**SAMFYA SECONDARY SCHOOL**

**CHEMISTRY LESSON PLAN**

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| **GRADE**  |  **TOPIC** |  **SUB TOPIC** | **DURRATION** | **DATE** |
| 10 | Introduction to chemistry  |  What is chemistry  | \_\_\_\_min | \_\_\_\_/\_\_\_/\_\_ |

**RATIONALE**: Chemistry is the study of matter and the changes that it undergoes in different conditions. It will help learners to classifyingchemistry into its branches. Group/ pair work and demonstration will be used to execute the second lesson of five in the series.

**SPECIFIC OUTCOMES, LSBAT: -** To classify Branches of chemistry such as: Analytical,

 Biochemistry, Inorganic, Physical and Organic.

* Define chemistry with less difficulties.
* Explain what each branch of chemistry deals with.

**PRE-REQUISITE SKILLS :** learnershave knowledge in integrated science.

 **TEACHING/ LEARNING AIDS :** chemistry key point’spupils book 10.

**REFFERENCES :** chemistry 10, chemistry made clear. Certificate

 Chemistry 4th edition.

 **LESSON PROGRESSION**

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| **STAGE** | **T/L ACTIVITY** | **LEARNING POINTS** |
| **INTRO-****DUCTION****\_\_\_\_min** | Pick it up from what integrated science was all about |  |
|  **D** **E** **V** **E**  **L** **O** **P** **M** **E** **N** **T****\_\_\_\_min** |  **ACTIVITY 1** What is chemistry? **ACTIVITY 2** (discussion on the branches of chemistry)* **Analytical chemistry**- a branch of chemistry that deals with the identification of composition. Both qualitative and quantitative of substances.
* **Physical chemistry**- a branch of chemistry that deals with the study of physical principals that underlie the structure of matter and the chemical transformations.
* **Organic chemistry**- a branch of chemistry that deals with the study of most compounds of carbon such as alkanes, alkenes, alkynes, alkyl halides, aromatic compounds, alcohols, carbonyl groups, carboxylic acids, amines, polymers and derivatives of carboxylic acids.
* **Inorganic** **chemistry** - a branch of chemistry that deals with the chemistry of all the elements except carbon but includes simple compounds of carbon such as carbon dioxide and the carbonates.
* **Biochemistry** - a branch of chemistry that deals with living systems both plants and animals.
 | Chemistry is the study of matter and the changes that it undergoes in different conditions. It studs the changes which matter undergoes when subjected to different conditions of temperature, pressure and concentration. |
|  **C** **O** **N** **L**  **U** **S** **I** **O** **N****\_\_\_\_min** | HOME WORKWhat is the importance of learning chemistry | * Knowledge of chemistry helps one to understand how his/ her body works so that can take care of it.
* Enables one to make medicines
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**EVALUATION:** ……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….