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TEACHERS UTILIZATION AND STUDENTS ACADEMIC PERFORMANCE IN CROSS RIVER STATE PRIVATE/PUBLIC SECONDARY SCHOOLS

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ABSTRACT

This study investigated manpower utilization and student academic performance in public secondary schools in Cross River State. The population of 2100 teachers was used for the study out of which 600 feachers constituted the sample through stratified random sampling technique. The mean and standard deviation were used to answer the research questions willle the Pearson product moment correlation was used to test the hypotheses. The result showed that appropriate subjects pleasurent of teachers has directed influence on student's academic performance; when there are a reduction in teachers workload and class size these is the tendency for the students to perform better. Above all teachers record high task accomplishment when appropriately placed. It was recommended that additional qualified teachers be simplifyed. There should be a redistribution of teachers to the area of need. Teachers should be appropriately placed in their teaching subject for this has capacity to get the schools back the track effectiveness.

Introduction

Background to the study

The level and development of any country is to a large extent dependent on the quantum of trained and competent manpower available for the proper production and management of her resources. The day to day running of school organization is also dependent on trained manpower. Today's modern growth is predicated on technology and especially now that the world is interacting into a global system. This attempt is geared towards creating a global village. It makes the productions of technical and vocational teachers a condition necessary to shot the nations into the lead of socio-economic development through appropriate manpower development and functional curriculum. Human resource which accumulates physical capital, exploit natural resources and build socio-political structure vital to mational development constitutes the ultimate basic for the wealth of nations this makes utilization of trained manpower relevant in order to attain desire productivity in any organization.

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Manpower therefore is an essential factor in the production process and the entire nation economy. This explains why developing countries focus interest on manpower planning. The quest for manpower could be traced to Ashby plan which was to increase supply of enrolment ratio of technical and vocational teachers, at least six teachers to one professional engineer. It becomes necessary that developed and developing nations cannot ignore manpower trained and utilization in order to participate in globalization since it is geared toward integrating regional economic boundaries into a global system.

This position suggests, that no organization can exist without resources to enable it carry out its stated objectives, some of the resources that have been identified include capital, land, labor as well as the entrepreneur. Entrepreneur and labour constitutes the residual in human capital, while land and capital material forms of resources. The emphasis here the residual contribution is capable to make or mar organization effectiveness.

categories are produced both for socio-economic and national development. The Nigerian Government in her bid to ensure an expensional development that gone further to disclose areas that are

educationally advantage or less developed. This discloses was the their disposal.

et and less teaching statish secondary schools in Cross River State forms the educational provision. For years now, the issue of qualified and compare position in arts, acienos technical and vocational subjects in secondary ad almost becoming a perennial problem in our numerous educational establish n educational institutions of dearning at is even worse off with the inverse relative demands and supply.

Statement of problem

One of the researcher was privileged to supervise undergraduates teaching grace with the second of the second state of the second state of the second se investigator to make further to ascertain what could be responsible. The level of teacher used are wrongly placed in terms of their leaching relevance. Others were over used and under situations suggested that some form of wastage in manpower utilization and its place the concern of the researcher to empirically investigate manpower utilization and its place. in student's academic performance.

Purpose of the study is to assess staff utilization and its influence on institutional effectiveness from student performance in Cross Fiver State Secondary Schools Specifically, the purpose I include: research cussions.

1. A do determine how subjects relevante of teachers with student academic performance.

The regularism follows of the least state of the control of the cont

The study covered all the States Government owned secondary schools in Cross River State South

Private secondary schools were not included in the study. In and Cross Piver North educational zones. Private secondary schools were not included in the study. In terms of content, the study covers leaching staff utilization and its impact on institutional effectiveness. In teums of geographical the study was carried carried Study St

Valid Male

The following research questions guided the study.

1. Explain a subject's relevance relate to student academic performance?
2. Explain one stacker class size relate to student academic performance?

3. Section of the student academic performance?

1. Explain one student academic performance?

Hypotheses alysis data presented above indicate. Student's performance rate 32.59 percent. The extent of telacher placement appropriates were lessed at 0.05 least distinguishes arabicative public related heir figld. The Teacher's Subjects viele valice obes not significantly relate to student alcohomic portor hance. metricient of . Teacher's classesize aces vior significantly residente actions performance on student scadergic penermance si words words the transmission of the property of the pr crospects of domaway their apadementicy Percent

Method of data analysis
search eligible of the study comprised 2100 teachers from where 600 hundred teachers them where 600 hundred teachers them. as sample size through a ratified landon sampling technique in performance?

Data for this study were general actioning at 44 monts of period to the content and section. DENTORMANCE IN NECO To Senior Secondary Schools Examination \$508 2003 for all the second in Coles Tive State in English Language and Mathematic school year. The result of the analysis sed contains

The student performance in NECO was equally weighted on the 9 points scale was A1 Spoints, B2 8points, C3 7points 64/6points, C5 5points, C6 4points, D7/396ints, E8points, F921points, Tetal envolument was weighed on nine points. The performance over total weighted performance over total weighted and times one Ottundred over the other times one Ottundred over the other times one Ottundred over the other times one of the other times of the other follows, using the specification below as a model. National/Pality on Education secommends class size of 1.40 and the Cross River State recommends 24 teaching periods per teacher, per week.

For class size:

30 957 to - 92 f

Grand Service Ser.

Appropriate Class Size is 4-40 and is soored 3 leas appropriate class range from 41-50 is acc inappropriate class range from 51 and above and scored 1 for workload:

Appropriate workload is 7-24 and is scored 3 lets workload range 25-30 period per week, per teac the administration for years now, remaining the decimal armount of a second and a decimal second the state of

Responsible worklandsange from 31 and above periods per week, per teacher and is scored 1

For plantamental de the off the allegations of the control of the

Appropriete placement of treatment the autient qualified in it stored 3 less apprepriete placement. If teach sin the same subject family is accred 2. When suno was in table in the in ::30

Inappropriate placement: if teaching the subject not in the same family is scored 1.

"Mote: subject femily includes Arts, Egience: Social Spiegoe, and Vocational and Technical subjects. A four point scale was used to show the influence on teaching electropiess.

equestions while the Pearson product moment correlation was used to test the hypotheses as appropriate.

Delegation 6: Fundado THE THING IS WOO

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6 The research guestions and hypothesis posed at the beginning of this study are addressed nere. The research questions are first addressed, then the hypotheses.

There is the characteristic distribution of research respondent preceding the discussion

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secon of collection of respondents by location and process and second and sec

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Table 5: Frequency distribution of respondents by amperionate submitted abnotates major

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Table 4 above showed that respondent with first degree the frequency of 361 closely-deficited by

master degrate with the draguency of 1.99 was a relating of a minimise of 20ha ...

Table 5 showed that most of the respondent has 5-9 years of experience with the frequency of 393 closely followed by 10 years and above with the frequency of 435. Then a 4 years and leath less than 2 years.

no backlow vertices. Answer to research questions.

The relationship between placement of teachers relate to student academic performance?

The relationship between placement of teachers and the academic performance of student was first examined. This was achieve by relating the placement of teachers in terms of the relationship to the teaching lob assignment to the academic performance of students in NECO examination. The result of the analysis is presented in Table 6

Table 6: Hean standard deviation and r-coefficient of the relationship of teacher placement on student's academic performance

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The analysis data-presented above indicate. Students performance rate 32.56 percent. The extent of teacher plantagest apprepriatent/section (200) which indicates the plantagest apprepriatent/section of academic performance of student is indicated by the coefficient of 200. This indicates a positive reliability of appropriate teacher sign plantages are appropriate teacher sign plantages that the state of prospects of doing well in their academics.

Research question II

Enlaged State of March 1

How does teacher's class size relate to student academic performance?

The relationship between of teachers class size and student acquiring definitions was also examine, this was achieve by relating the teachers class size to the agademic perfermence examine. National Examination Council NECO in 2002/2003 school year. The result of the analysis is presented in Table 7

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Student Vis	58	32.58	₩12.83	.0.91	
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Teacher Teacher	59	157.8	701.48		
COLUMN PROPERTY	ailing che build	asi ciriango na is	SCORNED 1855	& Openipri	

The arraysis presented above showed student's performance rate of 32.58. The extent of teacher's appropriateness in class size is 157.5 which means reachers are greatly over loaded with high class size. This analysis further showed a very possible contactor at 0.5 carridence interval. This reflect a positive relationship of teachers class size on student account performance. It to lowed that student are likely to do well if the class size of teachers are mande, more than the class size of teachers are mande, more than the class size of teachers are mande.

Rescorch autousen III

15.

To what extent does reachers workload relates to student acatemagneromical co.

The interior of academic performance was also determined by antaling teacher's workfoad to student's academic performance in NECO examination. This result of the English to presented in table 8.

Table 8: Mean standard deviation and r-coefficient of the relationship of teacher workload on

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Hypothesis

Total Subject's placehiteft of teachers does not significantly visite to student standardid. Sevians and

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Table 4) The top stock and the state of the

							Percent
SMalid	Correlation	Variables	3.0	SD	3.0 ▶	2-falled 0	THE RESU
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Hypothesis one HD

The result of the test addressing test addressing the hypothesis is presented in table 9.

Table 9 The r-coefficient of .05 which is the level of relationship between of appropriate teacher's placement and student academic performance was subject to test of significance. The result in table (21) showed a two tail significance value of 0.7u10. This significance is by far higher than the 5% at which the researcher is

prepared relationship between teacher's placement and academic performance of student. The hypothesis is therefore net rejected as the researcher (Failed to reject it) and contrade as said.

Teacher's class size does not significantly relate to students acaid The result of the test addressing the hypothesis was presented in table 21.

Table 10 : Test of significant influence of teacher's class size on student ad

***	and the state of the state of	6.0	40,365.1	S. 1. 180.		4 9	. 3.3-	
S/N	Correlation Variables	N	Means	SD	r- coefficient	2-failed sig.	remark	•
1.	Student Performance Rate	58	32.58	12.83	0.91	.50	Sig.	_
2.	Teachers Placement	59	157.31	.701	144		_	

The above table 10 shows an r-coefficient of .50 is higher than the r-coefficient of .05 which the researcher is prepared to reject or accept the null hypothesis thus significance influence of teachers high class size on students academic performance therefore teachers are merely over loaded in their class size. The research therefore talled to reject the null hypothesis.

Hypothesis 3

Teachers workload does not significant influence student academic performance.

Table 11: Test of significant influence of teacher's workload on student academic performance.

S/N	Correlation Variables		Mark F	SD	r	2-failed	remark
	,1219	N	Means		coefficient	sig.	
1.	Student Performance Rate	58	32.58	12.83	.054	.68	sig
2.	Teachers Placement	60.	2.18	.42	mi off or	1,000	1

The result of the test addressing this hypothesis is presented in table 11. The r-coefficient of .05 which is the level of influence of appropriate workload on student academic performance was subjected to test significance, it revealed a significant value that the research is prepared to reject or accept the null hypothesis. This means that there is no significant influence of teacher's workload on student academic performance. The researcher therefore failed to reject the null hypothesis and conclude that there is a significant difference between teachers appropriate placed and those in appropriately place in their teaching task accomplishment.

Summary of findings

- Appropriate teachers subject placement has direct relationship with student academic performance;
- Small class size has positive direct relation with student's academic performance
- A reduction in teacher's workload has direct influence on student academic performance. The lesser workload the in creased in student performance.
- Teachers with relevant subject placement recode high task accomplishment in terms of academic performance achievement in schools.

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Discussion, conclusion and recommendations. Discussion of finding

Research questions one, and hypothesis one:

The study found that appropriate job assignment has direct relationship with student academic performance. This findings is in league with the views of (Ajayi, 2004), (Akpolure 2002) and (Okebukola 2004) who argued vehemently that teachers task accomplishment is determine by the nature of his placement in terms of subjects relevance. It was again argued by the Nigerian Education Development Council that as part of the rule in providing a foundation level support and sustainable of education is the fact that teachers in schools should be placed as appropriate. One of the enterns of such position is the lack teachers in most schools in the state and worse still is the fact that Government Education reforms of 2004 under Duke's led administration drifted the away of (NGE) teachers to the primary schools, the secondary subjects relevance which influence students performance negatively.

Branch question 2 and hypothesis 2

In this research question and hypothesis it was found that teacher's class size has direct positive relationship with students academic performance. The finding is related to the opinion of the students 2004) and (Micha 2004) who at various times shared the views that class size is directly responsible for what happen in school at the end of day. The study as confirms that findings of the American Educational Research Association who discovered that small class sizes have made significant strides in California Wisconsin and elsewhere in recent years. It was concluded that class size reduction programme should reduce class size by hiring additional 100,000 new qualified teachers. The finding is also in agreement with Ternessee's (2005) longitudinal class size study on student's achievement which support smaller class size and its impact on student learning. It was also a matter of concern for the Clinton's administration to lower class size in school in USA Before he teft government house.

Research question 3 and hypothesis 3

The finding is this research question and hypothesis showed that a reduction in teacher workload will lead to positive influence on students.

Teacher class size and workload should be moderate in order to stimulate the learners attention and for ease in individualizing instruction.

Government and other proprietor of schools should made available electronics gadgets to assist

heachers in handling large classed id the classroom reduction is not feasible in face of large enrolment.

Additional qualified and competent teachers who have interest in teaching be employed to reserves the trend of inverse relationship between teacher demand and supply in schools.

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References

- Agabi, C.O (1997). Wastage in manpower utilization. Abstract thesis of Education University of Port-Harcourt.
- Agabi, O.G (2002). Finance and Economic of Public Education. Port-Harcourt, ICES.
- Ajayi, K. (2004). The role government in established foundation level for support and sustainability of education in Nigeria; being a lead paper presented at 2004 Annual Conference of (NAEAP). University of Jos.
- Bur, P. (1992). "The base for human Resources Development and Utilization Policy for Nigeria" in Yahaya,

 A. D. and Akinleye C.L. (ed) Human Resources Development and Utilization policies and issues.

 Ibadan, Spectrum Books Limited for Ascon.
- Cooloids F. & Postlewait, T.V (1989). Teaching and learning conditions in developing countries in P. Colloid (ed) the prospect for Educational Planning: A workshop Organized UNESCO HEP p. 134-147.
- Enachwo, J.O. (1990). Economics of education and the planning challenge. India; Amol Publication.
- Enachwo, J.O (2000). Education futurology praxis problems and the way forward. Inaugural Lecture Series No. 27. Port Harcourt: University of Port-Harcourt press.
- Enukoha, O.I (2004). Human resource development: A case for a reexamination of teacher's education programmes in Nigeria. A lead paper presented at curriculum conference in Nigeria (CON) University of Uyo.
- Eze, A (1983) Economics of education. The Nigeria Experience. Owerri, New Africa Publishing Company.
- Man MA 92004). Challenges of curriculum implementation, Key note address presented at the 19th cultivation erganization of Nigeria CON.
- Report 100 (2004) Access and equity in the deregulated education system in Nigeria. Being a lead