

PRINCIPALS' PERCEIVED ADMINISTRATIVE STRATEGIES FOR ENHANCING TEACHERS' ASSESSMENT SKILLS IN SECONDARY SCHOOLS IN ENUGU STATE

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Abstract

This study investigated principals' perceived administrative strategies for enhancing teachers' assessment skills in secondary schools in Enugu State. Two research questions and two hypotheses guided the study. The descriptive survey design was used. The population of the study was 361 principals. Through stratified random sampling, 196 principals were sampled from the 6 education zones in Enugu State. The sample consisted of 173 and 23 principals of public and private schools respectively. A researcher-made structured questionnaire titled 'Principals Administrative Strategies for Enhancing Teachers Assessment Skills Questionnaire' (PASETASQ) was used to collect data. The validity of the instrument was established by experts in the faculty of Education, Enugu State University of Science and Technology using Cronbach Alpha statistics which gave coefficients of .79 and .82 for A and B clusters. Frequency counts and percentages were used to answer the research question. Stated hypotheses were tested with t-test statistics. The result indicated many administrative strategies that can be used to enhance teachers' assessment skills such as assisting teachers' professional development and growth, periodic and regular supervision of teachers and disciplining truant teacher. Findings revealed that the principals' implementation of the administrative strategies was low. Based on the result, it was recommended that principals create opportunities for teachers' professional development and growth by organizing regular in-service training on student's assessment to enhance teachers' assessment skills in cognitive, psychomotor and effective domains of knowledge. Principals should upgrade and implement the administrative strategies to enhance teacher's assessment skills.

Keywords: Principals, Administration, Strategies, Teachers, Assessment, Skills.

Introduction

Children are sent to school is to acquire knowledge, skills, attitudes and values that will make them attain their potentials and meaningfully help the society to progress. The function of school in imparting knowledge and bringing about desirable behavioural change in the student is not complete without checking how far the goals have been achieved. The National Policy in Education (2014) stipulated that continuous assessment of students should be the basis of educational assessment. School assessment is an essential tool in measuring how students have achieved educational goals.

McMillan (2015) defined assessment as a means of determining the extent “learners” cognitive, psychomotor and effective domains are developed. It is also viewed as a means of knowing the extent of students' knowledge and change in behaviour. School assessment provides essential information about students' progress and helps to structure their learning. According to Anyakoha (2009), assessment serves the purpose of diagnosing learners' needs so that instruction can be tailored to meet those needs. Assessment can identify learners' strengths and weaknesses to enable them to learn better. Learners' progress can be monitored and the source of learning difficulties identified. Assessment helps to determine whether specific objectives have been accomplished and secures sufficient information about students for effective guidance since evaluation is supposed to facilitate growth and improve development among students. In this way, it provides feedback on how well learners are doing and satisfies the anxiety about their achievements and sense of security. Through assessment, the effectiveness of instructional technologies and strategies are known and so assessment provides a basis for necessary modifications or improvement of any or all aspects of a given programme. Asuru and Ogidi (2011) assert that assessment is a veritable tool that enables the teacher to modify his teaching strategies so that learners would benefit from the education process. Ukwuije and Orluwene (2016) believe that assessment helps the teacher to determine entry behaviour, sets objectives, determines efficacy, motivates learners, helps them to develop desirable study habits, serves as a source of feedback to parents and other stakeholders and informs educational planning and policy.

The different kinds of assessments include tests, written essays objectives, written or oral examination, group or individual projects, mid-term tests, construction, building, demonstration, take home assignments, attitudes and values. To effectively implement classroom assessment, the teacher must be vast and knowledgeable in classroom management which according to Ani (2018), refers to a variety of skills adopted by the teacher to make the learner achieve the goals of education. Teachers are expected to exhibit such assessment skills and characteristics as:

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The different kinds of assessments include tests, written essays objectives, written or oral examination, group or individual projects, mid-term tests, construction, building, demonstration, take home assignments, attitudes and values. To effectively implement classroom assessment, the teacher must be vast and knowledgeable in classroom management which according to Ani (2018), refers to a variety of skills adopted by the teacher to make the learner achieve the goals of education. Teachers are expected to exhibit such assessment skills and characteristics as:

- aligning assessment with educational goals.
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- assessing in a variety of ways that give students an opportunity to demonstrate understanding (cognitive, psychomotor and affective).
- giving assessment that is fair and equitable and help to students aspire for better performance.
- keeping of adequate records of data for feedback.
- using information from assessment for diagnostic purposes and shaping teaching.
- being familiar with the instrument to be used and ensuring that all materials are ready.
- knowing the type of judgment to be made and establishing the rules for assigning a value to individuals being judged. This requires skills in test construction, designing of tests blue print, relevance of marking schemes.

Effective exhibition of the above assessment skills and characteristics is influenced and determined by such elements as teachers' salary structure, and allowances, teachers minimum or maximum teaching loads, teacher-pupils ratio, supervisory and disciplinary arrangements, availability of resources, school culture and tone. All these elements determine teachers' efficiency in conducting assessment (Ogoamaka, 2009). According to Okonkwo (2013), a principal who has consistent high expectations and is ambitious for the success of the students will tackle all barriers to ensure adequate supply of human and material resources for the school. Though the provision of the resources may not all be within the powers of the principal, the principal can still do a lot by partnering with parents and philanthropists, including government to provide enough quality staff and facilities to support students' learning (Edem & Bassey 2011). Teachers are the greatest assets of the schools. They facilitate implementation of educational policies through executing the teaching assignment and helping students to learn. Without them, school objectives, school infrastructure and curriculum programmes will have no effect on students. Just as a teacher may be highly dutiful without being highly competent, a teacher may be highly competent without being dutiful. What is desirable is having teachers who are both dutiful and highly competent. The extent of achieving this could be influenced by the administrative strategies adopted by the school principal. Administration is imperative in any organization including the school if the organizational aims are to be attained.

Peretemode, cited in Igwebuikwe (2019), describe administration as the utilization of human and material resources through cooperative efforts to actualize specified goals. It is an act of developing people and working with them objectively towards achieving results. Administration is said to be effective when school goals are achieved. The extent to which the goals are achieved is determined by adequate students' assessment. Students' achievement enables teachers to diagnose students' learning difficulties in order to increase learning potentials. This becomes possible where teachers who are

dutiful and competent exhibit quality assessment skills in their classroom interactions. Teachers could be competent and dutiful when they are motivated for better assessment through assisting them to develop professionally, working tirelessly to ensure their remunerations are paid and at when due, creating a healthy and attractive school environment. These are administrative strategies that act as motivating factors that can stimulate teachers' effectiveness and commitment to duty. This assertion gives credence to Asiegbu's (2014) observation that a conducive school environment where teachers are given opportunity for professional development is teacher friendly, and has the magical powers of boosting staff morale and enhancing their dedication to work.

Ogunboyede (2012) observed that teachers' capacity knowledge, skills and preparedness for implementing assessment is low. Teachers lack skills in test development and scoring, and are subjective in the award of marks. They are faced with inadequate financial resources, ill-equipped laboratories and workshops, poor implementation of assessment because teachers handle large classes, and the neglect of assessing affective and psychomotor domain. Asuru and Ogidi (2014) noted that assessment devoid of the three domains of knowledge is not complete. To ensure that teachers improve their assessment skills. Eziuzo (2011) opined that teachers should be subjected to periodic supervision to identify their areas of weakness and be guided aright.

Since, educational administration is an essential process concerned with planning, organizing, directing and controlling activities of an institution by utilizing human and material resources towards the implementation of the educational curriculum, Ekundayo (2010), affirmed that there is need to enhance efficiency of teachers in this regard through effective school administration. Principals should adopt administrative strategies that will enhance the efficiency of teachers' assessment skills for quality education. Although the indispensability of administrative strategies in enhancing teacher's assessment skills is widely acknowledged, there may be variations in the perception of strategies and extent of implementation among principals in public and private schools. These speculations are not backed up by research evidence. As such, there is the need to ascertain principal's perceived administrative strategies for enhancing teacher's assessment skills and the extent of implementation of the perceived strategies. Hence, this study investigated principals' perceived administrative strategies for enhancing teachers' assessment skills in schools in Enugu State. The study;

- i. identified administrative strategies perceived by principals as enhancing teachers' assessment skills in secondary schools in Enugu State.
- ii. ascertained the extent to which principals implement the administrative strategies in enhancing teachers' assessment skills.

Distilled from these objectives, two research questions and two null hypotheses guided the study.

Research Questions

1. What administrative strategies are perceived by principals as enhancing teachers' assessment skills in secondary schools in Enugu State?
2. To what extent do principals implement administrative strategies to enhance teachers' assessment skills?

Research Hypotheses

- i. Perceived administrative strategies for enhancing teachers' assessment skills by principals in public and private schools do not significantly differ.
- ii. The extent of implementation of administrative strategies for enhancing teachers' assessment skills by principals in public and private schools do not significantly differ.

Methods

Descriptive survey research design was used for this study. Using stratified random technique, 196 principals were sampled from the 361 principals in the six education zones in Enugu State. Stratified sample technique using ratio of 1:8 to determine the number of the two groups of respondents from the zones gave 23 and 179 principals from private and public schools respectively. Random sampling was used to pick individual respondents in each group. A self designed questionnaire tagged "Principals' Administrative Strategies in Enhancing Teachers' Assessment Skills Questionnaire (PASETASQ) was used to collect data. The instrument, made up of sections A & B collected data on principals' demography and the research objectives respectively. Section B comprised two clusters. Cluster A consists of 13 items on principals' perceived administrative strategies while cluster B consists of 13 items on the extent of implementing administrative strategies in enhancing teachers' assessment skills. The validity of the instrument was established by professionals in the departments of Educational Administration, Measurement and Evaluation, Enugu State University of Science and Technology. The reliability co-efficient of .79 and .82 were obtained for clusters A and B respectively using Cronbach alpha. The researchers, assisted by three research assistants administered 202 copies of the questionnaire. One hundred and ninety-six (196) copies (representing 97%) were retrieved. Frequency counts and percentages were used to answer the research questions while t-test statistics was used to test the hypotheses. at 0.05 level of significance.

Result

Table 1: Public and Private School Principals' Perceived Administrative Strategies for Enhancing Teachers' Administrative Skills

S/N	ITEM STATEMENTS	PUBLIC SCHOOL PRINCIPALS (173)					PRIVATE SCHOOL PRINCIPALS (23)				
		AGREE		DISAGREE		DE CISI ON	AGREE		DISAG REE		DECI SION
		F	%	F	%		F	%	F	%	
1	Assist teachers' professional development and growth for the improvement of assessment skills	166	96	7	4	A	18	78	5	22	A
2	Supervision of teachers attitude to duties and commitment to work with regards to assessment	170	98	3	2	A	23	100	0	0	A
3	Creating a healthy and attractive classroom school environment that is conducive to work and students' assessment.	109	63	64	37	A	13	57	10	43	A
4	Provision of adequate facilities and instructional materials for assessment, projects and examinations.	96	56	77	44	A	12	52	11	48	A
5	Provide forum for analysis and assessment of tests, home assignments, projects and examination.	133	77	40	23	A	16	70	7	30	A
6	Advocate for employment or posting of adequate teachers to avoid large class size.	120	69	53	31	A	12	52	11	48	A
7	Use of computer for assessment	89	51	84	49	A	15	65	8	35	A
8	Introducing teachers to reliable and usable assessment tools.	92	53	81	47	A	12	52	11	48	A
9	Visit classrooms to monitor, assess and evaluate assessment exercises.	115	66	58	34	A	17	74	6	26	A
10	Constituting assessment committee	123	70	50	30	A	13	57	10	43	A
11	Having effective communication system	159	92	14	80	A	19	8	4	17	A
12	Motivation of teachers for better assessment performance	141	81	32	19	A	20	87	3	13	A
13	Discipline of teachers	153	88	20	12	A	19	83	4	17	A

Table 1 indicated high frequency and high percent for all the 13 items. Items 1, 2, 11, 12 and 13 have the highest scores of 96%, 98%, 92%, 81% and 88% for principals in public schools, and 79%, 100%, 83%, 87% and 83% for principals in private schools respectively. The respondents have the perception that assisting teachers' for professional development, supervision of teachers attitude to duty and commitment to **highly quality assessments, effective communication**, teachers motivation and disciplining teachers are administrative strategies that make teachers more effective and efficient in the performance of assessment tasks. All the items scored above 50% showing that both the public and private school principals accepted all items as administrative strategies for enhancing teacher's assessment skills.

Table 2: t-test Analysis of Public and Private School Principals on Administrative Strategies for Enhancing Teachers' Assessment Skills.

Group	N	Mean	SD	df	t	Sig	Remark
Principals in Public schools	173	2.95	0.72	194	0.98	.637	NS
Principals in Private schools	23	3.03	0.66				

Table 2 indicates a p-value of .637 which is greater than 0.05 level of significance. This however implies that the hypothesis of no significant difference was not rejected. Therefore there is no significant difference between the mean responses of public and private school principals on perceived administrative strategies for enhancing teacher's assessment skills

Table 3: Responses of Public and Private School Principals on Extent of Implementing Administrative Strategies for Enhancing Teachers' Assessment Skills in Enugu State

S/N	ITEM STATEMENTS	PUBLIC SCHOOL PRINCIPALS (173)				DE CISI ON	PRIVATE SCHOOL PRINCIPALS (23)				
		AGREE		DISAGR EE			AGREE		DISAG REE		
		F	%	F	%		F	%	F	%	
1	Assist teachers' professional development and growth for the improvement of assessment skills	125	72	48	28	HE	17	74	06	26	HE
2	Supervision of teachers attitude to duties and commitment to work with regards to assessment	163	94	10	6	LE	22	96	1	4	LE
3	Creating a healthy and attractive classroom school environment that is conducive to work and students' assessment.	44	25	129	75	LE	11	48	12	52	LE
4	Provision of adequate facilities and instructional materials for assessment, projects and examinations.	78	45	95	55	LE	8	35	15	65	LE
5	Provide forum for analysis and assessment of tests, home assignments, projects and examination.	81	47	92	53	LE	9	39	14	61	LE
6	Advocate for employment or posting of adequate teachers to avoid large class size.	157	91	16	09	HE	18	78	5	22	HE
7	Use of computer for assessment	0	0	173	100	LE	03	13	20	87	LE
8	Introducing teachers to reliable and usable assessment tools.	49	28	124	72	LE	4	17	19	83	LE
9	Visit classrooms to monitor, assess and evaluate assessment exercises.	77	45	96	55	LE	7	30	16	70	LE
10	Constituting assessment committee	14	2	19	98	LE	2	9	21	91	LE
11	Having effective communication system	130	75	43	25	HE	19	83	4	17	HE
12	Motivation of teachers for better assessment performance	83	48	43	52	LE	8	35	15	65	LE
13	Discipline of teachers	146	84	90	16	HE	20	87	3	13	HE

Table 3 shows that acceptance for implementation scored as low as 0%, 2%, 3%, 4%, 5%, 7%, 8%, 11% apart from items 1, 2, 6 & 13 which have high frequency levels and percentage scores for public and private school principals. While non-implementation scored as high as 100%, 98%, 91%, 87%, 83%, 75%, 72%, 71% for public and private school principals. The high percent non-implementation scores and low percent implementation scores for majority of the items by public and private school principals indicate low level of implementation of majority of the administrative strategies for enhancing teachers' assessment skills.

Table 4: t-test Analysis of Public and Private School Principals Responses on Extent of Implementing Administrative Strategies for Enhancing Teachers' Assessment Skills in Enugu State

Group	N	Mean	SD	df	t	Sig	Remark
Principals in Public schools	173	3.38	0.75	194	1.02	.707	NS
Principals in Private schools	23	2.27	0.67				

The above table indicated a P-value of .707 which is greater than 0.05 level of significance. This shows that the hypothesis of no significant difference was accepted. Therefore there is no significant difference between the mean responses of public and private principals on the extent of implementing administrative strategies for enhancing teacher's assessment skills.

Discussion

Analysis of Research Question 1 shows that all 13 items were perceived by the respondents as administrative strategies needed for enhancing teachers' assessment skills. These strategies include creating a conducive classroom environment, engaging students in assignments, projects and homework, motivation, monitoring discipline and supervision. It also includes advocacy for adequate number of teachers to avoid large class size, provision of adequate facilities, instructional materials and creating opportunities for teachers' professional development and growth. Findings from the study give support to Ogunboyede (2012) who asserted that the strategies are pertinent in enhancing teachers' assessment skills because some of the teachers are poor in classroom assessment. Creating opportunities for teachers' professional growth and improved assessment skills through seminars, workshops and conferences will create an avenue for improving the competence of teachers who are not adequately prepared for classroom assessments. This is in line with Asuru and Ogidi (2014) who noted that teachers in Nigerian schools need to be knowledgeable about an assessment that ensures that students' affective and psychomotor domains of knowledge are regularly assessed as it is done in cognitive domains, thereby aligning assessment to education goals.

In line with the findings on supervision, monitoring and setting up of assessment committee, Eziuzo (2011) asserted that periodic supervision evaluates, records the consistency of strengths and weakness of teachers, in the quantity and quality of assessment and how these are marked and scored. This gives the principal insight into the state of teaching and learning in various classes, thereby making provisions for improvement which could be in the form of quality educational resources. Ndem and Bassey (2011) opined that quality educational resources not only make teachers carry out assessment in different ways, but also ensure students are assessed on what they were taught. This is supported by Okonkwo (2013) who noted that equitable distribution of subjects to teachers or acquisition of enough teachers ensures that certain assessment practices are carried out which hitherto were impracticable because of large class sizes. When teachers work in well-equipped classrooms with good air quality and rich natural lighting, their level of motivation and stability on the job increases, including student's assessment (Asiegbu2014).

The result of the study also indicates disciplining teachers as an important administrative strategy that enhances teachers' assessment skills. This corroborates Asuru and Ogidi's (2011) finding that school heads who take disciplinary action against teachers that fail in their duties or are guilty of professional misconduct such as laziness, frequent absenteeism, lateness, setting of simple tests to record high percentage passes or being subjective in the award of marks, makes such teachers to be serious with their responsibilities. The findings on Table 2 reveal that there is no significant difference between the ratings of the responses of principals in public and private schools.

From the findings of data collected for Research Question 2 on Table 3, all the 13 items with the exception of items 1, 2, 6, and 13 have percentage scores below 50%, indicating that the extent to which principals implement the administrative strategies for enhancing teachers' assessment skill is low. It implies that the principals implement only the administrative strategies of assisting teacher's development, advocating for employment of more teachers, having effective communication and supervision of teachers because they enhance teachers' efficiency and effectiveness especially when principals supervise them. This finding however, negates Eziuzor's (2011) observation that supervision in school receives mere lip-service as school principals engage more in tasks that are often times irrelevant to instructional improvement. The results also indicated that frequency with which principals' implement the administrative strategies have very low percentages, while the extent to which principals do not implement the strategies have high percentages. This implies that a good number of principals in the two strata implement the administrative strategies to a low extent. When the administrative strategies are not adequately implemented, teachers' efficiency in assessment tasks are impaired and this affect quality education. Also, the findings on Table 4 show no significant difference between the ratings of the responses of principals in public and private schools.

Conclusion and Recommendations

The result of the study show principals' perceived administrative strategies for enhancing teachers' assessment skills. The strategies include creating opportunities for teachers' professional development and growth, periodic monitoring and supervision of teachers and disciplining of truant teachers. It is believed these strategies will make the teachers more focused and meticulous in the assessment of students. It will equally help improve teachers that lack competence inadequate classroom assessment. The findings on the extent principals implement these administrative strategies reveal a low extent.

Recommendations

1. Principals should create opportunities for teachers' professional growth and development by organizing regular in-service training on student's assessment to enhance their assessment skills on cognitive, psychomotor and effective domains of knowledge.
2. Principals should always monitor and supervise the teachers to detect their weaknesses in conducting quality assessment and make provision for improvement.
3. Principals should upgrade and implement administrative strategies to enhance teachers' assessment skills.

REFERENCES

- Ani, C. I. (2018, August 20). Managing the class for effective learner-centered instruction. In B. C. Nnchetam (Chair), *Integrating Active Learner-Centered Educational Components into Enugu State Schools' Curriculum and Instruction* [Workshop]. Educators and School Managers Workshop; Development Education Centre (DEC), Independence Layout Enugu, Enugu State
- Anyakoha, E. U. (2009). Promoting the evaluation of instruction in home economics education. In O. C. Nwana (ed.), *Educational management and evaluation* (58-66). Ark publishers.
- Asiegbu, E. C. (2014). School plant management. In, G. O. Unachukwu & P. N. Akorji (eds), *Educational management: A skill building approach* (134-141). Rex Charles and Patricks Ltd.
- Asuru, V. A. & Ogidi, R. C. (2011). Evaluation of awareness of implementation of best practices in assessment in secondary school in Port Harcourt metropolis. *Journal of Educational Assessment in Africa*, 6, 49-61
- Asuru, V. A. & Ogidi, R. C. (2014). Strategies for enhancing teachers capacity in assessment for improving the quality of education. The Rivers State experience.

- In. A. O. U. Onuka (ed.), *Analyzing educational issues in honour of Emeritus professor Pai Obanya*. SPARE.
- Ekundayo, H. T. (2010). Administering secondary managing education for national transformation schools in Nigeria for quality output in the 21st century: The principals' challenge. *European Journal of Educational Studies*, 2(3), 40-46.
- Eziuzo, G. O. (2011). Secondary school administration and supervision. In A. O. U. Onuka (ed.), *Educational management: A skill building approach*. Rex Charles and Patricks Ltd.
- Federal Republic of Nigeria (2014). National policy on education and major reforms and innovations introduced into Nigerian Education System. NERDC.
- Igwebuike, F. K. (2019). *Resources adequacy and utilization for effective administration of mission secondary schools, South-East, Nigeria*. [Unpublished doctoral dissertation] Michael Okpara University of Agriculture, Umudike.
- McMillan, J. H. (2015). Classroom assessment. *International Encyclopedia of the Social and Behavioural Sciences*. (2nd edition)..
- Ndem, N. U. & Bassey, S. W. (2011). The new primary school teachers and the challenges of assessment in the 9-3-4 system of education, *Nigerian Journal of Curriculum Studies*, 8(2), 20-3.
- Ogoamaka, P. M. C. (2009). Teacher effectiveness as assessed by students. In O. C Nwana (ed.), *Educational Measurement and Evaluation*. Ark publishers
- Ogunboyede, O. M. (2012). Improving assessment of learning outcomes as a means of curbing examination malpractice in Nigeria. In O. Nwafor, C. Mordi & N. Nwaka (eds.), *Examination Malpractice in Nigeria*, West and Solomon publishing Coy ltd.
- Okonkwo, S. C. (2013). Validity of continuous assessment in Nigerian secondary schools: A preliminary investigations. *African Journal of Information Technology*, 6 (2), 253-261
- Ukwuije, R. P. I. & Orluwene, G. W. (2016). Trends and issues in educational measurement and evaluation. In O. C. Nwana (ed.), *Educational management and evaluation*. Ark Publishers.