

Quality Teacher Education vis-a-vis School Education (Volume - 1 of 4)

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Quality Teacher Education

vis-a-vis

School Education

(Proceedings of the Two-day International Conference)

Volume - 1 of 4



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ABSTRACT:

Teacher is the most important factor for improvement of educational system and teacher training programme is now necessary for entering into teaching field. Now a day it is a two year training programme and lesson plan is an important part in it. Before going to the internship, the B.Ed. trainees are oriented and explained to prepare the lesson plan and they are also gone through the micro-teaching classes where they already learned how to use all the skills in their science teaching. But still at the time of preparing lesson plan the students face difficulties. Hence it will be worthy to know what kinds of problems faced by the B.Ed. trainees during their lesson plan preparation in science and what are the possible reasons of facing these problems. In this research paper the researcher tried to find out the answers of these questions and at the end some suggestions are given to overcome these problems for the B.Ed. trainees belongs to science background. For achieving these purposes the research developed an open ended questionnaire and collected data from the B.Ed. 3rd semester students of G.G.V. and suggestions were given by taking interviews from their teachers.

Key words: Lesson plan, Science, Student teacher, teacher training programme

Introduction:

Learning Science is an important activity for human being for enriching the quality of life in any civilization as in applying the ways which are necessary for the development of us and our society as well. Science is considered as an abstract concept subject which needs proper explanation and experience for understanding the concept properly. Explanation about the science concept always depends upon the teacher in the classroom and for this explanation the teacher always prepares himself/ herself before entering into the classroom.

As we know that planning is very important for completing any work effectively. Without planning, works become hotchpotch which makes uncomfortable and reduce the confidence as well. For doing any job successfully we could have clear concept regarding that work and teaching is not away from this criteria. Before entering into the class the teacher could have clear idea about what he/ she is going to

teach and how to deliver that lecture. For this purpose a road map of the lesson should be kept into the teacher's mind otherwise it may disturb the whole class.

For entering into teaching field, going through a teacher training programme is now mandatory. It is a two year training programme and lesson plan is an important part in its curriculum. It provides them flexibility in their teaching (Ayres, n.d.) and will be able to modify the method according to their content.

For teaching of science in a particular classroom, need of proper thinking and planning as it is an abstract based subject and need proper explanation to understand the concepts. For explaining and developing the clarity about the concept, planning is unavoidable except which the student teacher will be diverted from his/ her goals for that lesson.

As a student teacher is new in this teaching field and having lack of teaching experiences hence lesson plan will surely help in achieving the goal of a science teacher.

Lesson plan:

Lesson plan is the detailed description about the content for a particular class or period. It is the fundamental procedure to structure the lesson outcome (Ayres, n.d.). It acts as a written guideline of the teacher which is based on systematic instructional design principles (Ozogul, Olin & Sullivan, 2008).

This reminds the teacher what he / she is going to teach in the class and makes a smooth way to organize the content and manage the content within the time period. It also shows the teacher's devotion and efforts (Ayres, n.d.) towards his/ her job. As already said earlier that it makes us confidence which helps to develop our professionalism and commitment as well. Similarly it helps to develop our personality, confidence and gives the opportunity to evaluate the teacher's knowledge as well.

By using lesson plan the teacher will be able to know what to do, how to do in delivering the lesson in the classroom. Here the teacher will not misuse the period by talking unnecessary things and thinking of what to do next.

Need and importance of preparing lesson plan for Science teacher:

For teaching job preparation of lesson plan is most important especially for the B.Ed. trainees who are now doing their internship and getting ready for entering into teaching field. As they are now preparing themselves as being future teachers so taking classes is very tough work for them. So, for making easy this teaching work, NCTE included lesson plans in B.Ed. curriculum.

It gives the trainees proper direction of learning objectives. Give them time to think about the necessary equipment's which they can use in their teaching for making it effective. And it guides them direction in delivering their lessons also. It makes them confident in their teaching and provides a record of their teaching.

The trainees who are teaching science need to focus on their lesson plan also as they have to use teaching aids, have to do experiment for the lesson and at the same time they have to explain the content as well. So for them it is very helpful for delivering the lesson in an effective way so that the students can understand the lesson by making a joyful teaching- learning environment.

Rational Of the Study:

From the personal experiences of the researcher it is observed that students who are doing B.Ed. training in Guru Ghasidas Vishwavidyalaya, Bilaspur and now in their internship programme, though they are already gone through their micro-teaching classes and orientation programmes of preparing lesson plans

in science still they face so many problems in preparing lesson plans. They have prepared their plans in rough but when they are end to schools still doing mistakes in writing the lesson plans. So it will be worthy to know, i) what kind of problems faced by the B.Ed. trainees in preparing their lesson plans in science? ii) What are the possible causes of these problems? and iii) how can we improve their lesson plan?

Objectives:

The following objectives are framed:

- i) To study the problems faced by the B.Ed. trainees of G.G.V. in preparing their lesson plan of science.
- ii) To find out the possible causes faced by the B.Ed. trainees of G.G.V. during their lesson plan preparation in science subject.
- iii) To find out the ways of improving the lesson plan in science.

METHODOLOGY:

Population and sample:

The B.Ed. students studying in Guru Ghasidas Vishwavidyalaya are selected as the population for the present study. And for achieving the objectives total 30 students were selected as sample by using purposive sampling technique.

Tool:

For the present study the researcher developed an open ended questionnaire and took interviews from the B.Ed. trainees of GGv of Science subject. And for the third objective opinions were taken from the mentors.

Methodology:

Qualitative research paradigm is used in the present study.

Result and Discussion

- i) **Objective 1:** To study the problems faced by the B.Ed. trainees of G.G.V. in preparing their lesson plan in Science.

From the responses of the B.Ed. students it is found that they face so many problems in their lesson plan preparation in Science. The problems are listed below.

- Introduce the lesson
- Use of Action verb
- Use of appropriate teaching aid
- Choosing appropriate content size
- Preparing questions
- Connecting the content with previous knowledge
- Connection between the points of teaching
- Asking developing questions

Introduce the lesson in front of students is a tough job for the trainees of science subject. Always they ask some questions to introduce the lesson and no newness is seen in this part of lesson plan. Use of action verb is very important in preparing the lesson. These always direct the teacher for delivering the lesson so that the learning of students can be happen in a linear way. Choosing appropriate

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content size and making the connection of new content with the previous knowledge is also an important part of teaching science but the trainees also feel difficulty in these works. These need proper planning of delivering the content and thorough reading of the text books. Asking questions is an important art of teaching and for the trainees there is a need to practice as they are feels difficulty in preparing and asking the questions to the students.

- ii) **Objective 2:** To find out the possible causes faced by the B.Ed. trainees of G.G.V. during their lesson plan preparation in science subject.

The problems and the reasons for arriving those problems are listed in the table no 1.

Sl. No.	Problems	Reasons
1	Introduce the lesson	<ul style="list-style-type: none"> ➤ They don't read the text thoroughly and carefully and as a result they are unable to understand the content. ➤ Lack of thinking/understanding about the content.
2	Use of Action verbs	<ul style="list-style-type: none"> ➤ As they do not categorize the objectives into different levels. ➤ Before starting they don't read carefully the use of action verbs.
3	Appropriate content size	<ul style="list-style-type: none"> ➤ They don't think about the possibilities which can happen in the classroom. ➤ Lack of proper planning ➤ Lack of Self-Assessment. ➤ They don't think from the students' point of view. ➤ Unable to pick up those points which may take more time to explain.
4	Teaching aid	<ul style="list-style-type: none"> ➤ They only taught by traditional teaching method. ➤ Time constrain during their internship. ➤ Motivational factor. ➤ Economic.
5	Managing the teaching	<ul style="list-style-type: none"> ➤ Lack of practice ➤ Lack of effort
6	Preparing questions	<ul style="list-style-type: none"> ➤ Lack of reading the pedagogy book.
7	Connecting the content with previous knowledge of the students	<ul style="list-style-type: none"> ➤ Unable to understand the students' mental level.
8	Connection between the points of teaching	<ul style="list-style-type: none"> ➤ Lack of thinking about lecture delivery. ➤ Lack of interest in teaching. ➤ Lack of reading the content. ➤ Lack of concentration in planning.
9	Asking developing questions	<ul style="list-style-type: none"> ➤ Lack of awareness regarding developing questions.

From table no. 1 we can say that if we the teachers focus on the problems which are pointed out then it will be possible to help the B.Ed. trainees to prepare the lesson plans in science.

Objective 3: To find outtheways of improving their lesson plan in Science.

➤ **Role of teacher:**

- Explain the meaning and use of action verbs and developing questions at appropriate place.
- They can provide a model lesson plan.
- They should encourage the B.Ed. trainees for reading more and thinking creatively in the time of preparing lesson plan of science properly.
- By correcting the plan and give proper feedback.

➤ **Role of students:**

- Take lesson plan as a serious thing.
- Give more concentration in appropriate planning.
- Take remarks in a positive ways so that the lesson plans can be improved.
- If not understood the content, read the content so many times.
- Before entering into the classroom practice the lesson in front of the mirror for becoming more confident.

As lesson plan preparation is an important part for delivering the lesson for a science teacher and for the trainees it is little bit difficult as it is new to him/her. So there is a need to teach and learn by the teacher as well the student as well.

Conclusion:

From the above result it can be concluded that the B.Ed. trainees of GGV are facing so many problems in preparing their lessons and because of preparation problem they shows less confidence during delivering the lecture. As it is a central university and as we always focus on developing good trained teachers and as being a teacher or a mentor if we show our little effort in removing the errors and give proper feedback to our future teachers then only we will be able to produce good, confident and devotee science teachers which is very necessary at the present era.

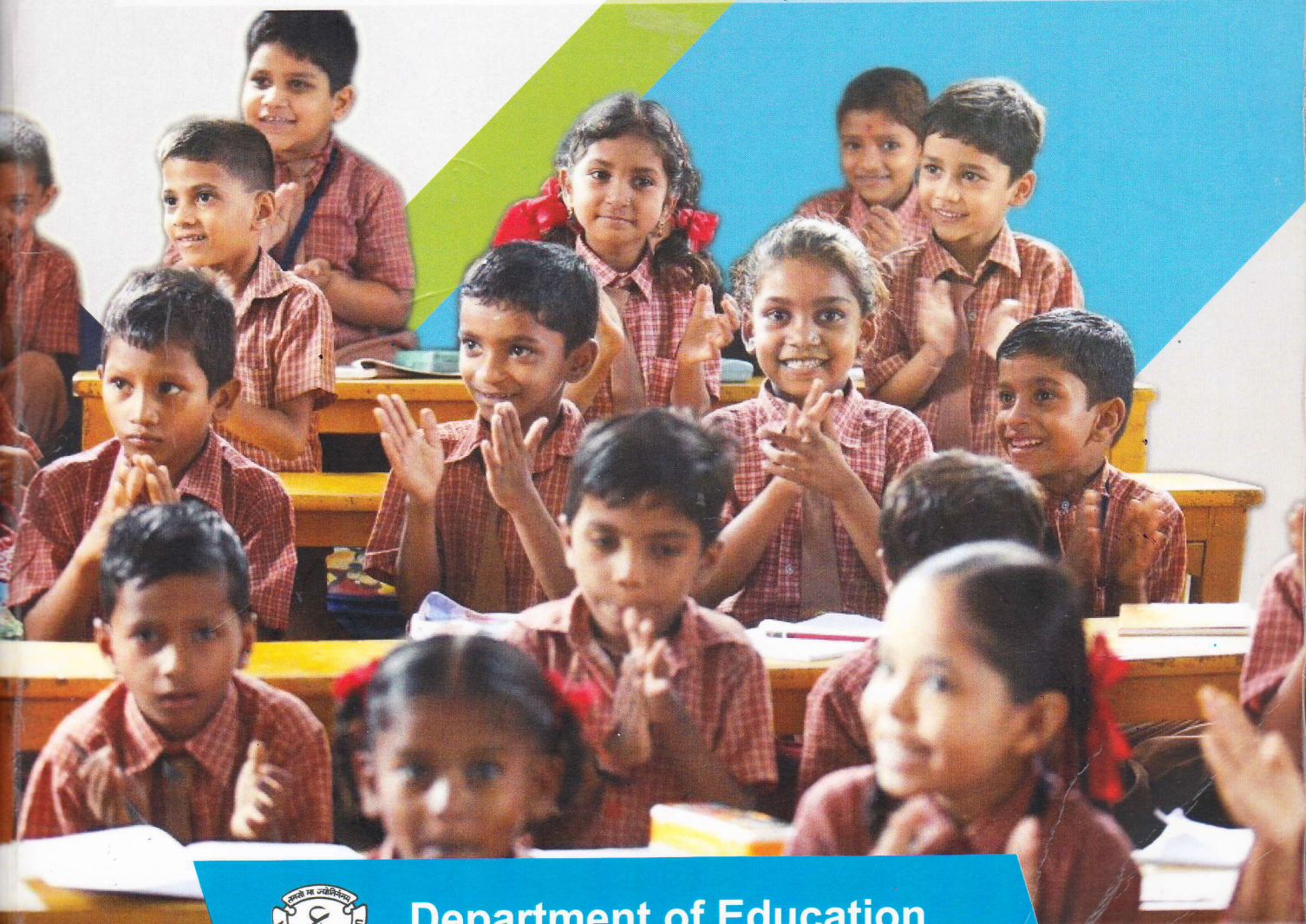
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