

NAME:-----CLASS-----

**SECOND TERM E-LEARNING NOTES
JS 3 (BASIC 9)**

SUBJECT: BASIC SCIENCE

SCHEME OF WORK FOR SECOND TERM

WEEK	TOPIC
1.	Revision of first term's work
2.	Non-Living Things - Atomic Structure; Elements; Compounds; Mixtures
3.	Chemical Symbols, Formulae and Equations.
4.	Resources from Living Things; Plant resources ; Animal resources
5.	Resources from Non- Living things; Soil; Solid minerals
6.	Skill Acquisition
7.	Ethical Issues in science and Development
8.	Light Energy
9.	Magnetism
10.	Revision
11.	Examination

WEEK 1:

Activity: REVISION OF FIRST TERMS WORK

WEEK 2

DATE.....

TOPIC: ATOMIC STRUCTURE

CONTENT

1. Meaning of Atom; Concept of Electrons, Protons and Neutrons
2. Simple atomic model; Properties of atoms
3. Concept of Elements, Molecules, Compounds and Mixtures

Sub-Topic 1: Meaning of Atom; Concept of Electrons, Protons and Neutrons

MEANING OF ATOM

Matter (solid, liquid or gas) is made up of tiny particles called atoms.

An atom is the smallest particle of matter which can take part in a chemical reaction.

An English Chemist called John Dalton (1766 - 1844) put forward some statements about the atom in 1803 and 1808 which are referred to as Dalton's atomic theory. These helped to explain some observations about the structure and behavior of atoms. However with advancement in science and the contribution of more scientists like J.J Thomson in 1897, Robert Millikan in 1909-1916 and Earnest Rutherford in 1911, the...