


 **Subject: Computer Studies**

 **Class: JSS1**

 **Term: First Term**

 **Week 5**

 **Topic: Data and Information**

Lesson Objectives

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

1. Define **data** and **information**.
 2. Identify sources and examples of data and information.
 3. Explain the **qualities of good information**.
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Introduction

In the world of computers and everyday life, we deal with a lot of facts, numbers, and messages. These can be either **data** or **information** depending on their form and usefulness.

1. Meaning of Data and Information

- **Data:**

Data is a collection of raw facts and figures that have **not** yet been processed.

Examples:

- 92, James, 2025-07-24, Abuja, 1.73
- Test scores: 65, 78, 90

- **Information:**

Information is **processed, organized, and meaningful data**. It is useful for making decisions.

Examples:

- *James scored 92 marks in his exam.*

- *The meeting is scheduled for 24th July 2025 in Abuja.*

✖ Difference:

Data (Raw)	Information (Processed)
08012345678	This is James' phone number
50, 60, 70	These are Toyin's math scores
"Lagos", "23", "Rain"	It rained in Lagos on the 23rd

🌐 2. Sources and Examples of Data and Information

Sources of Data:

- People (e.g. names, age, address)
- Surveys and Questionnaires
- Sensors and Machines (e.g. temperature, speed)
- Computers and Internet
- Books, newspapers, and reports

Examples of Data:

- "Ojo", "12", "SS1", "B+"

Examples of Information:

- "Ojo is a 12-year-old SS1 student with blood group B+"
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★ 3. Qualities of Good Information

For information to be useful and meaningful, it must have the following qualities:

Quality	Explanation
Accurate	Correct and free from errors.
Comprehensive	Complete and detailed enough for the purpose.
Meaningful	Understandable and makes sense.

Quality	Explanation
Relevant	Related to the subject or need.
Timely	Available at the right time.
Suitable	Appropriate for the user or situation.

📌 Example:

For a teacher to prepare a test:

- “Class list with scores from last week” = **Good Information** (Timely, Accurate)
- “List from another school last year” = **Not useful** (Not Timely or Relevant)