NAME OF TEACHER: AYANDIRAN GBENGA

SUBJECT: CHEMISTRY

CLASS: SS TWO

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|  | TOPIC | CONTENT | LESSON OBJECTIVES | PRACTICE QUESTIONS |
| 1 | ELECTROLYSIS | First law of electrolysis,  Second law of electrolysis | The students should be able to  a. state the laws of electrolysis  b. solve mathematical problems | 1. State the laws of electrolysis  2. Calculate the mass of copper deposited when 0.2A was passed through copper sulphate solution for 2 hours |
| 2 | OXIDATION AND REDUCTION | Oxidation and reduction  Redox series  The use of oxidation numbers  Balancing of redox equations | a. define oxidation  b. define reduction  c. calculate oxidation numbers  d. balance redox equations | 1. Define oxidation in terms of electron transfer  2. Find the oxidation number of manganes in potassium per manganate |
| 3 | ACIDS –BASES REACTIONS | Qualitative comparison of conductance of molar solutions of strong/weak acids and bases | a. define molar solutions  b. describe strong and weak acids  c. describe strong and weak bases  d. compare the conductance of molar solutions | 1. Define a molar solution  2. Differentiate between strong and weak acids  3. Compare the conductance of strong and weak acids |
| 4 | THE RATE OF CHEMICAL REACTIONS | Factors affecting the rate of chemical reactions  Nature of substances , Concentration, Temperature, Catalyst, light,  Collision theory and reaction mechanism | a. define the rate of reactions  b. state collision theory  c. describe the factors that affect the rate of reactions | 1. Define the rate of chemical reaction  2. List the factors that affect the rate of reactions  3. State a reason why saw dust burns faster than log of wood of the same mass |