



HOW EFFECTIVE THE PUPPETRY SHOWS IN IMPROVING LANGUAGE AND MATHEMATICAL FLUENCY AMONG THE STUDENTS?

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Abstract :

Puppetry is an ancient art form of theater that dates back to the 5th century BC. This research expounds on how effectively puppetry can be used in teaching to arouse interest as well as improve late bloomers. The result of practical research is given in this paper, and a model of teaching 3rd table is explained. The need to rejuvenating the dying art is also expounded in this article.

INTRODUCTION:

The National Educational Policy of Government of India enunciated by the Ministry of Education has clearly stated that education level improves remarkably only when the students undertook their studies using their mother tongue and learning by doing that means the practical experience is the need of the hour. The pandemic period from 2020-2021 has helped both the teachers and students to teach and learn using electronic devices like Mobile phone (Smart) and Laptops and Personal computers. Students were in a position to see the teachers lively and were able to follow the subject, content and sequences of explanation given properly i.e., because of seeing the screen. Moreover NEP wants to bring back the traditional form learning which happened during the older times in Gurukul system of education where everything was taught by practicality. Guru used to stay in the middle of the forest and students used to stay in his ashram and learn the art of language(s) warfare, administration etc. help the Guru to run his family life by fetching fruits available in the forest and food items.

When the freedom struggle got the momentum against the Britishers in India, among the rural masses, street plays and puppetry shows have created not only a sense of awareness about the importance of freedom but also motivated the people actively take part in the freedom struggle. When puppetry shows made illiterate masses to understand clearly, we thought why not we use puppetry shows among the students. At that time only, Mr.Prabakaran, who is doing his Doctorate Degree, came with the idea of using puppetry shows during the academic year 2019-2020 at ONGC Public School, Neravy, and Karaikal. As a Principal of the School I gave permission to him to undertake the case studies and the results are given below.

OBJECTIVES OF THE CASE STUDY

1. To ascertain how far learning improves using puppetry among students of grade 1 and 2 languages and
2. To ascertain how far understanding of mathematics improves among the students of grades 3.

METHODS AND MATERIALS:

We have undertaken three case studies among the students who were studying in 1st, 2nd and 3rd respectively for languages and mathematics (for 3rd standard students) during the academic year 2019-2020 at ONGC Public School, Neravy, Karaikal in order to ascertain how far learning improves using puppetry. We have selected ten students who were unable to use their fluency in both the languages viz., English and Tamil in each classes and equal number of students who can use their fluency effectively. Puppetry has been displayed among the students by the teachers who were given enough training in how to use puppets for explaining syllables and uses of the language while communicating during the academic year 2019-20 and the results are given in Table 1 and Table 2.

Table 1 shows percentage score levels improvement among students of Grade 1 in languages.

Language	Dull students (Case)	Improvement After puppetry shows	Bright students (Control)	Improvement After puppetry shows
English	25%	38%	68%	80%
Tamil	35%	47%	75%	90%

Table 1 clearly portrays that using puppetry in teaching the languages has definitely helped in improving among the dull students to the tune 13% in English and 12% in Tamil (as Mother tongue Tamil is the 2nd language whereas among the bright students 12% and 15% in English and Tamil respectively).

Graph 1

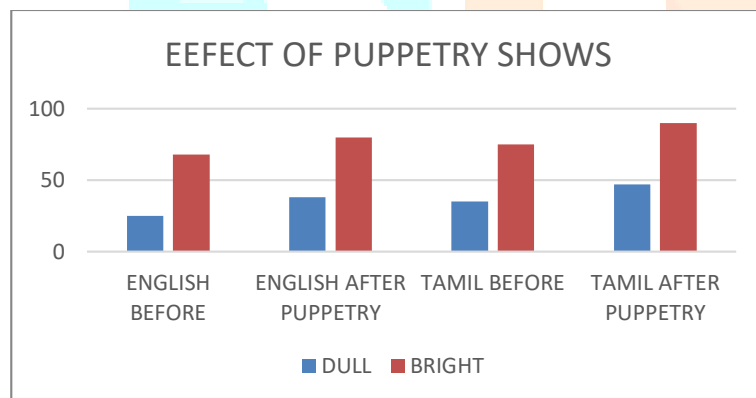
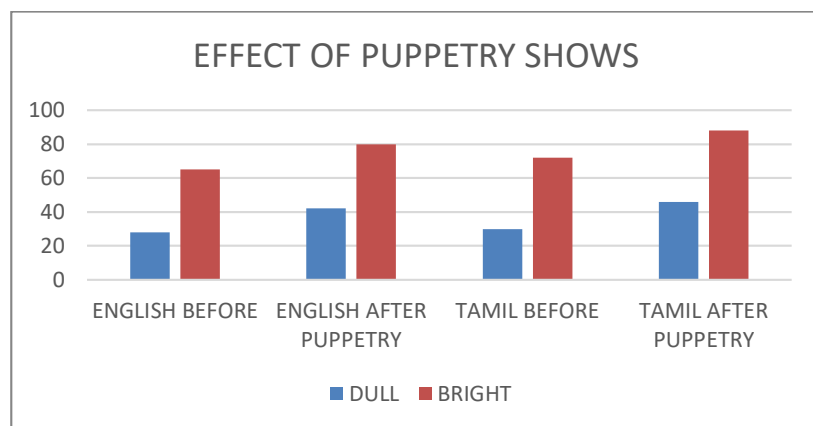


Table 2 shows percentage of score levels improvement among Grade-2 students in languages.

Language	Dull students (Case)	Improvement After puppetry shows	Bright students (Control)	Improvement After puppetry shows
English	28%	42%	65%	80%
Tamil	30%	46%	72%	88%

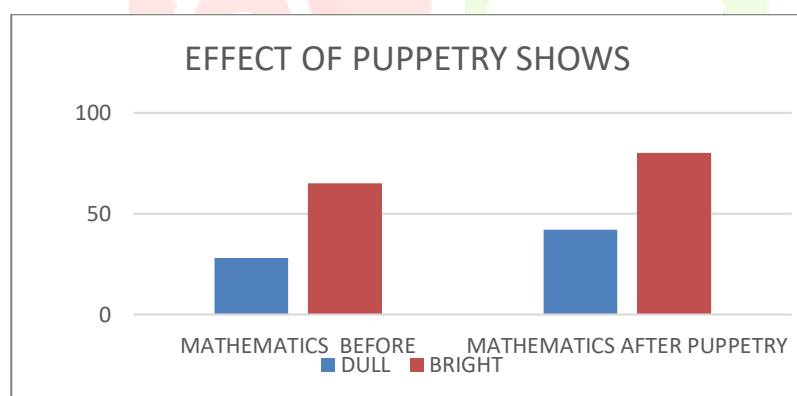
Table 2 clearly portrays that using puppetry in teaching the languages has definitely helped in improving among the dull students to the tune 14% in English and 16% in Tamil (as Mother tongue Tamil is the 2nd language whereas among the bright students 15% and 16% in English and Tamil respectively).

GRAPH-2**CASE STUDY 3.**

To validate how far the puppetry helps in improving the understanding capacity of the concepts taught in mathematics we have undertaken the case study among the students of Grade 3 only. We have selected ten students who were unable to understand mathematical concepts taught in the class and equal number of students who were bright and could understand the concepts very clearly. Puppetry has been displayed among the students by the teachers who were given enough training in how to use puppets for explaining mathematical concepts during the academic year 2019-20 and the results are given in Table 3.

Table 3 shows percentage score levels improvement among students of Grade 3 in understanding of mathematical concepts.

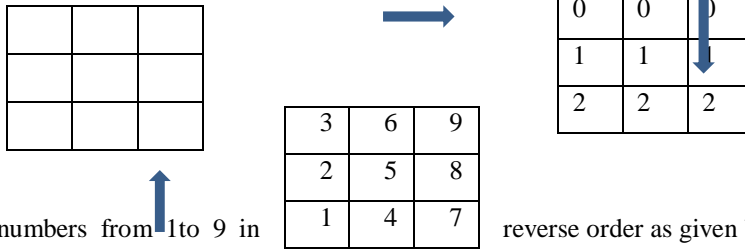
Language	Dull students (Case)	Improvement After puppetry shows	Bright students (Control)	Improvement After puppetry shows
Mathematics	18%	32%	75%	93%

GRAPH 3.**CONCLUSION:**

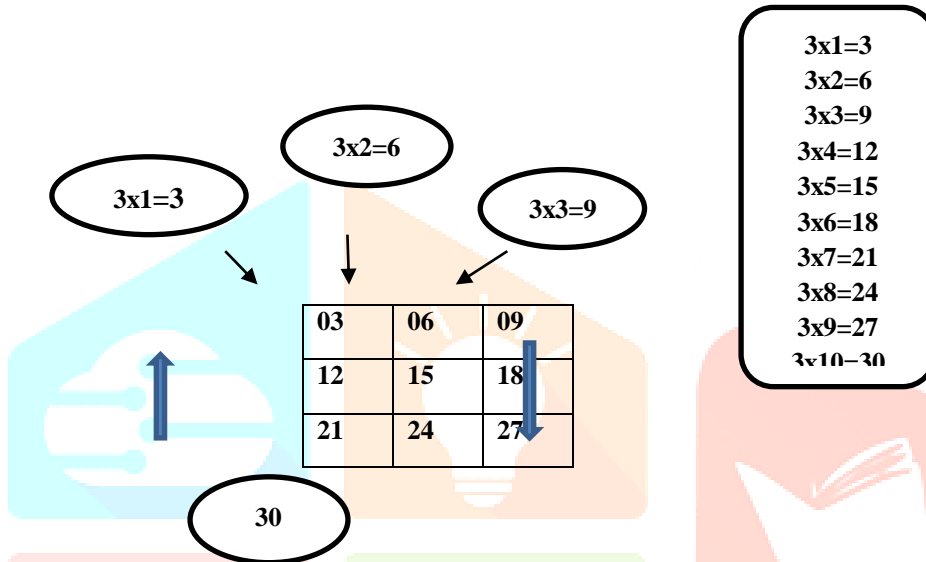
As discussed in the paper the case control study undertaken by Mr.A.Prabakaran among the students of Grades 1 & 2 in Languages and Mathematics among the students of Grade 3. The usage of puppet in explaining the syllables in the languages (both Tamil and English) had reached dull students more effectively than the traditional method of using chalk and talk. It is true that learning by doing and seeing is believing proved to be correct for ensuring even the dull students to improve their language communication more efficiently and it was very evident in the Tables 1 & 2. As far as understanding of the concepts in Mathematics among the students of Grade 3 has shown remarkable improvement and the results have clearly enumerated it. The only constraint is the requirement of proper training for all the teachers in the usage of puppetry. Puppetry is an art which cannot be done easily by each and every one.

Appendix

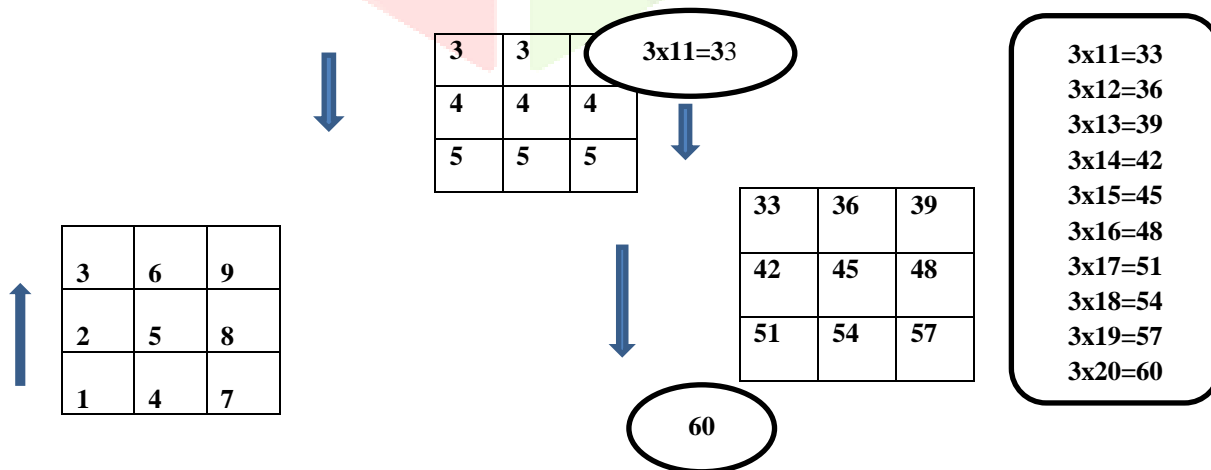
I taught 3rd table in a simple method. I drew by 3 by 3 square table as given below.



Then I wrote numbers from 1 to 9 in reverse order as given below.



Then I wrote 0 in all the first box, 1 in all the second box and 2 in all the third box as given below. And number 30 is the last number. In the same way easily. I made the children to calculate up to number 20. As I wrote 0,1,2 the next step I write 3,4,5 as given below



I have taught 3rd table for the students Grade 3 and they were able to understand the table very clearly.