**LESSON DEVELOPMENT ONE**

**CONDUCTORS AND NON CONDUCTORS**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1**  **Introduction – Introductory Activities**  **(5 minutes)** | Guides and asks the pupils to differentiate between static and current electricity. | In static electricity, electricity does move. While in current electricity, electricity from one point to another through copper wire and other conductors. | Linking the Previous knowledge to the new lesson |
| **Step 2**  **Development**  **(5 minutes)**  **Grouping** | 1. Groups the learners into four groups – A, B, C, and D.  2. Guide the learners to choose a leader and secretary for your group.  3. Gives each group learning materials – A battery, a bulb, adhesive tape, pieces of cardboard or plywood, paper clips or drawing pins, lengths of copper wire, cotton thread, a thin iron rod,… | 1. Belong to a group.  2. Choose their leader and secretary.  3. Received learning materials for their group.  Other materials – a long strip of paper, candle wax shaped into a long thin rod, a strip of aluminum foil, your science notebook, biro. | Learner’s group, leader and secretary confirmed. |
| **Step 3**  **Development – Groups Activities**  **(5 minutes)** | Guides the pupils set up the battery, bulb and copper wire so that the bulb lights.  Lets them replaced the wire with thread and asks them – Does the bulb light for each of them? | No, the bulb doesn’t light. | Activities on conductor and non conductor |
| **Step 4**  **Development - Groups Activities**  **(10 minutes)** | Asks the pupils to do the same with each of the materials you have collected, one at a time.  Does the bulb light for each of them? Tick the box if the light on or light not on. |  | Groups work |
| **Step 5**  **Development – Groups Presentation**  **(10 minutes)** | Asks each group to present their results/solutions so that you can compare responses with those in other groups. | **Presentation - Call on any member of at least two pairs in each to make presentation to the class.** | Group Presentation |
| **Step 6**  **Conclusion**  **(10 minutes)** | To conclude the lesson, the teacher revises the entire lesson and ask the key questions.  **SUMMARY**  All light on materials are called electric conductors or electric carriers. While all light not on materials are called non conductors. | The learners listen, ask and answer questions.  **KEY QUESTIONS**  What is the different between electric conductor and non conductor? | Lesson Evaluation and Conclusion |

***Reference book – Basic Science & Technology***

