



Development and Tryout of Self Learning Material on Teacher in Society

Dr. Narendrasinh Pratapsinh Gohil

Assistant Professor

V.T.Choksi Sarvajanic College of Education

Near Lal Bungalow, Athwalines

Surat-395 007, Gujarat, India

M. 919426363759, E-mail: npgohil74@gmail.com

ABSTRACT

The purpose of this research was to develop the self learning material on Teacher in Society and tryout it on trainees of Education College. The researcher has been teaching this unit to trainees for a long time. The self Learning material was prepared by reading 52 books on this unit. It was tryout on 51 trainees who were the trainees of college of Teacher Education where the researcher has been teaching for 15 years. Three days workshop was arranged to experiment the self learning material. Pre test was given in the first session to check the previous knowledge, than the printed self learning material which was developed by the researcher on Teacher in Society was given for the study. The researcher was the facilitator during the work shop. The post test was given to the trainees in the last session to know the learning outcomes. It was experimental research and Single group pre-test post-test design was used. It was found in the result that the average score of pre test was 05.18 and the average score of post test was 43.22. There was significance difference between the mean score of pre-test and post-test. It clearly indicated that printed self learning material which was developed on Teacher in Society was effective.

Keywords: Self Learning Material, Teacher in Society

Development and Tryout of Self Learning Material on Teacher in Society

Dr. Narendrasinh Pratapsinh Gohil

Assistant Professor

V.T.Choksi Sarvajanic College of Education

Near Lal Bungalow, Athwalines

Surat-395 007, Gujarat, India

M. 919426363759, E-mail: npgohil74@gmail.com

INTRODUCTION

The unit Teacher in Society is taught so that the trainees can better understand the role of the teacher in the society. The researcher has been teaching this unit to trainees for years. During the Teaching-Learning process it was noticed that there is a dearth of self-study material on this unit. The self learning material which was developed on the unit Teacher in Society is the result of this thinking. The researcher wanted to test this material on trainees. The principal gave permission to arranged work shop to implement the self-learning material. The trainees were also curious to know the role of teacher in Society. This research was the result of systematic effort which was done on that direction.

Objectives:

1. To develop the self learning material on Teacher in Society
2. To tryout the self learning material on Teacher in Society and to study its effectiveness.

Hypothesis:

There will be no significance difference between mean score of pre-test and post-test on self learning material on Teacher in Society which will given to the trainees of Teacher Education College.

Review of Literature

The Research work which was done on Self learning was reviewed to give the final touch to this study. The researcher reviewed many research reports: Hegde (2014), Basu(1973), Barad(2010), Bharathi(2011), Desai(2004), Joel(2004), You-Jin(2009), Khirwadkar(1998), Leonard(1999), Naik(2003), Panchal(2007), Patel(2006), Patel(2008), Rothman(2000), Sonvane(2004) and Gohil(2020) in which were self learning material was developed and tried out. Based on these previous researches, it was easy to outline the research design. This study also helped a lot in the development of Self learning Material on Teacher in Society.

EduInspire-An International E-Journal (Peer Reviewed)

Research Design:

It was experimental research. The research design was single group pre-test post-test experimental design.

Sample:

A purposive sample was selected for this small study. 51 trainees of College of Teacher Education was the sample of this research.

Tools:

1. Printed Self Learning Material on Teacher in Society

Printed Self Learning Material on Teacher in Society was developed which was divided in 7 sub topics- 1.Teaching as a Profession, 2.Teacher as an agent of Social Change in the society, 3.Challenges in Teaching Profession, 4.Real Life Stories of Effective Teacher, 5.Skills required in 21st Centaury Teachers, 6.Code of Conduct of a Teacher and 7.Role of Teacher in Online Education. The printed material was in a book form. It was self made tool.

2. Test

- a. The teacher made test which were used in pre test and post test was developed to know the trainees' achievement score on Teacher in Society.
- b. There were 50 multiple choice questions which contained 50 marks in the test. The test which was developed to know the trainees' achievement score on Teacher in Society was used in pre test and post test.

Research Design

Step	Sessions detail	Time
1	Pre-Test	45 Minutes
2	Implementation of Printed Self Learning Material Printed Self Learning Material which was developed on Teacher in Society which was divided in seven chapters was given to the trainees for study. The seven chapters were as follows: 1. Teaching as a Profession, 2. Teacher as an agent of Social Change in the society 3. Challenges in Teaching Profession 4. Real Life Stories of Effective Teacher 5. Skills required in 21 st Centaury Teachers 6. Code of Conduct of a Teacher 7. Role of Teacher in Online Education. The researcher was facilitator during the sessions.	7 hr.
3	Post test	45 Minutes

Data Collection:

The pre test was given to the trainees in the first session of the work shop to know their previous knowledge regarding Teacher in Society. After that printed self learning material was given. Seven hours were given to the trainees to study and discuss the printed self learning material. The researcher was facilitator during this time. The post test was given in the last session. The trainees responses were recorded in answer sheets which were examined properly and marks were given them according to their answers. The researcher collected the research data in this way.

Data Analysis:

The collected research data was statistically analysed. The statistical function Mean, Standard Deviation and T-test were used for data analysis.

	Number of trainees	Mean	S.D.	T-test
Pre- Test	51	05.18	3.88	Significant at 0.01 level 09.45>2.58
Post- Test	51	43.22	5.27	

Result

It was found in the result that the mean score of pre test was 05.18 and the mean score of post test was 43.22. The difference between the mean score of pre test and post test was 38.04. It clearly indicated that printed self learning material which was developed on Teacher in Society was effective.

Discussion:

An experiment was done in this research to teach through Self Learning Material. This study proved that the printed self learning material which was developed on Teacher in Society was effective. Everyone likes change. A teacher should bring change in teaching. Students love such changes. This research points to such a change. Regarding this research, the researcher humbly believes that this study will helpful to those teachers who are interested in developing self learning material. It will be also helpful to the learners who want to know the role of Teacher in Society.

Reference:

- Ashmic Hegde, K (2014) Development and Validation of Computer Based Multimedia Packages for Teaching Biological Science and its Effect on Learning Among Secondary School Students, 280 Karnatak University, Dharwad.
- Basu, M.K. (1973) Effectiveness of Multimedia Programmed Materials in the Teaching of Physics. New Delhi: In M.B. Buch (Ed.) *Second Survey of Research in Education*, NCERT.
- Barad, S.A. (2010) Effectiveness of Computer Assisted Instruction for Science Teaching in Urban Area. *Research Analysis and Evaluation*, 2010, 1(12), 19-21.
- Bharathi Y. K. (2011) Development of Computer Assisted Instructional Material for Remedial Measures in Geometry, *Karnatak University, Dharwad*
- Desai, B.Y. (2004) A Comparative Study of the Efficacy of Teaching through the Traditional Method and the Multimedia Approach in the Subject of Home Science, *A PhD. Thesis*. South Gujarat University, Surat
- Joel K. K. et al. (2004) Effectiveness of a Computer-Mediated Simulations Program in School Biology on Pupils' Learning Outcomes in Cell Theory. *Journal of Science Education and Technology*, 13 (2).
- You-Jin Seo (2009) Analysis of Studies of the Effects of Computer-Assisted Instruction on the Mathematics Performance of Students with Learning Disabilities. *Computers and Education Archive*, 53, (3), Elsevier Science Ltd. Oxford
- Gohil, N.P. (2020). Development and Tryout of E-content on Gandhiji's Educational Contribution, C.T.E. Publication, Surat.
- Kariya, L.H. (2001). Effectiveness of Computer Assisted Instruction as a Self Learning Strategy. *Abstract of Educational Research (1978-2006)*. Rajkot : Saurashtra University.
- Khirwadkar, A. (1998). Development of Computer Software for Learning Chemistry at Standard-11. *An unpublished PH.D. thesis*, Vadodara : CASE, The M.S. University of Baroda.
- Leonard, J. K.(1999). Effect of Traditional Vs Contract Activity Packaged and Programmed Learning Sequenced Instruction on the sort and long term Achievement and Attitudes of seventh & eighth grade general music students. *Dissertation Abstracts International*. 63,1,1999.
- Naik, D. H. (2003). Development and Tryout of Computer Based Multimedia Package for Computer

EduInspire-An International E-Journal (Peer Reviewed)

- Based Learning. *An unpublished Ph. D. thesis*, Rajkot : Saurashtra University.
- Panchal, G.A.(2007). Development and tryout of Self Learning Mate- rials and English Subject on the Unit of Active and Passive voice for the Students of Standard-11. *Unpublished Ph.D. Thesis*, Surat : Veer Narmad South Gujrat University.
- Patel, (2006). Developing and trying out of Multimedia Package in the Subject of Economics at Higher Secondary Level. Unpublished thesis of Veer Narmad South Gujarat University, Surat.
- Patel, K.B. (2008). Computer Assisted Insruction in Physics for the Students of Class XI : An Experimental Study. *Indian Educational Abstracts*, Vol, 8, 1, p-49.
- Rothman, Alan H.(2000). The Impact of Computer Based Versus ‘Traditional’ Textbook Science Instruction on selected Student Learning Outcomes. (Temple University). In : *Dissertation Abstracts International*, 61, 3. September, 2000. p.938-A.
- Sonvane, J. R. (2004). Evolving a Multimedia Package Based on Learning without Burden in the Subject of Sanskrit for Standard-5, Unpublished thesis of South Gujarat University, Surat.

Paper Received : 15th October, 2022

Paper Reviewed : 30th December, 2022

Paper Published : 1st January, 2023

CTE