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Deplome in Adult Education

# THE UNIVERSITY OF ZAMBIA CENTRE FOR CONTINUING EDUCATION DEPARTMENT OF ADULT EDUCATION

AN EVALUATION OF INSTRUCTIONAL AND
LEARNING MATERIALS IN PRIMARY SCHOOLS. THE
CASE STUDY OF CHADIZA SCHOOLS

A Report in Partial Fulfillment of the Requirements for The Award of a Diploma in Adult Education at the University of Zambia

Ву

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1993/94

# DEDICATION

To my mother and father, who started it all by giving me life. May their souls rest in peace. To my wife Ireen and our beloved children Masuayo, Misozi, Esnart, Memory, Setrida and Doreen for the inspiration and encouragement. Finally, to God almighty, the fountain of all goodness, for giving me chance to study at this university.

#### INTRODUCTION

The aim of education is to promote literacy in an individual.

The educational reforms of 1977, clearly stated that the education to be given to Zambians would:

Promote their development that will effect continued satisfactory adjustment to an individual's life at each stage of his/her development (educ. Reforms 1977:5).

In order to achieve this, it is the duty of the educational institutions concerned and the government of the day, to see to it that necessary instructional materials are provided to enable the educators carry out their work effectively. This, however is not the case in Zambia now judging from the outcry from the people in the country, especially parents of school going children, that the education which is given to their children is far much below the required standard. Many parents have complained that, even after having spent seven years of primary education, some children cannot read and write and easily relapse into illiteracy.

Looking at the initial aims of primary education in Zambia, according to the education reforms of 1977,

Primary school education should be preparatory for further learning and for most parents, sights are set on the selection for secondary school grades (8-12).

But this is not the case in Zambia today as most primary schools have declined instead of developing.

According to Kelly (1991:45).

Many schools have been allowed to deteriorate to the extent that major capital expenditure is now required to rehabilitate them.

Of late primary schools, according to the outcry in the country,

do not have sufficient instructional and learning materials like, text books, teachers hand books, chalk, exercise books, rulers, mannila papers, radios, T.v. etc. This has in a way made teachers to improvise where they can or just let nature take its toll.

This research re-evaluated the availability of instructional and learning materials in primary schools of Chadiza district.

#### CHAPTER I

# Statement of the Problem

Many Zambians today talk about the falling of educational standards. in primary schools. Many parents anticipate that this has come about due to lack of instructional and learning materials like teachers hand books, pupils text books, exercise books, rulers, supplimentary readers of instructional and learning materials which he said:

raises the quality of learning activities and bbosts student achievement.

The educational reforms of (1977:5) had recommended among other things the provision of the right kind of:

environment and opportunities for learning to promote the development of an individual.

The provision of the right kind of environment, meant that government was going to provide all the necessary materials in primary schools to enable educators and learners boost educational standards.

It was viewed like the ones mentioned above which had prompted the researcher to evaluate the type of instructional and learning materials currently in use in our primary schools, especially those of Chadina district. Many people anticipated that primary schools were the most important schools as they serve as bases of education. Once a child lacks good foundational base, then it is difficult for such a child to progress further in education.

# Purpose of Study

This study evaluated the instructional and learning materials currently used in primary schools of Chadiza district. The study

#### tried to:

- 1. Determine whether instructional and learning materials were used in all subjects being offered.
- 2. Determine whother teachers had an access to teaching materials.
- 3. Determine whether teachers did improvise instructional materials in the absence of the recommended ones.
- 4. Determine whether pupils had an access to text books, rulers, exercise books etc. during the process of learning.

#### Objectives of the Study

In order to come up with dependable data and solutions to the problem under study, the researcher had the following objectives:

- 1. to investigate whether teachers had an access to instructional materials in schools.
- i. to investigate whether pupils had an access to learning materials.
- in instructional materials.
- 4. to determine whether headmasters ordered the recommended instructional and learning materials for their schools.
- 5. to determine whether resource centres were functioning in primary schools.

#### Relevance of Study

This ofully was relevant as it may bring to light whether the government and the ministry of education in particular, is implementing its policies to the full, regarding provision of both instructional and learning materials in primary schools.

### Assumptions of Study

It was assumed that primary school teachers lacked instructional and learning materials. Many schools, it was believed did not have the above mentioned materials to assist them in carrying out their duties effectively. This, it was assumed was due to school administrators who did not order the right instructional and learning materials. Sometimes, it was further assumed, materials concerned were just banked in offices by headmasters, who did not allow teachers and pupils to use them.

#### Limitation of Study

This study was limited to Chadiza district because of the following reasons:

- 1. There wasn't enough time to visit all the primary schools in the country and even Chadiza district due to limited time that had been given to carry out this research.
- 2. The research had not been adequately funded and hence the researcher could not manage to visit all the primary schools in the district.

#### Definition of Terms

- 1. Abstract : Thought of, as a quality rather than an object or fact; not real or solid.
- 2. Me are anticipating trouble whom the factory opens again.
- 3. Seteriorate: To cause to, become worse: his deteriorating health.
- 4. Insatiable: Something that cannot be satisfied: an insatiable love for music, you cannot be hungry again, you e you are insatiable.
- 5. Relapse: To fall back (into evil or illness) after improvement. A return to a former and worse state especially of health after an improvement. Here it means relapsing into illiteracy.
- 6. Resource Centre: A place within a school, where teachers meet to share and discuss new skills, techniques etc.
- 7. Surrogate: A person, acting for another, such as a priest or judge (a person or thing) acting or used in place of another; substitute: A surrogate material etc.

All the above meanings were got from the Longman Dictionary of Contemporary English, 1978 edition.

#### CHAPTER IT

#### LITERATURE REVIEW

If educators are to effectively carry out their work and give avality education to their students, then there is need for them to have instructional materials in all subjects. (Snelson 1970: 142) says "the content and method of teaching in all subjects should be adapted to local conditions. Special attention should be given to the preparation of suitable text books and study of the educational use of vernaculars". He further states that education should see to it that it renders the individual, "more efficient in his/her condition of life, whatever it may be and to promote the advancement of the community as a whole".

materials are available to both the teacher and the learners. This seems not to be the case in Zambia now, hence the outcry from many parents. Mwanakatwe (1971:71) says, "parental interest in the education of their children is considerable, their children's thirst for education is insatiable, factors which have increased popular demand for more and better education".

Kelly, (1991:105) points out the importance of instructional materials when he says, "the greater availability and use of instructional materials raises the quality of learning activities and boosts student achievement. In Sambia the availability of text books has declined steadily, the availability of writing materials is not assured and most school administrators agree that the situation is worse now than in the past".

By instructional materials, it is meant all materials necessary in imparting knowledge to the pupils e.g. radios, TV, cinema, libraries. And talking about libraries, Kelly says, "the presence and active use of a school library boosts reading achievement. Libraries are almost non-existent in Zambian primary schools".

Radio and other instructional media Kelly insists efficiently raise students achievement. But the question at issue is that radios, TV which were given to schools years back are no longer in use. Although Zambia has educational broadcasts, students do not listen to them as the radios are not there.

Classroom blocks are also part of instructional materials. But some schools have not been painted since they were built. The floors are in tatters and as a result do not inspire the students. Coombs and Lauras points out that, "better physical facilities motivate students to learn. The information we have received from observation, discussion and reading leaves us in no doubt that most primary and secondary schools in Zambia are in a state of physical decay".

Most teachers are not retrained once they have completed their initial training. This has made many teachers to be outdated.

Kelly says, "in service teacher training programmes will raise the quality of instruction, leading to higher student achievement.

So if students are to get the best education from our schools and be able to contribute constructively in the development of

their nation, good quality education must be afforded them and this can only come about if our primary schools, which are the bases of education, are provided with the right and effective instructional materials which will help in sharpening their educational base.

In the book, "Teaching and Media" (pp. 120) emphasis was made on the importance of having a variety of instructional materials.

This is what was said:

The variety of conditions you may provide when reaching students to name is infinite. As an identifying, students learn to name these referents at three levels: actual, surrogate (representational) and abstract (verba).

It was further said in the same book that:

Ctudents learn to name such referents as geometric solids, colours of objects, or the process of condensation. All of these referents can actually be brought into classroom. Lometimes it is either impossible or inconvenient to bring real objects or events into classroom or to bring the learners to them. Surrogate objects, events, or characteristics may be employed in such instances.

as it can be seen from the above explanation, instructional materials are very essential to an educator. For it is clearly known that when learners identify they are always afforded with two stimuli namely:

- 1. A name or symbol
- The object (event or characteristic to which name symbol refers.

In the book, "The role of Media in instructional setting", (pp: 204) mention has been made on the importance of having many instructional materials. This is what it says:

The abundance of resources and the free access to them probably contribute more to independent study by individuals than any other factor.

According to the latest book, "Focus on learning," (1992: 31) blame has been heaped on the government of the day. This is what was said:

From the look of things, it seems as if the government of the day is not putting much effort to redress the situation in primary schools. Much attention is given to institutions of high learning, especially the universities.

Until the governments of this country realise the essentiality of primary education as the "main base" of education, where good foundation is ought to be concentrated, Zambia will not produce the much needed trained manpower, to man its government and industries. Much money will continue to go out to pay the expatriates.

The only remedy then, is to provide the necessary educational instructional materials to enable primary schools lay a firm educational standards. This can only be done through training teachers providing all the needed instructional and learning materials. A review team set in 1992, to look into problems of education in Tambia said:

The vitality and equality of an education system are revealed very plainly by relative abundance of books, writing materials and educational aids of all kinds, while the virtual absence of such items bespeaks real educational impoverishment. Focus on learning (1992: 31).

#### CHAPTER THREE

# METHODULOGY

### 3.1 Lopulation

The population for this study was taken from all the primary schools in Chadiza district. The teachers and Headmasters were part and parcel of the whole population.

# 3.2 Sample Population

The sample population comprised of 15 headmasters and 68 teachers. Together 83 respondents were administered with questionnaires and interviewed. The respondents were randomly chosen using cards bearing yes and no. A pick a lot mechnism was used.

# 3.3 Data Collection

The researcher used a structured questionnaire and interviews to obtain information from teachers and headmasters. Further information was got from analysis of the type of instructional and learning materials each school had.

The findings were presented and responses from two types of questionnaires were compiled and analysed through descriptive statistics. The data was analysed manually.

#### CHAPTER FOUR

# DISCUSSION OF THE RESULTS OF FINDINGS FROM HEADMASTERS OF PRIMARY SCHOOLS OF CHADIZA

TABLE 4:1 Sex of respondents:

SEX	FRECUENCE	PERCENTAGE
Male	15	100.0
Female	0	0.0
TOTAL	15	100.0

TABLE 4:2 Academic Qualification

ACADEMIC QUALIFICATION	FREQUENCE	PERCENTAGE
Grade 9/Form III	2	13.3
Grade 12	13 el/ esters is	86.7
TOTAL	15	100.0

86% of the Headmasters were of grade 12 qualifications. Only 13.3% had form II qualifications. This entails that with grade 12, Headmasters, many schools in the district can produce better results if given the required instructional materials.

TABLE 4:3 Professional Qualification

FROF. QUALIFICATION	FREQUENCE	PERCENTAGE
Z.F.C.	10	66.7
A.F.C.	5	33•3
TOTAL 15 He discust and	15	100.0

66.7% of the Headmasters have the Zambia Primary course and 33.3% have Advanced Primary course certificates. This shows that all the Headmasters are conversant with the primary course and can produce better results.

TABLE 4.4 Ordering of materials in a year.

ORDERS BY	FREQUENCE	PERCENTAGE
Headmaster	5	33•3
Inspector	10	66.7
TOTAL	15	100.0

66.7% of the Headmasters do not order books as this work has been withdrawn from them. Instead all orders for primary schools are done by the D.E.O's office. 33.3% and these are Headmasters whose schools are near the Boma said they do order books. This shows the reason why materials are not there in schools.

TABLE 4.5 Checking of teacher's preparation books.

	The state of the s	
ANSWERS	FRQUENCE	PERCENTAGE
Yes	14	93•3
No	1	6.7
TOTAL	15	100.0

Of the 15 Headmasters interviewed, 93.3% said they checked the teacher's preparation books fortnightly. Only 6.7% of the respondents

don't check their teacher's books. This means that most of the Mead/teachers supervise the work of their teachers.

TABLE 4.6 Checking of pupils exercise books.

ANSWERS	FREQUENCE	PERCENTAGE
Yes	14	93•3
No	1	6.7
TOTAL	15	100.0

93.3% of the Headmasters do check pupils exercise books, to check whether children learn new things every week. Only 6.7% of the respondents don't inspect the pupil's exercise books. This shows that if given the necessary instructional and learning materials, many children can have a very good basic foundation.

TOTAL 4.7 Holding of professional academic meetings.

NSWERS	FREQUENCE	PERCENTAGE
Yes	13	86.7
No	2	13.3
TOTAL	15	100.0

According to this table 86.7% of the Headmasters hold professional meetings with their teachers. Only 13.3% don't hold these meetings. This is a healthy sign as through such meetings teachers are able to share experiences and hence raise the standards of teaching.

TABLE 4.8 Number of times meetings are held in a term.

ANSWERS	FREQUENCE	PERCENTAGE
Once	10	66.7
Twice	5	33•3
TOTAL	15	100.0

66.7% of the Headmasters hold professional meetings only once in a term. 33.3% hold these meetings twice in the term. This shows that not much is done by Headmasters to enhance professionalism in schools. It was my view that professional meetings should be held regularly to enhance professionalism.

TABLE 4.9 Working relationship with teachers.

ANSWERS	FREQUENCE	PERCENTAGE
Good	13	86.7
Fair	2	13.3
TOTAL	15	100.0

According to the above data, working relationships between administrators and their staff are good as 86.7% shows it so.

13.3% of the administrators said working relationship with their staff are fair. This shows that given the necessary materials, learning can be enhanced in primary schools.

TABLE 10 Problems in the acquisition of materials.

ANSWERS	FREQUENCE	PERCENTAGE
Yes	9	60.0
No	6	40.0

60% of the Headmasters said they face a lot of problems in the acquisition of both instructional and learning materials. 40% said they did not face problems. These were schools close to the Boma.

Discussions and findings from primary school teachers of Chadiza.

TABLE 4.11 Sex of respondents.

ANSWERS	FREQUENCE	PERCENTAGE
Male	50	73.5
Female	18	26.5
TOTAL	68	100.0

73.5% of the respondents were male and only 26.5% were female.

This shows that there are more male teachers than female teachers in Chadiza district.

TABLE 4.12 In service training in instructional materials.

AMSWIRS	FREQUENCE	PERCENTAGE
«Положения на поднавання» и фант народин компониция принципального до тухары таранурований поднаваний по	ള്ളാൻ നൽ ഇന്ത്യാൻ വിവേഷ് പ്രത്യാവുന്നത്ത് വായ് വായി വായി വിവേഷ് വായി വിവേഷ് വായി വിവേഷ വായി ക്രമ്യാ വിവേഷ വായി	Production of the Late States in the State of the English of the Control of the Late States and Sta
Yos	5	7.4
No	63	92.6
TOTAL	68	100.0

according to the above collected data, 92.6% of the teachers have never been sent for inservice training in instructional materials since leaving college. Of the 68 teachers interviewed only 7.4%

had been retrained. This shows that retraining of teachers is not done especially with the continuous changes in the methods and techniques in the ministry of education.

TARLE 4.13 Inspection by inspector of schools.

ANSWER	FREQUENCE	PERCENTAGE	
Yes	14	20.5	
No	54	74.5	
TOTAL	68	100.0	

79.5% of the respondents said they have not been inspected for quite sometime. Only 20.5% and these were mostly teachers teaching near the Boma were inspected. This revealed lack of commitment to duty on the part of inspectors and hence the falling standards in education.

TABLE 4.14 Times inspected by inspector of schools this year.

ANSWER	FREQUENCE	PERCENTAGE
Inspected Once	14	20.5
Not inspected	54	79.5
TOTAL TOTAL	68	100.0

Inspected only once this year. According to the above collected data 79.5% of the respondents have not been inspected by the inspector of schools. Only a meagre 20.5% of the respondents were inspected. Infact many teachers said they have never been inspected

since leaving college. This in itself has a big effect on the falling standards in primary education.

TABLE 4.12 Professional qualifications

gente d'antitatique de la commencia del la commencia de la commencia del la commencia	A CONTRACTOR CONTRACTO	
FREQUENCE	PERCENT AGE	
65	95.5	
3	4.5	
68	100.0	
	65 3	

According to the above collected data, 95.5% of the respondents had been trained in the Zambia primary course. Only 4.5% of the respondents were untrained. This shows that if properly handled these teachers can perform well. What they lack are the necessary instructional materials.

TABLE 4.13 Academic qualification of respondents.

ANS WERS	FREQUENCE	PERCENTAGE
Form II/Grade 9	10	14.7
Grade 12	58	85.7
TOTAL	68	100.0

85.3% of the respondents were of grade 12 qualifications. 14.7% were either fform II or Grade 9 qualifications. This means that most of the teachers are well educated and can handle the primary course well.

TABLE 4:14 Availability of Instructional Materials.

ANSWERS	FREQUENCE	PERCENTAGE	
Yes	15	22.1	
No	53	77.9	
TOTAL	68	100.0	

77.9% of the respondents said they did not have instructional materials and learning materials. 22.1% said they had. The most badly hit subjects were science, home economics, and English grade III teachers handbooks.

TABLE 4:15 Accessibility to instructional materials.

ANSWERS	FREQUENCE	PERCENTAGE
Yes	13	19.2
No	55	80.8
TOTAL	68	100.0

80.8% of the respondents donts did not have an access to the instructional materials found in their schools. 19.2% however, had an access to them. This clearly shows that some Headmasters did not give some materials to teachers to use. Instead they banked them in their offices.

TABLE 4:16 Does your headmaster order the right instructional materials?

THE PROPERTY AND ADDRESS ASSESSED AS ASSESSED TO A SECURITY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AS	CONTRACTOR OF THE SECOND CONTRACTOR OF THE SEC	The state of the s
MSWERS	FREQUENCE	PERCENTAGE
Yes	12	17.6
A. Chia ser tray and a management of the service of	1 бин	

\$1.5% of the respondents said their headmesters do not order the right instructional materials as this duty was withdrawn from them. The DEC's office orders on behalf of schools. 17.6% of the respondents, especially those near the Boma said their headmasters ordered the right materials. These had an upper hand in taking required materials as they came.

TRIE 4:17 Does he involve you in ordering instructional materials.

MIS VERS	FREQUENCE	PERCENTAGE
T. C. C.	10	14.7
To	58	85.3
The second of th	68	100.0

85. W of the respondents said headmasters do not consult them about materials they need to be ordered for their classes. 14.7 said they were consulted each time the Head ordered books. This shows that Heads do not consult teachers who should be in a better position to know what they need for their classes and instead order things which are not needed.

TABLE 4:18 Availability of learning materials.

	FREQUENCE	PERCENTAGE
	21	30.8
No	1,7	69.2
FCTAL	68	100.0

Most of the schools visited do not have all the necessary instructional and learning materials. 69.2% of the respondents confirmed the non-availability of these materials. Even the 30.8% which had, still lacked some e.g. in science, homecraft. Library books were not there.

TABLE 4:19 School resource centre.

	FREQUENCE	PERCENTAGE
Yes	9	13.2
No	59	86.8
TOTAL	68	100.0

86.3% of the respondents said resource centres were not there. The 13.2% of the respondents who said they had such centres, did not know what they were for. It seemed they were just formed but teachers were not conversant about them.

TABLE 4.20 Functionality of the resource centre.

MS FER	FREQUENCE	PERCENTAGE	
Yes	9	13.2	
No	59	86.8	
TOTAL	68	100.0	

As can be deduced from the above collected data 86.8% confirmed that there were no resource centres in their schools. 13.2% said they had them but they were not functional. This clearly points out that the falling standards in education have come about through negligence on the part of educators.

#### CHAPTER FIVE

#### <u>Summery</u>

of the 15 primary schools visited in Chadiza district, it was clearly seen that all the schools to not have sufficient instructional and learning reterials. The results from the questionnaires and interviews revealed that Headmasters, who are the custodians of solucition in school, are not given the chance to order books and instructional materials for their schools. Infact it was discovered that the for instructional and learning materials found in these chasts are ordered by the inspector of schools without consulting the Headmasters who are in a better position to know what their schools need.

when asked why they are not given the chance to order learning and instructional materials, all of the Headmasters said they did not know why this task was withdrawn from them.

It that further revealed that even Headmasters have not taken up the initiative to advise the inspector of schools on what their achools lack.

when togehers were asked whether they are consulted by their Mondanesters as to what instructional and learning materials they need in the grades they teach, most of the teachers said they were never consulted.

Then asked as to whether resource centres were functional in their

schools, most of the teachers did not know what they were all about. A few teachers however said they had resource centres which were none functional.

It was interesting to note however that most Headmasters checked both teachers preparation books and pupils exercise books. Both professional and administrative meetings were done in all the schools visited. Most Headmasters agreed that they held these meetings once in a term/which was not adequate.

host of the Headmasters interviewed were of grade 12 qualifications. A good number of them were young and energetic.

On the whole, most of the Headmasters said they were on good working relationships with their teachers. This was good.

Mowever the most pressing problem encountered by Headmasters was on acquisition of teaching materials.

# CONCLUSION

From the findings of this study, the researcher has come up with the answer that primary education is not achieving the objectives as laid down in both the educational reforms and the present curriculum due to non availability of instructional and learning materials. In subjects like science, art, home economics and religious education, in most schools visited, instructional and learning materials were non-existent.

of them are of grade 12 qualification). Children in schools were to receive good education. The only remedy to solve this problem is to provide all the necessary instructional and learning materials to all primary schools in the country.

Nost of the schools visited have not been painted since they were built and that in itself does not inspire the children to learn.

# Recommendations:

In view of the researcher's findings, the following recommendations to the policy makers and future researchers are made:

# Policy makers and implementors

- 1. The government has to see to it that all primary schools are provided with all necessary teaching and learning materials.

  This is the only way in which quality education can come about in vecbia.
- The pectors of schools must visit schools regularly. This will obligate teachers and solve some of the problems to schers free in their dep to day work.
- D. Headmesters and teachers must be sent for in service training in instructional materials regularly in order to keep up in App.. It would do well to send teachers for in service every after 5 years.
- 4. The course centres must be prested in every school and inspectors that visit these regularly. In this way teachers will keep in the of any changes made in the curriculum.

- 5. Inspectors should be provided with transport to enable them visit and inspect schools regularly.
- 6. Supplimentary leaders should be given to primary schools.

  In fact the introduction of libraries would being about good results as children's vocabulary would grow by the time they graduate from primary schools.

### Future researchers:

- 1. It is important to conduct research in the teaching of science, art, music, P.E and religious education. These subjects are not fully taught in primary schools.
- 2. Research should as well be conducted on the atitudes of inspectors towards their work. For although they are not given transport, at least effort was supposed to be on their part to visit each school at least once a year which most of them seem not to be doing

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  Government Printers Lusaka.
- 3. Kelly, M.J. (1991). Education in a Declining Economy. The case study of Zambia 1975-1985. The World Bank Washington.
- 4. Wanskatwe, J.M. (1968). The Growth of Education in Hambia Since Independence. Oxford University Press. Kenya.
- 5. <u>Teaching</u> and Media

#### ESTIMATED BUDGET

1.	Travelling Allowance	=	K30,000
2.	One box Stencils	=	5,000
3.	2 Tubes Duplicating Ink	=	10,000
4.	3 Copies Binding	=	3,000
5.	2 Pens	=	300
6.	Subsistence Allowance	=	40,000

#### WORK PLAN

1.	Formulation of Topic	-	5th July, 1994
2.	Writing Proposal	-	1st August, 1994
3.	Submission of Proposal	-	10th August, 1994
4.	Data Collection	-	5th September, 1994
5.	Draft Writing of Report	-	30th October, 1994
6.	Presentation of Report	-	12th December, 1994

# QUESTIONNATRE FOR HEALMASTERS

Instructions						
Answer all the questions. Do not write your the if you do not						
wani	t to. All asswers will be treated condidentially.					
1.	Sex					
2.	Name of your school					
3.	Academic qualifications					
4.	Professional qualifications					
	•••••••••••••••••••••••••••••••••••••••					
5.	For how long have you been headmaster?					
6.	Does you school have instructional materials in all subjects?					
	•••••••••••••••••••••••••					
7.	If not, why					
	•••••••••••••••••••••••••••••••••••••••					
8.	How many times do you order school materials in a year?					
	•••••••••••••••••••••••••••••••••••••••					
9.	Do they always comed					
10.	Do you check your neacher's preparation books?					
11.	Do you check pupils books?					
12.	Do you sometimes hold professional meetings with your teachers?					
	· h · · · · · · · · · · · · · · · · · ·					
13.	How many times do you hold these meeting in a term?					
14.	What is the working relation like with your teachers?					
	***************************************					
15.	Do you have or cacounter problems in the acquisition of instructional and learning materials for your school? If so					

END OF INTERVIEW
THANK YOU VERY HUCH

MR. S.M. MITI, UNIVERSITY OF Z-44BIA, DEPARTMENT OF CONTINUING EDUCATION, P.O. BOX, 32379, LUSAKA.

# HEAD MASTERS

Below are twenty two instructional majorials used in primary schools. Please indicate by marking.

- 1. Teachers handbooks is all subjects. NVAIDABLE NOT AVAILABLE
- 2. Pupils textbooks in all subjects.
- 3. Wall charts
- 4. Colour charts
- 5. Flash cards
- 6. Chalk boards
- 7. Flannel boards
- 8. Pupils rul was
- 9. Homeografica anutomous
- 10. Industrial wars as seen is
- 11. Numerical cares
- 12. Maps
- 13. Temperatus
- 14. Board rulers ...
- 15. Pupils rulers
- 16. Science equipments
- 17. Radio
- 18. Television
- 19. Slates
- 20. Colour paints for use in art
- 21. Manilla paper
- 22. School library books

THANK YOU

S.M. MITI UNIVERSITY OF ARABIA DEPARTMENT OF COPTINUING EDGGATION P.O. BOX 32379 LUSAKA, ZAMBIA

### Teachers

Below are twency instructional materials used in primary schools. To the right are columns labelled always, usually, seldom and never. Say whether you use the materials in question always, usually, seldom or never.

Tea	chers	Always	Usu:11y	Seldom	Never
1.	Handbooks in all subjects		s at hillion 120 has been been a		
2.	Wall charts		terminal all a decisions of		
3.	Colour chares		المراجعة المتعادمة ا		
4.	Pupils tempbooks in all subs				
5.	Flash cards				
6.	Chalk board				
7.	Numeral cards	e Marie Marie (1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880		The state of the s	
8.	Temperatis				
9.	Mannila yap				
10.	Notice by id		im i iak		
11.	Pupils work bloks				
	Class supplementary Read is		en vol. 29€		
	Word to picture marching	Company of the Control of States	***	mental construction of pro-	r di iradikana
		to the different page	Arte Seculos III III	e de de appellemente	er Manuschiller v
	Board ruler	commission desired and the second	reterioristica di C. S. C	in all the contact	· collection de la description de la collection de la col
	Educational games	erdoministra orași alianteira (j.		Now Additional Assessment States and Assessm	al - Marillo relativa designa
16.	Science laboratory	- Parkerthians, who she say so w	t that will be a	ethe de Mille de del deligação	n diameterate
17.	Workshop tools	State 44 equilibrings of	to an accept to	no mille Analonia (1983)	- Sickline of the confidence
18.	Radio	Aller Marie State (17 A) with	مهرست سنته	will a strong a security age.	to missed particularly in-
19.	Television 3%t	- The Bude water - 1984	e transaction	ti e - willion Million de weekle o se	a punior Paladi de Sidires Malandago, sego
20.	Slates	tila ilikusijas sailiasa ku gry	. Some in the space	Control of the state of the sta	
21.	Rulers for pupils	இவன் சார் அறு எது க	and the second of	Anna de managantis de desta Anna	
22.	Exercise books				in the same of the
		• 7 office desifferings on	to the consideration of the second	a Kalandar Saas	A land to the land of the land

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