

**GRADE 9 RATIONALIZED INTEGRATED SCIENCE SCHEME OF WORK
TERM 1**

W K	L S N	Strand	Sub- strand	Lesson Learning Outcome	Learnin g Experie nces	Key Inquiry Questi on	Lear ning Reso urce s	Ass ess me nt	R e fl
1	1	Mixtures, Elements and Compounds.	Structure of the Atom.	By the end of the lesson, the learner should be able to: a) Define the term Atom. b) Describe the structure of the atom. c) Draw a circle showing the general structure of an atom. d) Acknowledge the structure of the atom.	In groups or pairs, learners are guided to: brainstorm and present the meaning of Atom. use digital or print resources to search for information on the structure of the atom. discuss the structure of the atom and illustrate its structur	How is the structure of the atom important? What are the components of an atom?	Digital devices. Charts. Learner's Book. Lesson notes.	Observation. Oral questions. Written tests. Assessment rubrics. Checklists.	

				e using a diagram.				
2	Mixtures, Elements and Compounds.	Structure of the Atom.	<p>By the end of the lesson, the learner should be able to:</p> <p>a) Differentiate between Atomic number and Mass number.</p> <p>b) Determine the mass number of the twenty elements .</p> <p>c) Prepare charts showing the mass number of the twenty elements .</p> <p>d) Enjoy determining the mass number of elements .</p>	<p>In groups or pairs, learners are guided to:</p> <p>use digital or print resources to find the meaning of Atomic and Mass number.</p> <p>discuss the difference between mass and atomic number.</p> <p>work out the mass number of the twenty elements collaboratively.</p> <p>prepare charts showing the twenty</p>	<p>What is the difference between Atomic and Mass number?</p> <p>How do we determine the mass number of elements?</p>	<p>Lesson notes.</p> <p>Learner's Textbook.</p> <p>Charts.</p> <p>Digital devices</p>	<p>Checklists.</p> <p>Written tests</p> <p>Oral questions.</p> <p>Assessment rubrics.</p>	