

## Positive effects of multimedia on the early education (3-6)

*Singh Shilpa<sup>1</sup> & Mishra Sunita<sup>2</sup>*

*M.Sc. Student<sup>1</sup> & Professor<sup>2</sup> (Dean & Head)*

*Department of Human Development & Family Studies*

*School for Home Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow-226025*

**ABSTRACT:** Multimedia is a term commonly heard among educational setup. Multimedia are compulsory for an education in many ways for developing thinking, effective communication, solving questions, , curiosity and interest. In this study to identify positive effects of multimedia on the child's education (3-6).The study was conducted in the year 2013 in Lucknow city. The main area selected for the study was Alambagh. In this area selected five mohllas. A total of 120 Pre-primary and primary teachers (respondents) were selected for the study. Random sampling method was used for sample selection and self made questionnaire schedule was used for data collection. t test used in research for data analysis. The results revealed that the multimedia can encourage children's to learn new things and motivate to do things in own way. Multimedia has quality to increased children's knowledge and communication skills in positively.

Keywords: Positive effects; Multimedia; Child education; Learning; Communication.

### INTRODUCON

Multimedia instruction should be more effective than classroom lecture. Multimedia may be effective because it improves students' attitudes toward the learning material. Instruction using multimedia information presentation appears to be a potential learning advantage compared to traditional classroom instruction. (Lawrence, 1995) Multimedia presentations are engaging because they are multimodal. (Reeves, 1998) Multimedia increased independence, decision making, and consolidation of children's prior knowledge, critical literacy and specific number and language concepts in the students. (Libby, 2006) multimedia makes teaching learning process more effective and successful. (Suleman, 2011) The use of early years has the potential to enhance educational opportunities for young children. Multimedia can be applied in a developmentally appropriate manner to encourage purposeful and exploratory play. It can encourage discussion, creativity, problem solving, risk taking and flexible thinking, and this can all be achieved in a play centered and responsive environment. (Rout & Rout, 2011) Multimedia enhance skills related to creative expression and aesthetic appreciation painting, drawing can be done in computer instead of paper and color pencil. Sensitivity towards beauty can be

encouraged by PowerPoint presentation showing beautiful collections of birds, flowers, animals. (Khamrang, 2011) Different types of multimedia devices and their positive influence are highly significant on children's academic performances and all round development. (Singh, 2013)Multimedia devices have capabilities to improve early education in interesting way. (Singh, 2013)

### OBJECTIVE OF THE STUDY

To identify the positive effects of multimedia on the early education(3-6).

### RESEARCH METHODOLOGY

The study was conducted in the year 2013 in Lucknow city. The main area selected for the study was Alambagh. In this area five mohllas were selected i.e. Pawanpuri, Kailaspuri, Geetapalli, Krishnapalli and Sujanpura. A total of 120 Pre-primary and primary teachers were selected for the study. Random sampling method was used for sample selection and self made questionnaire method was used for data collection. After data collection, the data were tabulated in Microsoft excel and analysis was done by using frequency, percentage and t-test through SPSS (20<sup>th</sup> version).

### RESEARCH FINDINGS AND DISCUSSION

Table.1- Mean, SD and f-value of positive effects of multimedia on the early education (3-6) based on respondents

Variable	Graduate		P.G.		other		f - value	Sig
	Mean	SD	Mean	SD	Mean	SD		
Do you know about multimedia.	.74	.445	.85	.358	.89	.315	1.367	.259
Do you know about multimedia elements (text, audio, video, graphics, and animation).	.58	.502	.70	.460	.61	.497	.836	.436

Animated video makes education easy.	.97	.180	.70	.460	.29	.460	21.003	.000***
Use of graphics makes education more interesting.	1.00	.000	.70	.460	.68	.476	6.627	.002*
Educational videos based on real life situations so will increase children's understanding.	.90	.301	.75	.434	.57	.504	4.544	.013*
Animated stories are simple, clear and easy to understand.	1.00	.000	.75	.437	.36	.488	20.243	.000***
Using multimedia in classroom is helpful for interaction between student and teacher.	.55	.506	.75	.434	.18	.390	16.136	.000***
Multimedia helps in communicating to large no. of students in class.	.52	.508	.59	.496	.64	.488	.490	.614
Children enjoy education including multimedia elements.	.42	.502	.48	.504	.68	.476	2.276	.107
Multimedia provides equal education in creative way for all types students.	.87	.341	.61	.493	.39	.497	8.058	.001***

( $p < 0.05^*$ ) & ( $P < 0.001^{***}$ )

The above table shown high significance differences in animated videos makes education easy, animated stories are simple, clear and easy to understand, using multimedia in classroom is helpful for interaction between student and teacher and multimedia provides equal education in creative way for all types students. Significance differences were found in use of graphics makes education more interesting and educational videos based on real life situations so will increase children's understanding. No significance differences were shown in the do you know about multimedia, do you know about multimedia elements (text, audio, video, graphics and

animation), multimedia helps in communicating to large no. of students in class and children enjoy education including multimedia elements.

## CONCLUSION

The results show the multimedia makes child's education interesting. Multimedia materials based on real life situations. There is significant differences show in positive effects of multimedia on the knowledge of children's. Multimedia provides many options for learning in creative way and increased interaction among students and teacher. Students enjoyed education which includes multimedia for creations.

## ACKNOWLEDGMENTS

I would like to acknowledge the guidance and support of **Professor Sunita Mishra, Dean and Head , Department of Human Development and Family Studies, School for Home Science, B.B.A.U. Lucknow**, who served as my Advisor and Mentor throughout my research, nurtured my capabilities and infused my research with scientific rigor and taught me to approach investigation with good question, great determination, sound methods and the thrill of discovery. It is a matter of great privilege for me to work under the highly exceptional guidance and excellent supervision of her. I express my profound gratitude to her, for her scholarly Guidance, Experience, Inspiration, Encouragement and Support. I am so fortunate that I got an opportunity to work under her energetic and constant supervision.

## REFERENCES

- [1] Lawrence J. Najjar, (1995). Review of the fundamental effects of multimedia information presentation on learning, school of psychology and graphics, visualization and usability laboratory. Georgia Institute of Technology. Atlanta. GA 30332-0170 [gt4708d@prism.gatech.edu](mailto:gt4708d@prism.gatech.edu)
- [2] Reeves C. T. (1998). The Impact of Media and Technology in Schools. The University of Georgia. A Research Report prepared for The Bertelsmann Foundation.
- [3] Lee, L. & Rourke, O.M. (2006). Information and communication technologies: transforming views of literacies in early childhood settings. ISSN. 26(1). 46-62.

- [4] Khamurang, A. R. (2011). The role of ICTs in enhancing the quality of preschooler education concerns and issues. RIE. NCERT. Bhubaneswar. Odisha. 123- 127. [.www.riebbs.ori.nic](http://www.riebbs.ori.nic)
- [5] Rout, K. R. & Raout, M. (2011). The role of ICT in early childhood education. RIE. NCERT. Bhubaneswar. Odisha. 120-122. [www.riebbs.ori.nic](http://www.riebbs.ori.nic)
- [6] Singh, S. & Mishra, S. (2013). A study about role of multimedia in early childhood education. International journal of humanities and social science invention. 2(6). 80-85.
- [7] Singh, S. & Mishra, S. (2013). A study about role of multimedia in early childhood education. Lap Lambert Academic Publishing. ISBN: 978-3-659-47127-8. 1-5
- [8] Singh, S. & Mishra, S. (2016). Positive Influence of the Multimedia in Primary Education. The International Journal of Indian Psychology. Vol.3 (2), pp. 179-183.
- [9] Suleman, Q. (2011). Role of educational technology at Primary School Level in district Karak (KHYBER PUKHTUNKHWA). International Journal of Academic Research in Business and Social sciences. 1(3). 85-94.

\*\*\*\*\*