>Specific Aims:</b>	Specific Aim 1: 'Doing Science'	
	Specific Aim 2: 'Knowing the subject content and making connections'	<b>X</b>
	Specific Aim 3: 'Understanding the uses of Science'	
<b>Process Skills:</b> Accessing and recalling information		
<b>LESSON OBJECTIVES:</b>		
<ol style="list-style-type: none"> <li>1. Learners will be able to demonstrate understanding atoms as the smallest building blocks of matter.</li> <li>2. Learners will be to display understanding that different elements are made of different atoms.</li> </ol>		
<b>RESOURCES REQUIRED:</b>		
<ul style="list-style-type: none"> <li>• Periodic Table Poster</li> <li>• Examples of various elements</li> <li>• Textbooks: e.g. Siyavula Explore Gr. 8A</li> </ul>		
<b>Web links:</b>		
<ul style="list-style-type: none"> <li>• The Periodic Table (Live) - <a href="http://www.chemeddl.org/resources/pt8/index.html">http://www.chemeddl.org/resources/pt8/index.html</a></li> </ul>		
<b>Video links:</b>		
<ul style="list-style-type: none"> <li>• The Periodic Table (Explained) - <a href="https://youtu.be/22xwtrbUDY">https://youtu.be/22xwtrbUDY</a></li> </ul>		
<b>TEACHING &amp; LEARNING ACTIVITIES:</b>		
Revision of concept matter from previous grades using a flow diagram (refer to teachers guide).		
Introduction of an atom.		
<b>Activities:</b>		
<ol style="list-style-type: none"> <li>1. Teacher presents content of an atom as the building block of matter e.g. Siyavula Gr 8A p.120-123.</li> <li>2. Learners complete an exercise based on the concept of matter and atoms</li> </ol>		
<b>TEXTBOOK REFERENCES:</b> (Indicate textbook used and reference page numbers)		
<b>ASSESSMENT:</b>		
Informal		

# Natural Science Lesson Plan Grade 8

**Xiang Xie**



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web jabir ibn hayyan c eighth and early ninth centuries was an islamic thinker from the early medieval period to whom is ascribed authorship of a large number of alchemical practical and philosophical works

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web geber is the latinized form of the arabic name jabir it may refer to jabir ibn hayyan died c 806 816 early islamic alchemist and polymath pseudo geber name given to the anonymous authors of the 13th 14th century latin alchemical writings attributed to

*[read pure metal jābir ibn Ḥayyān article khan academy](#) - Apr 11 2023*

web perhaps the greatest of the alchemists was jābir ibn Ḥayyān a muslim persian innovator who wrote over 3 000 texts on alchemy these included a list including descriptions of all the known tools and equipment used by greek and muslim alchemists histories of the progress made by earlier alchemists