NAME OF TEACHER: AYANDIRAN GBENGA

SUBJECT: CHEMISTRY

CLASS: SS TWO

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| WEEK | TOPIC | CONTENT | BEHAVIOURAL OBJECTIVES | PRACTICE QUESTIONS |
| 1 | CHEMICAL BONDING | Chemical bonding based on periodic properties of atoms  Atomic volume ,Ionization energy,  Electropositivity and Electronegativity | The students should be able to  a. list the factors that affect the formation of chemical bonds  b. describe the factors that determine the formation of chemical bonds | 1. List the factors that determine ionic bond formation  2. Describe how ionization energy affect bond formation  3.Differencetiate between electronegativity and electron affinity |
| 2 | Energy | Energy involved in various chemical bonding  Shapes of simple molecules  Properties and structure of solids as illustrated by ionic lattice | a. State the shapes of molecules  b. Describe the structure of solids  c. state the properties of solids | 1. Name the shapes of water, ammonia ,and methane  2. state the properties of ionic solids |
| 3 | METALLS AND THERE COMPOUND | Principles of extraction of metals  -Reduction by electrolysis  -Reduction by the use of carbon or carbon (iv) oxide  The Alkali metal sodium and its compound  The Alkali earth metals[Extraction of Calcium, Properties and compound of Calcium] | a. describe the principle of extraction  b. describe the extraction and properties of sodium  c. describe the extraction and properties of calcium | 1. Describe how you would extract sodium metal  2. List the compounds of aluminium  3. Describe the extraction of calcium from its ore |
| 4 | METALS AND THEIR COMPOUNDS | Aluminium-Extraction, properties, uses and compounds of aluminium  Tin-Extraction and uses | a. describe the extraction , properties and uses of aluminium | 1. Describe the extraction of aluminium  2. State the uses of aluminium in line with the properties |