

CHALLENGES STUDENT TEACHERS EXPERIENCE WHEN PREPARING AND IMPLEMENTING MICROTEACHING LESSONS AT THE NATIONAL UNIVERSITY OF LESOTHO.

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Abstract

In this paper, a qualitative research approach was used to design the study which investigated the challenges experienced by student teachers during micro teaching in the Faculty of Education at the National University of Lesotho. Data for this study was collected during the supervision of these students while carrying out pre-microteaching activities such as interpreting the syllabus, planning and rehearsing for their sessions. Data was also collected from students during their oral presentations and from their written materials. The information collected was recorded in a form of field notes which were later transcribed and analysed using a thematic approach. According to the findings of this study, the main challenges faced by the student teachers in the microteaching activities is using English as a medium of communication, interpretation of the syllabus, selection of teaching methods, over and under planning and organisational strategies. It is recommended that student teachers be discouraged from using non-conventional language, use both curriculum and syllabus when planning a lesson, spread their knowledge on different teaching methods and plan compile their microteaching portfolios way ahead of time.

Keywords: Microteaching, student teachers, curriculum interpretation, lesson planning and implementation.

Background Information

The existing curriculum of the Faculty of Education at National University of Lesotho (NUL) provides various types of teacher education programmes at the undergraduate as well as graduate levels (NUL 2019). Higher Diploma in Education is offered as a two-year part-time programme to primary school teachers who want to upgrade from college level teaching diploma qualification. After acquiring this qualification, student teachers can choose to continue to study for two more years in order to attain an undergraduate degree teaching qualification. Secondary school teacher education programme offers two types of qualifications: undergraduate diploma in Agriculture, and Bachelor's degree in various

learning areas of social sciences and languages, special education, and pure science education. Diploma in Agriculture program is a one-year programme offered mostly to students who have a diploma qualification in Agriculture from the Lesotho Agriculture College (NUL 2019)

The duration of secondary teacher education degree programme is four years. Student teachers enrolled in the undergraduate degree in teacher education programme are of two main categories: student teachers who are upgrading from college level teaching diploma for secondary education level or to undergraduate teaching degree level. This category of student teachers is normally exempted from the first year of the programme and are taken directly into the second year class of the programme. Another category of student teachers is admitted in the programme directly after successful completion of high school education. These type of students go through the four years of the programme. The focus of this study is on the secondary teacher education programme which awards Bachelor of Education and Bachelor of Science Education degree (BEd and BSc.Ed) qualification on completion.

Teacher education program for secondary teachers at NUL comprises of three types of courses namely: content, curriculum, and education foundational courses. Content courses are offered in other faculties such as the Faculty of Humanities, the Faculty of Social Sciences and the Faculty of Science and Technology. Curriculum courses, which basically train teachers how to teach content in their specialisations, are offered in the Department of Languages and Social Science Education (LASED) and the Department of Science Education. As part of the requirements of the programme, student teachers are also required to take courses offered in the Department of Educational Foundations (EDF). EDF courses are offered as core and electives. Introduction to *Philosophy of Education* is offered as a core course in the first year of study. All student teachers in the second year of study take *Educational Psychology*, and *Teaching and Instructional Design* as core courses. In the third and fourth years of study, EDF courses are offered as electives in the areas of assessment and evaluation, clinical supervision, and non-formal education to mention a few. Teacher education programme for secondary school teachers has eight semesters and courses are offered as a semester (three credit hours) or a year course (6 credit hours) courses. The last semester of the programme is normally reserved for the teaching practice programme.

Teaching Practice

At the National University of Lesotho every student in teacher education program is expected to attend teaching practice during his/her final year of study. The intended program assists students to put in practice the theories and teaching models which they were taught during their tenure in their respective streams. This concept is not isolated from other countries or other universities as Wagenaar (2005) states that in South Africa all student teachers are expected to do practice teaching which helps them to conduct teaching trials in the context of a school situation in order to fine tune the skills required of a teacher.

Teaching practice is a programme that is intended to support student teachers, and it is not done a period of a day or a week. It's an intensive process which meant to impress upon the student teacher so that they can appreciate the progress of learning as well as reflecting on

what they have learned as Lewin (2004) observes that at one or more points during the training period trainees spend anything from a few days to a several months working in schools as classroom teachers under supervision. This allows the supervisor to explore various theories which the student teacher wants to employ and then assist them on whether it does make sense to use such theories so that the student teacher can reflect back.

Teaching practice is a compulsory and forced initiative in Universities or colleges of education. It is said to be an important tool which is designed to equip student's teachers to sharpen their teaching skills. Chepyator-Thomson and Hsu (2007) outline that many researchers consider teaching practice to be the most significant section of undergraduate teacher preparation programs. It is part of an educational journey which may be regarded as internship when using terminology from other disciplines.. Other scholars refer to it as "practicals". Practical experience at schools is regarded by the University of Fort Hare's Education Department to be crucial for the the successful completion of mentorship of students who are training to be future teachers (Irvin, Weslaway and Schaefer, 2004).

USAID (2015) argues that it is also noteworthy to realize that although teaching practice appears to most people as the first stage of a teaching career, the informal phase in learning to teach begins much earlier. The person starts to learn how to teach the moment they enter the classroom as they view the person delivering the lesson and even imagine how they themselves, can deliver the such a lesson. The 1st stage in the continuum of learning to teach is known as the apprenticeship of observation, the period when student teacher participates in and completes a formal teacher preparation program which enables him or her to acquire the knowledge, skill and attitudes. (USAID, 2015). It is crucial for student teachers to be equipped for this task so that they could implement theories which they were taught. It is through preparation for the teaching practice that major activities like Micro-teaching are put in place.

Micro-teaching as a part of one compulsory course offered in second year, is taken by all second-year students. In this programme, students participate in a number of activities such as identifying levels of objectives for planning of teaching, drawing a lesson plan and implementing a lesson plan. Microteaching has long been viewed as an important strategy in teacher education (Higgins and Nicholl 2003). It can be traced back to the early 60's. Often this strategy is designed with the purpose of giving student teachers an opportunity to practise teaching before participating in a field/practical based (school-based) teaching programme. Even today, microteaching is practised worldwide as an important element of teacher education (Remesh, 2013).

Student teachers participating in a microteaching programmes are exposed to opportunities to perk up their teaching skills by engaging in various simple teaching tasks. Bell (2007:24) also observes that microteaching is commonly practised by student teachers who are pursuing educational methods courses. These students are exposed to preparing and teaching a lesson to their peers to gain experience. Student teachers plan and implement small teaching tasks which take only few minutes. It involves the clinical supervisor and the student teacher, who will have other students as observers too so that they can learn from the particular student on the podium. The planning and delivery of the lesson is not just promoted without employing teaching skills. Quinn (2000:388) adds that microteaching is a small group activity that can

be a potent tool for the acquisition of skills. He further asserts that microteaching is a circle of events, which consists of the performance of micro-skills which are aspects of a social or psychological skill such as asking a question.

Microteaching is a structured programme which involves steps and phases (Bagatur, 2015). It is designed in phases so that it can help student teachers and clinical supervisors to follow prescribed patterns so that they do not skip important procedures. There are four basic phases in micro teaching; at the first step the trainee studies a specific teaching skill and then conducts it in a small portion of the lesson. The third step is when the trainee receives feedback about the quality of their performance from the supervisor and the last one takes place when they receive a feedback from the classmates and clinical supervisor (Dweitkat, 2009). These phases could resume even some months prior to the micro teaching proper as it involves planning how micro-teaching will be conducted. This therefore, translates to the reason why teachers have to come up with end-of-level objective, that he or she wants to work on and break it down by looking at the knowledge need by examining the objective verb; then out of the verb the student teacher should come up with indicators which will help in the formation of lesson objectives (Dweitkat 2009).

This is still the same trend even at the National University of Lesotho as it prepares students teachers to be familiar with different models when designing a lesson, to be able to interpret a set syllabus as well as being aware of the curriculum set by the nation. This therefore seems to be a standard requirement across the globe with other Universities which are involved in teacher training. . At Stanford University a circle of micro teaching involves the following steps being to ‘plan, teach, observe, re-plan, re-teach and re-observe’ (Brown 1975:15). It is obvious that micro teaching cannot be done once but rather it involves a repetitive action involving monitoring and going back to the same activities to rectify observed mistakes that crept into the process during its execution. Higgins and Nicholl (2003) observe that the University of Ulster amended this model into a three stage model comprising planning, teaching and observation.

Micro-teaching does not only benefit student teachers but it is also advantageous to the clinical supervisors as they keep themselves updated on the different models that keep on emerging, and that can be used to supervise the student teachers. It also promotes the skill of cooperation and teamwork for student teachers as they form groups when going into the microteaching laboratory. Okeke, Abongdia, Olusola, van Wyk and Wolhuter (2019) outline other benefits of micro-teaching and view the strategy as useful for allowing the rehearsal of teaching techniques on a small scale without the fear of the consequences of failure. Therefore, microteaching works as a practice to all people who intend to be professional teachers. Micro- teaching or reflective practice is purported by many qualified teachers and educational scholars to have benefited pre-service teachers (trainee teachers) in the teacher learning profession to become competent teachers (Kuswando, 2014).

In microteaching, there are numerous facilities which are used by both the clinical supervisor and student teachers. The list starts from the blackboard, white board marker and other typical classroom tools that are found in a typical classroom setting. In a typical and functioning micro-teaching setting there should be a video tape for recording so that a learner can watch their mistakes when they get off the podium. In our microteaching laboratory at

NUL we do not have this facility. The use of videotaping in the microteaching is seen by many researchers as essential. It has benefits in teaching as it alerts everyone in the group to behaviour and events that they may have failed to notice at the time of the recording (Jacques, 2000).

The video tape recorder is a key equipment in microteaching which is meant to assist student teachers to look at how they conduct themselves in front of the class so that they can rectify mistakes committed while teaching. Quinn (2000) highlights that the person is then allowed to repeat the performance during which the changes suggested during the evaluation are incorporated into a new performance. On the other hand, there are authors like Minardi (1999) who argue that the use of video-taping and micro-teaching could also be not a good tool for learning as it cannot be effective. He offers a cautionary advice about microteaching and video recording by indicating that micro-teaching, although potentially valuable as an educational tool must be handled sensitively and requires further research to evaluate its effectiveness. The existing situation at the NUL is that when student teachers come into the microteaching laboratory they come in batches of 10, the nominated student teacher for the lesson then proceeds with the pilot teaching and the supervisor then verbally gives out its comments in the presence of others so that the next student teacher who will go to the podium will not commit the same mistakes which were pointed out to the earlier student teacher. This has been found to be helpful as the students also learn from other students and reflect on themselves. Race (2001) asserts that setting up the environment for peers to observe each other's teaching provides a myriad of opportunities for the learner to learn about oneself and others, to build confidence, to practise how to give and receive positive and negative feedback.

Research questions

This study was undertaken at the National University of Lesotho among the student teachers in the Faculty of Education. The study was to investigate the challenges student teachers experience when preparing and implementing micro teaching lessons. The issues which study investigated were;

1. What challenges do student teachers manifest in interpretation of curriculum document and syllabus?
2. What challenges do student teachers face in planning and implementation of lessons?
3. What are student teacher challenges regarding the relevance of teaching materials as well as applicability?

Methodology

The study was conducted at the National University of Lesotho among the student teachers in the faculty of Education. This was where microteaching laboratory was used by student teachers. A qualitative approach was used in the design and selection of the methods which were used to collect data. The sample of this study consisted of 17 students who were involved in the programme from 17 student teachers for the academic year 2018/2019. van Zyl (2014) ; Creswell (2017) holds that qualitative research involves studying things in their natural settings, attempting to make sense of, or interpret, phenomena in terms of the meaning people bring to them. The data were collected through the observations and semi-

structured interviews with these student teachers during planning and implementation of microteaching lessons. Thanh and Thanh 2015 support that the qualitative research interview attempts to understand the world from the subjects' point of view, to unfold the meaning of their experiences, and to uncover their lived world prior to scientific explanations.

Leedy and Ormrod (2015) outlines that qualitative researchers rarely try to simplify what they observe, instead they recognize that the issue that they are studying has many dimensions and layers, and so they try to portray the issue in its multifaceted form.

Sampling

The sample of this study consisted of 17 students who were involved in the programme at National University of Lesotho, in the Faculty of Education and who were doing the second year of their study. The sample was drawn from them during the preparation and implementation of their microteaching process. A convenience sampling was used because students teachers were readily available and accessible at all the time (Leedy and Ormrod 2015). Maree (2019).

Results

Demographic characteristics of the respondents

There were 17 respondents who were interviewed and observed while they were preparing and implementing microteaching. The respondents were made up of males and females, they were all studying towards bachelor degree in Education, Bachelor of Science in Education and Diploma in Agriculture Education. Among respondents, there were direct entry students from high schools. There were also those who attained Diploma in Education from Lesotho College of Education (LCE) and there were those who obtained Diploma in Agriculture from Lesotho Agricultural College (LAC). The respondents ages ranged from 19 years to 45 years of age. The table below represents demographic characteristics of the respondents.

Table 1: Frequency distribution of respondents by age

Age Categories	Frequency	Percentage
Younger than 20 Years	7	41.17 %
20- 25 Years	4	23.52 %
26- 30 Years	3	17.64 %
31- 35 Years	2	11.76 %
Older than 35 Years	1	5.88 %
Total	17	100 %

Source: Field Data 2019

Table 2: Frequency distribution of respondents by sex

Sex Categories	Frequency	Percentage
Male	6	35.29 %
Female	11	64.70 %
Total	17	100 %

Source: Field Data 2019

Table 3: Frequency distribution of respondents by previous qualifications

Qualification	Frequency	Percentage
High School	10	58.82%
LAC Diploma	2	11.76 %
LCE Diploma	5	29.41 %
Total	17	100 %

Source: Field Data 2019

Themes

Language

Under language, the researcher came up with three sub-themes as written English language, Spoken English Language and Non-conventional English Language.

1.1.1.1. Written Language

The study found out that student teachers struggled with correct spelling of the English words used in their portfolio documents which included lesson plans One respondent wrote:

At the end of that lesson students should be able to drawing plant cell. S.1

The above lesson objective showed two grammatical errors where student referred to the end of lesson as 'that' instead of 'the'. The other one is the tense mistake where the student used 'drawing' instead of 'draw'. These kinds of grammatical errors which included improper use of the tense were predominantly seen from most respondents. There were also some respondents who omitted some words while filling up lesson template. One respondent could not correctly copy down the end of level objective from the syllabus. The objective read like this:

At the end of Form A learners should able to participate on demographic processes. S.2

This level objective was written wrongly in two ways, firstly the respondent left out 'be' after should. The other shortcoming was found to be misapplication of English words so that instead of the word demographic referring to the structure of the population being sampled, the student uses the word "democratic". Therefore, the context and meaning of the whole lesson's objectives ended up confusing. The issues of spelling and grammatical errors continued to surface more during the presentation of some student teachers on the blackboards. It also became apparent that most student teachers did not adequately research their prescribed assignments prior to presentations.

Spoken English Language

The overall assessment of the student teachers elicited a serious problem in their spoken and written English during presentation of their lessons. The researcher witnessed one group of respondents arguing over the pronunciation of the word 'determine'. It took them some time arguing over the right pronunciation of the word. The findings further revealed that student teachers were not quite articulate in their use of the English Language to an extent that they kept on making long pauses during presentations as a way of trying to re-organise their sentence structure. One respondent uttered these words while declaring his public record.

‘You should be able to explain on what hunting as an economic life of the Khoisan’. The student teacher meant to say ‘At the end of this lesson you should be able to explain how hunting was used as an economic life of the Khoisan’.

Non-Conventional Language

The findings also revealed that most student teachers used non-conventional language or what is commonly known as “slang language” while administering their microteaching lessons. This practice was determined to be due to the reason that they are used to communicating among themselves with this un-conventional language. They tended to forget that microteaching is a formal and academic exercise. One respondent said this verbatim ‘**I am gonna ask you to repeat after me the list of verbs so that you can remember them if you wanna use them**’. This is regarded as one of the biggest challenges to the future of the national curriculum because it shows that student teachers are more likely to use non-conventional/slang language in the classrooms resulting in a negative perception to learners that this is an appropriate language used across the academic world. Gonzalez et al (2015) concur that the use of cell phones has led to language cut where people do not type the word in full while messaging.

Stage Fright

Student teachers exhibited a great difficulty standing in front of the audience as almost all of them were subjected to this situation for the first time. Symptoms of panicking, characterised by uncontrollable shivering, instability and lack of focus showed that student teachers developed stage fright. One respondent interrupted her presentation and excused herself by requesting the Clinical Supervisor for use of toilet facilities. The following day this particular participant came to the office of the Clinical Supervisor and openly stated this verbatim ‘Sir I am sorry that I had to leave the stage yesterday because I was too scared as a result I developed menstrual periods’. It wasn’t uncommon to have student teachers literally crying cried while they stood in front of others to deliver these lessons.

Interpretation of Syllabus

The study also found that student teachers experienced the biggest problem on the interpretation of the Lesotho syllabus. The Lesotho syllabus is formatted in such a way that it should be easily interpreted and understood by the teacher who would administer it.. Firstly, when the student teacher plans for the lesson they are required to develop indicators so that they are able to come up with end of lesson objectives from one end of level objectives. One of the challenges found was that some student teachers wanted to teach end of level objectives within the first ten minutes without breaking it down into lesson objectives first. The findings also revealed that respondents also put more emphasis on the topics. They worked on topics as a lesson objective without looking at the end of level objective. Most of student teachers believed had a misconception that they could conclusively teach a particular topic within the stipulated short period of time. One respondent argued that she could teach weathering within ten minutes. When interpreting syllabus, one has to take into consideration that there are many end of lesson objectives under weathering which include definition, types, causes etc.

Over planning and under planning

The study found out that the over planning and under planning is common among student teachers. As mentioned above, the lesson plans are screened by the supervisor before students teachers can go into the microteaching laboratory. The process of screening each student's planning involves all aspects of the lesson plan template from allocation of time to lesson evaluation. The researcher observed that some students over plan either by designing too many lesson objectives or by designing one ambiguous lesson objective. The researcher has provided the following lesson objective which were formulated by the student teachers on two subjects: History and Sesotho.

History Subject

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

1. Explain marriage as a social life of the Khoisan
2. Explain religion as a social life of the Khoisan
3. Explain hunting as part of an economic life of the Khoisan
4. Explain gathering as part of an economic life of the Khoisan
5. Explain chieftaincy as part of a social life of the Khoisan

From the listed lesson objectives above, it is clear that there is no student teacher who can teach these objectives within a space of 10 minutes.. These objectives are well designed but they cannot be taught within one day as they are many with lots of content that needs to be explored and explained.

Sesotho Subject (Local language)

Qetellong ea seruoatoa, ban aba be baka hlalosa ka bophara moetlo oa lenyalo la Sesotho ka methati e lokelang ho lateloa

This objective translates to 'At the end of the lesson, students should be able to describe chronologically in detail Sesotho traditional marriage. It is one objective but it is quite impossible for a student to teach this within 10 minutes, as there are different phases which have to be executed in the process of establishing a Sesotho marriage and its explanation is a daunting task. For an example; *Ho raha moritsoana, ho kopa mohope oa metsi, peheletso/tebeletso, selelekela etc.* The researcher observed this as an over planned lesson which were done by many students teachers across all disciplines.

This study also revealed that some student teachers under planned while they were designing their lesson plans. There are some who used multiple lesson objectives with the misconception that if they are many they would be appropriate for the lesson while others thought that one lesson could appropriately be dispensed off in 10 minutes. The following lesson objectives are typical examples which were formulated by the student teachers on two subjects: Geography and Biology.

Geography Subject

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

1. List types of soil erosion
2. List causes of soil erosion
3. List conservation methods
4. List problems caused by erosion

Teaching the above objectives would require a teacher less time as topics covered are all about listing components without going deeper with their explanations or descriptions.

Biology Subject

At the end of the lesson, students should be able to list parts of the root hair cell.

This lesson objective also sets out as an example of a single under planned lesson objective which could also be taught within limited time by the student teacher.

1.1.2. Teaching Methods

The study found out that students do not have a clear understanding of the teaching methods, other student teachers wrote on the lesson plan that they would use particular teaching method and when they conducted their lesson, they used different teaching methods from the one they proposed to use. There are respondents who suggested use of a particular teaching method like Discussion, only for the supervisor to realise later that they were using a different method like Discovery or Question and Answer during their lesson presentation. There were those student teachers who would propose on the lesson plan simultaneous use of the three teaching methods on one lesson objective which demonstrated lack of understanding how teaching methods should be used. Below is a common example of how most respondents used teaching methods.

Table 3: Teaching framework in various Lesson Phases

Stages of Lesson	Specific Objectives	Duration	Content	Teaching Method	Media	Teacher Activity	Learner Activity
Body	Objective 1	10 minutes	Verb	Discussion Demonstration Discovery		-Defines a verb	-Defines a verb

Organisational strategies

The study found out that student teachers had a host of problems when it comes to organisational strategies. Most of student teacher groupings experienced internal conflicts of interest in that sometimes when one section of the grouping wanted to schedule a microteaching lesson, say, for two hours' duration, there would be members of this grouping who would not show up and cause havoc for others. This section of the grouping would always cite flimsy reasons as to why they abstained. One of the most common reason was found to be the fact that during the formation of the grouping some members neglected to properly check their school timetables in order to agree a time slot for the microteaching lesson that would be suitable for all members. The multiple and varied course of studies pursued by individual members commonly pursuing the microteaching was another challenge to be reckoned with. . For example the researcher found out that in one grouping which was

made up of ten members, there were two students who were majoring with science subjects while there was one with History, Development studies, Sesotho, English Language and Business Education.

The study further revealed that, there was a challenge also on the organisational strategies of student teachers on the compilation of a portfolio. It was common to find that other student teachers, either through laziness or lack of self-confidence, would copy the compiled work portfolio of the other student teacher. The researcher found out that one student teacher would write Development Studies as a subject to be taught in the micro-teaching only to find that the student teacher planned the contents to teach a History lesson, whereas the prepared work was for the Development Studies.

Conclusion

Based on the findings gathered, the following conclusions can be drawn from this present study:

The use of spoken and written English prescribed as a medium of study and the adoption of use of non-conventional language or slang appears to be the stumbling block for student teachers at the National University of Lesotho. This study leads to a conclusion lack of mastery of the English Language for these learners at the National University of Lesotho in the faculty of Education is a very serious national problem.

Stage fright was found to be one of the challenges that student teachers encountered as noticeable signs of panicking, uncontrollable shivering, instability and lack of focus were detected .

Correct interpretation of subject syllabi is the other challenge that was observed as student teachers struggled to come up with indicators to break up end-of-level objective into manageable lesson objectives.

The study also revealed that students could not prepare appropriate lessons with appropriate timings. There were some who over planned while there were some who under planed their lessons duration by estimating by 10 minutes.

Lastly, the study the study concluded that student teachers could not differentiate between teaching methods. Most of them used different teaching methods from the one they planned to use while designing lesson plan. The organisational strategy, teamwork, collaboration and cooperation were also observed to pose challenges to the student teachers as they kept on reporting to the course instructor about their differences and group conflicts.

Recommendation

Based on these findings, the study recommends that: firstly, the student teachers should go through their work thoroughly and check any grammatical errors before they can submit for clinical supervision. Secondly, the use of non-conventional language commonly known as slang language should be eliminated during lesson planning and presentation. Thirdly, this study recommends that student teachers should align their lessons planning, based on the subject syllabus, with the National Curriculum and Assessment Policy of Lesotho.. The interpretation of the syllabus where student teachers will interpret syllabus using indicator will illuminate challenges like over planning and under planning. This study further

recommends that student teachers familiarise themselves with different teaching methods so that they can select the appropriate ones for different context. Lastly, it is recommended that student teachers prepare their portfolio which includes lesson planning way ahead to avoid any associated challenges so that they can have ample time to reflect on their work.

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