**LESSON DEVELOPMENT ONE**

**ELECTRICITY AS A FORM OF ENERGY**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1**  **Introduction – Introductory Activities**  **(5 minutes)** | Asks pupils – what is energy?  Guides them state the form of energy. | Energy is the ability to do work.  Light energy, heat energy, mechanical energy, gravitational energy, electrical energy, sound energy, and so on. | 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 – chart showing form of energy and their sources. Chart showing different source of electricity. | 1. Belong to a group.  2. Choose their leader and secretary.  3. Received learning materials for their group. | Learner’s group, leader and secretary confirmed. |
| **Step 3**  **Development**  **(5 minutes)** | Guides them to discuss sources of these energy.    . | Light energy from the sun. Heat energy from the electricity stove, fire wood, etc. Mechanical energy from generator or other machines. Electrical energy from electricity. Sound energy from radio or other things that produce sound. | Sources of energy |
| **Step 4**  **Development - Groups Activities**  **(10 minutes)** | If there is no electricity, the following items will not work – television set, water heater, etc.  Guides the pupils to discuss the major source of electricity in Nigeria. | 1. Hydro electric  2. Power plant, e.g. generator  3. Solar power | Groups work |
| **Step 5**  **Development – Groups Presentation**  **(15 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**  **(5 minutes)** | To conclude the lesson, the teacher revises the entire lesson and ask the key questions.  **SUMMARY –** Electricity as form of energy carried by moving electrons in an electric conductor.  It is one of the most common and useful forms of energy. Example – Lightening. Other forms of energy are also converted to electrical energy. | The learners listen, ask and answer questions.  **KEY QUESTIONS**  1. What are the importance of electricity in our daily life?  2. Why do people use different source of electricity? | Lesson Evaluation and Conclusion |

***Reference book – Primary 5 Basic Science & Technology***