

SCHOOL	LEVEL	LEARNING AREA	DATE	TIME	ROLL
	GRADE 9	INTERGRATED SCIENCE			

WEEK 1: LESSON 1

Strand: Mixtures, Elements, and Compounds

Sub Strand: Structure of the Atom

Specific Learning Outcomes:

- By the end of the lesson, learners should be able to:

1. Define the term "atom."
2. Describe the structure of the atom.
3. Draw a circle showing the general structure of an atom.
4. Acknowledge the significance of the structure of the atom.

Key Inquiry Questions:

- How is the structure of the atom important?
- What are the components of an atom?

Learning Resources:

- Digital devices (tablets/laptops)
- Charts showing atomic structure
- Learner's Book
- Lesson notes

Organisation of Learning:

Introduction (5 minutes):

1. Review Previous Lesson:

- Begin with a brief recap of what was covered in the last lesson related to mixtures, elements, and compounds.
- Engage learners by asking questions about key concepts discussed previously.

2. Guide Reading and Discussion:

- Direct students to relevant sections in their Learner's Book and other resources.
- Encourage a short discussion about what they know concerning atoms, focusing on engaging the whole class with questions.

Lesson Development (30 minutes):

Step 1: Defining an Atom

- In pairs, learners will brainstorm the meaning of "atom."
- Students will use digital or print resources to research and write a concise definition.

Step 2: Exploring Atomic Structure

- Present the basic components of an atom: protons, neutrons, and electrons.
- Learners will engage in a group discussion to identify how these components contribute to the atom's overall structure.

Step 3: Diagram Illustration

- Each group will create a visual representation of an atom, showing its structure (nucleus with protons and neutrons, and surrounding electrons).
- They can use markers or digital drawing tools to make their diagrams clear and engaging.