OBJECTIVES: By the end of the lesson the learner should be able to;

-Recall the subjects and topics taught in primary level science

-Name the branches in science

-Define chemistry

-Explain its role in society

LESSON PRESENTATION

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| **TIME** | **CONTENT** | **LEARNING ACTIVITIES** | **RESOURCES** | **REFERENCE** |
| 5 MINUTES | **INTRODUCTION**  -Highlight some areas in chemistry which the learners have the knowledge of from the study of the primary science. | Discussion.  Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 1-2 |
| 30 MINUTES | **BODY** | Discussion | -Flowchart on | KLB |
|  | **DEVELOPMENT**  Discussion Notes taking  Explaining the role of  chemistry in society and | Notes taking Explaining the role of  chemistry in society and  careers related to chemistry | braches of chemistry  -Pictures and charts on applications and chemical processes | CHEMISTRY BK 1 Pg 1-2 |

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|  | careers related to chemistry |  |  |  |
| 5 MINUTES | **CONCLUSION**  Oral evaluation on the sub-topic | Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 1-2 |

SELF-EVALUATION:-

OBJECTIVES: By the end of the lesson the learner should be able to;

-State the three states of matter.

-State and explain the properties of matter.

-Define the terms conductor and non-conductor.

-Give examples of conductors and non-conductors.

LESSON PRESENTATION

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| **TIME** | **CONTENT** | **LEARNING ACTIVITIES** | **RESOURCES** | **REFERENCE** |
| 5 MINUTES | **INTRODUCTION**  Define matter. | Discussion.  Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 1-2 |
| 30 MINUTES | **BODY DEVELOPMENT**  Discussion Notes taking | Discussion Notes taking | Water in a beaker Balloon  Pieces of wood | KLB CHEMISTRY BK 1 Pg 1-2 |
| 5 MINUTES | **CONCLUSION**  Giving assignment on the sub-topic | Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 1-2 |

SELF-EVALUATION:-

OBJECTIVES: By the end of the lesson the learner should be able to;

-Define drug and drug abuse

-Give examples of drugs commonly abused and their effects LESSON PRESENTATION

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| **TIME** | **CONTENT** | **LEARNING ACTIVITIES** | **RESOURCES** | **REFERENCE** |
| 5 MINUTES | **INTRODUCTION**  Define drug and drug abuse. | Discussion.  Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 2 |
| 30 MINUTES | **BODY DEVELOPMENT**  -Define drug and drug abuse  -Give examples of drugs commonly abused and their effects | Question answer method Discussion  Notes taking | Chart on different types of drugs | KLB CHEMISTRY BK 1 Pg 2 |
| 5 MINUTES | **CONCLUSION**  Give a research assignment on the sub- topic. | Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 2 |

SELF-EVALUATION:-

OBJECTIVES: By the end of the lesson the learner should be able to;

-Define the term laboratory and state its functions

LESSON PRESENTATION

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| **TIME** | **CONTENT** | **LEARNING ACTIVITIES** | **RESOURCES** | **REFERENCE** |
| 5 MINUTES | **INTRODUCTION**  Take the learners to the chemistry laboratory. | Discussion.  Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 3 |
| 30 MINUTES | **BODY DEVELOPMENT**  Discussion  Demonstration of some apparatus  Notes taking | Discussion  Demonstration of some apparatus  Notes taking | Chemistry laboratory apparatus | KLB CHEMISTRY BK 1 Pg 3 |
| 5 MINUTES | **CONCLUSION**  Oral evaluation on the sub-topic. | Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 3 |

SELF-EVALUATION:-

OBJECTIVES: By the end of the lesson the learner should be able to;

-Name the parts and functions of the Bunsen burner

-Name the parts of the luminous flame

-Name the parts of a non-luminous flame LESSON PRESENTATION

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| **TIME** | **CONTENT** | **LEARNING ACTIVITIES** | **RESOURCES** | **REFERENCE** |
| 5 MINUTES | **INTRODUCTION**  Show the learners a Bunsen burner. | Discussion.  Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 3-9 |
| 30 MINUTES | **BODY** | Discussion | Bunsen burner | KLB |
|  | **DEVELOPMENT**  Discussion  Drawing parts of the | Drawing parts of the Bunsen burner  Drawing parts of | Chart showing parts of the Bunsen burner | CHEMISTRY BK 1 Pg 3-9 |
|  | Bunsen burner | luminous and non- |  |  |
|  | Drawing parts of | luminous flame |  |  |
|  | luminous and non- |  |  |  |
|  | luminous flame |  |  |  |
| 5 MINUTES | **CONCLUSION**  Giving assignment. | Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 3-9 |

SELF-EVALUATION:-

OBJECTIVES: By the end of the lesson the learner should be able to;

-Name and draw some chemistry laboratory apparatus.

-State the uses of different types of apparatus used in the chemistry laboratory. LESSON PRESENTATION

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| **TIME** | **CONTENT** | **LEARNING ACTIVITIES** | **RESOURCES** | **REFERENCE** |
| 5 MINUTES | **INTRODUCTION**  Get some apparatus from the laboratory. | Discussion.  Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 9-13 |
| 30 MINUTES | **BODY DEVELOPMENT**  -Drawing apparatus Discussion  Motes taking  Question answer method | -Drawing apparatus Discussion  Motes taking  Question answer method | Chemistry laboratory apparatus  Thermometer Glassware  Spatula Deflagrating spoon Crucible  Wire gauze | KLB CHEMISTRY BK 1 Pg 9-13 |
| 5 MINUTES | **CONCLUSION**  Giving assignment on the sub-topic. | Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 9-13 |

SELF-EVALUATION:-

OBJECTIVES: By the end of the lesson the learner should be able to;

-List at least five laboratory rules.

LESSON PRESENTATION

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| **TIME** | **CONTENT** | **LEARNING ACTIVITIES** | **RESOURCES** | **REFERENCE** |
| 5 MINUTES | **INTRODUCTION**  Ask probing questions. | Discussion.  Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 14-15 |
| 30 MINUTES | **BODY DEVELOPMENT**  Discussion Motes taking  Question answer method | Discussion Motes taking  Question answer method | -School laboratory rules  -Chart on safety rules | KLB CHEMISTRY BK 1 Pg 14-15 |
| 5 MINUTES | **CONCLUSION**  Giving assignment on the whole topic. | Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 14-15 |

SELF-EVALUATION:-

OBJECTIVES: By the end of the lesson the learner should be able to;

-List at least five laboratory rules. LESSON PRESENTATION

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| **TIME** | **CONTENT** | **LEARNING ACTIVITIES** | **RESOURCES** | **REFERENCE** |
| 5 MINUTES | **INTRODUCTION**  Ask probing questions. | Discussion.  Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 14-15 |
| 30 MINUTES | **BODY DEVELOPMENT**  Discussion Motes taking  Question answer method | Discussion Motes taking  Question answer method | -School laboratory rules  -Chart on safety rules | KLB CHEMISTRY BK 1 Pg 14-15 |
| 5 MINUTES | **CONCLUSION**  Giving assignment on the whole topic. | Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB CHEMISTRY BK 1 Pg 14-15 |

SELF-EVALUATION:-

TIME: ……….

OBJECTIVES: By the end of the lesson the learner should be able to;

-Define the term mixture

-Classify mixtures into miscible and immiscible liquids

-List several methods of separating mixtures LESSON PRESENTATION

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| **TIME** | **CONTENT** | **LEARNING ACTIVITIES** | **RESOURCES** | **REFERENCE** |
| 5 MINUTES | **INTRODUCTION**  -Define the term mixture | Discussion.  Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB BK 1 Pg 17 |
| 30 MINUTES | **BODY DEVELOPMENT**  Observation and discussion  Demonstration of separation of several mixtures | Observation and discussion  Demonstration of separation of several mixtures | Sugar/sand Water/paraffin | KLB BK 1 Pg 17 |
| 5 MINUTES | **CONCLUSION**  Oral evaluation on the sub-topic | Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB BK 1 Pg 17 |

SELF-EVALUATION:-

OBJECTIVES: By the end of the lesson the learner should be able to;

-Define the term mixture

-Classify mixtures into miscible and immiscible liquids

-List several methods of separating mixtures LESSON PRESENTATION

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| **TIME** | **CONTENT** | **LEARNING ACTIVITIES** | **RESOURCES** | **REFERENCE** |
| 5 MINUTES | **INTRODUCTION**  -Define the term mixture | Discussion.  Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB BK 1 Pg 17 |
| 30 MINUTES | **BODY DEVELOPMENT**  Observation and discussion  Demonstration of separation of several mixtures | Observation and discussion  Demonstration of separation of several mixtures | Sugar/sand Water/paraffin | KLB BK 1 Pg 17 |
| 5 MINUTES | **CONCLUSION**  Oral evaluation on the sub-topic | Questions and answers. | -Chalk board/white board.  -A piece of chalk/ marker pen. | KLB BK 1 Pg 17 |

SELF-EVALUATION:-

NAME: