**LESSON PLAN/NOTE FOR WEEK 1 ENDING 15/09/2023**

**Term**: First.

**Week**: 1

**Date**: 12/09/2023.

**Class**: SS 2.

**Subject**: Economics.

**Topic**: Basic Tools of Economics Analysis.

**Sub-Topic:** pie chart.

**Period**: 6th.

**Time**: 11:50-12:30.

**Duration**: 40 Minutes.

**Number in class:** 8 students.

**Average Age:** 14 Years.

**Sex**: Mixed.

**Specific objectives:** By the end of the lesson, the students should be able to:

(1) Define Pie Chart.

(11) Calculate percentages and degrees of pie chart.

(111) Plot a Pie Chart.

**Rationale**: For the students to be able represents information in a pie chart.

**Previous knowledge:** The students have been drawing pie chart in mathematics.

**Instructional material:** A chart showing pie chart and the way to calculate the percentage or degree.

**Reference material:** Ande Cole Esan (2020) Essential Economics for senior secondary schools.

**LESSON DEVELOPMENT**

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| **Stages/Steps** | **Teacher's Activities** | **Students' Activities** | **Learning points.** |
| **Introduction** | Reviews the previous lesson | Participate actively in the class discussion. | To arouse the students interest to learn. |
| **Step 1** | Defines pie chart as: Pie Chart is a simple circle of any convenient size which is divided into sections , each of which is proportional to the quantity or value it represents. | Listen carefully to the teacher | For better understanding of the lesson. |
| **Step 11** | Guides the students to calculate the percentage or degree in piloting a Pie Chart. | Respond to the class activity | To encourage critical thinking. |
| **Step 111** | Leads the students to Plot a Pie Chart | Plot pie chart as led by the teacher. | To enable the students to reason logically |
| **Board Summary** | Summarizes the lesson as:  **Pie chart**  Pie chart or pie graph is a simple circle of any convenient size which is divided into sections or sectors, each of which is proportional to the quantity or value it represents. It it measure either in percentage or degrees with the aid of a mathematical device called protractor. The circle is represented by 360° or 100%. Example:  Represent the information below in a pie chart. The value of the most important export of Nigeria in 1980, both in percentage and in degrees.   |  |  | | --- | --- | | **Export product** | **Value in Million #** | | Cocoa | 200 | | Groundnut | 140 | | Petroleum | 240 | | Coal | 50 | | Others | 90 |   Solution  Add up the total value of the products 200+140+240+50+90=720   |  |  |  |  | | --- | --- | --- | --- | | **Export product** | **Value in Million** | **Percentage**  **%** | **Degree (0°)** | | Cocoa | 200 | 200/720×100=27.8% | 200/720×360=100° | | Groundnut | 140 | 140/720×100=19.5% | 140/720×360=70° | | Petroleum | 240 | 240/720×100=33.3% | 240/720×360=120° | | Coal | 50 | 50/720×100=6.9% | 50/720×360=25° | | Others | 90 | 90/720×100=12.5% | 90/720×360=45° | |  | 720 | 100% | 360° |   Using the values in degree or percentage to draw a Pie Chart with the aid of protractor. | Copy and submit the note book for marking. | For future reference. |
| **Evaluation** | Evaluates the students as:  (1) Define pie chart  (2) From the monthly budget of an industry worker, it was found that the family spent #360 on food, #108 on clothing, #90 on housing, #24 on comfort, #12 on education and entertainment and #6 on miscellaneous items. Construct a pie chart. | Respond to the questions. | Ascertaining the attainment of the stated objectives. |
| **Conclusion** | Rounds up the lesson by marking and correcting students work. | Check and do their correction. | Consolidation of the lesson. |
| **Assignment** | Gives home work as:  (1) Sectoral allocation of a country's budget: Health 30m, education 25m, Housing 15m, manufacturing 10m, Agriculture 20m . Calculate the percentage and degrees and plot it in a pie chart. | Respond by doing the home work at home. | To ensure continuity of learning. |

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**15th September, 2023**

**DEPUTY HEAD INSTRUCTOR ADMIN**

**NB: Approved!**