

## The Effect of Inadequate Human and Material Resources in Teaching and Learning of Computer Studies in Junior Secondary Schools in Orumba South L.G.A

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### **Abstract**

*Computer studies is a must know subject from primary to tertiary institutions of higher learning. There is need to have the basic equipments and personnel that will assist in the acquisition of this important subject. Three research questions guided the study. Mean is used to analyze the data with an acceptable point of 3.05 as agreed and less than 3.05 as not accepted. Among the major findings is that it is important to provide equipment and personnel for the teaching and learning of computer studies. In conclusion every nation grows with knowledge in technology therefore computer studies if not properly treated will hinder the acquisition of knowledge.*

### **Introduction**

Computer studies is the in- thing in the world for the purpose of acquiring knowledge in Information Technology (IT) (Umendu 2010). Computer studies will sound abstract to the learner when there is no facilitator (man/material) available for effective teaching and learning processes. Some of these inherent problems might be that either there is materials for teaching and learning that is availability of computers, textbooks and other LT. equipments, then the personnel to pass the knowledge onto the learner will not be there or the personnel is available but no material available.

In either case, effective teaching and learning is not achieved. Every country in the world is growing technologically through information Technology (IT). Acquisition of knowledge is enhance in I.T. through the study of computer courses.

Many schools will pretend to have computer system in their offices but it is not functional and out of use. Some will have a set of computer, but will be covered inside the principals' office due to no power to power the system. Most of the systems available will not have software to drive the system unit.

Most schools in Orumba South lack competent computer. Hence, computers when supplied remain packed and uninstalled. Based on the above issues it is imperative to know the effect of inadequate man/material resources in the study of computer.

### **Purpose of the Study**

The purpose of the study is as follows:

1. To find out the effect of lack of inadequate materials for teaching/learning of computer
2. To find out the effect of lack of man power in the field of computer studies
3. To suggest remedying factors for solving the inherent problems.

### Research Question

The following research questions guided the study:

1. To what extent are the availability of computer systems and other LT. equipment to the study of computer for effective teaching and learning?
2. How adequate are the man power available for the teaching and learning of computer studies?
3. What are the remedying factors that will assist in reducing the problems of these inadequacies?

### Population of the Study

The population of the study comprised of all the junior secondary schools in Orumba South Local Government Area of Anambra State.

### Sample and Sampling Techniques:

The sample of the study consisted of 30 junior secondary school students, which were randomly selected from each of the schools in Orumba South Local Government Area of Anambra State, using simple random sampling. We will note here that any school that their junior secondary school is not up to 30, all the students are used.

**Table One:** The schools used are as follows:-

| S/N | NAME OF SCHOOL USED               | NO. OF STUDENTS TAKEN |
|-----|-----------------------------------|-----------------------|
| 1   | Community Secondary School Umunze | 30                    |
| 2   | All Saints Secondary School       | 30                    |
| 3   | Technical Secondary School Umunze | 30                    |
| 4   | Community Secondary School Umunze | 30                    |
| 5   | Victory High School Ezira         | 30                    |

|    |                                      |            |
|----|--------------------------------------|------------|
| 6  | Basdem Secondary School Isulo        | 30         |
| 7  | New Bethel Secondary School Isulo    | 30         |
| 8  | Boys Secondary School Ogbunka        | 30         |
| 9  | Girls Secondary School Ogbunka       | 30         |
| 10 | Boys Secondary School Owere-Ezukala  | 30         |
| 11 | Girls Secondary School Owere-Ezukala | 30         |
|    | <b>Total</b>                         | <b>330</b> |

### Method of Data Analysis

Data was analyzed, by use of simple mean. To make any decision about the responses; any item with a mean score of 3.05 and above is taken as accepted while item with a mean score of less than 3.05 are rejected.

### Findings/Results

Research Question one: To what extent are the availability of computer systems and other LT. equipment to the study of computer for effective teaching and learning.

**Table Two:** Students response on the extent of the availability of computer system and other IT equipment to the study of computer

| S/N | ITEMS   | SA  | A  | UN | D   | SD  | $\bar{X}$ | REMARK   |
|-----|---|-----|----|----|-----|-----|-----------|----------|
| 1   | Our school is supplied with computers                                     | 30  | 40 | 50 | 100 | 110 | 2.33      | Rejected |
| 2   | There are multimedia projectors and white board for computer practical    | 10  | 20 | 80 | 100 | 120 | 1.49      | Rejected |
| 3   | The computers in our lab have not been booted once due to no power source | 120 | 80 | 60 | 40  | 30  | 3.67      | Accepted |
| 4   | The only available computer we have is in the principal's office          | 100 | 80 | 50 | 50  | 50  | 3.39      | Accepted |

From table 2 above items 1 and 2, with scores of 2.33 and 1.49 respectively were rejected. This shows that there is no supply of computers in the schools, there are no multimedia, white board for practical. Items 3 and 4 with mean scores of 3.67 and 3.39 were accepted that means, that the computers in the lab has not been booted due to lack of power source again the only available computer is in the principal's office.

**Research Question two:** How adequate are the manpower available for the teaching and learning of computer studies. Table Three: The mean response of students on the adequacy of man power available for the teaching and learning of computer

| S/N | ITEMS   | SA  | A   | UN | D  | SD | $\bar{X}$ | REMARK   |
|-----|---|-----|-----|----|----|----|-----------|----------|
| 5   | The only computer teacher we have is NCE graduate   | 120 | 100 | 40 | 30 | 40 | 3.69      | Accepted |
| 6   | The teachers we have do not have time for teaching computer   | 110 | 80  | 70 | 40 | 30 | 3.61      | Accepted |
| 7   | The teachers do not teach with computers due to the fact that they are not competent with the machine | 100 | 90  | 80 | 30 | 30 | 3.61      | Accepted |
| 8   | We do not have enough science teachers talk less of dedicating one to teach computer                  | 110 | 100 | 60 | 30 | 30 | 3.70      | Accepted |

From table three, items 5,6,7,8 with scores of 3.69, 3.61, 3.61 and 3.70 respectively were accepted. This shows that the only qualified teacher is holding NCE certificate, the teachers do not have time for teaching computer, and the teachers do not indulge in practical class with the students by making use of the computer. There is not enough science teacher talk less of dedicating one to teach computer.

**Research Question three:** What are the remedying factors that will assist in reducing the problems of these inadequacies? Table four. The mean score of students suggesting some remedying factors that will assist in reducing the problems of these inadequacies.

| S/N | ITEMS  | SA  | A   | UN | D  | SD | $\bar{X}$ | REMARK   |
|-----|--|-----|-----|----|----|----|-----------|----------|
| 5   | More computers and IT- related equipment should be supplied to equip the computer lab                                    | 120 | 90  | 50 | 40 | 30 | 3.69      | Accepted |
| 6   | There should be a power source for powering the systems.   | 100 | 100 | 70 | 30 | 30 | 3.64      | Accepted |
| 7   | Government should employ more qualified computer teachers that are competent and committed for the job                   | 110 | 100 | 50 | 40 | 30 | 3.67      | Accepted |
| 8   | The teachers should always emphasize on the use of the computer while teaching a situation of more practical involvement | 130 | 90  | 70 | 30 | 10 | 3.91      | Accepted |

From table four above, items 9, 10, 11, 12 with mean scores of 3.69, 3.64, 3.67 and 3.91 respectively were all accepted which indicates that more computers and related IT equipment should be supplied to equip the computer lab. There should be a power source for powering the systems. Government should employ more qualified computer teachers that are competent and committed for the job. The teachers should always emphasize on the use of the computer while teaching, a situation of more practical involvement.

### Discussion of the Findings

The Computer is absolutely necessary in all facet of life for proper development in technology and other wise. Most schools more especially in junior secondary school will not be in line in acquiring the knowledge from scratch if they don't have the machine to learn with. According to Ormerod and Duckworth (1975), Bitleh and Zakhariades (1975) students should be geared towards the development of skills of inquiry, fostering attitude and developing basic concepts. They should be allowed to explore and discover things for themselves so that they could find the experience both satisfying and enjoyable. If the equipment for teaching and learning is not there, the students will definitely lose interest on whatever story you will be telling them, because they will believe you when they see what you are talking about, according to the adage "seeing is believing"

A child's attitude towards a subject is directly proportional to the type of teacher teaching the subject. If a teacher is not qualified to teach a subject, the students on the other hand will not be qualified with what they learn.

Teachers that are not qualified to teach a subject are probably engaged to fill difficult expertise vacancies. Computer studies is not a subject of storytelling but serious commitment towards a permanent knowledge acquisition. It is believed that a teacher should be well informed before going to teach students in any subject, otherwise the students will not pay attention and significant learning will not take place.

There is an increase in the interest of the learner when what he/she is learning is being observed live. Students can easily remember what they see than what they hear. So for an increase in knowledge acquisition, there is need for practice. There are basic methods for introducing new skills to the teaching for developing understanding and for getting people to accept new and better ways of doing things (Okorie 1986 in Akuneme 2005). Newsbury (1996) also sees it as being suitable for purpose of introduction and emphasizing important aspects prior to the real experimental work. He emphasized further that "demonstration serves as an essential purpose for early stage in the subject". So availability of equipment will enhance in improving acquisition of knowledge.

### **Implication of the Study**

The implication of this study is that lack of equipment, man and material resources in teaching computer studies will positively affect the students' performance in future.

### **Recommendations**

The following recommendations are hereby made based on the findings of the research:

- I. For proper knowledge acquisition, computer and other I.T related equipments should be provided for, as far as learning of computer is concerned.
- II. Qualified computer teachers should be employed for effective teaching and learning to take place.
- III. Teachers should be involved more in practical lessons than theory.

### **Conclusion**

From the findings, the researcher concludes that availability of computers and other related IT equipments will enhance the teaching and learning of computer studies. Moreover, employing qualified computer teachers who are competent and dedicated to more practical classes will increase the interest of the students in learning the computer.

### **References**

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