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

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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.

INTRODUCTION
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 (20th 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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Graduate</th>
<th></th>
<th></th>
<th></th>
<th>f-value</th>
<th>Sig</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mean</td>
<td>SD</td>
<td>Mean</td>
<td>SD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Do you know about multimedia.</td>
<td>.74</td>
<td>.445</td>
<td>.85</td>
<td>.358</td>
<td>1.367</td>
<td>.259</td>
</tr>
<tr>
<td>Do you know about multimedia elements (text,</td>
<td>.58</td>
<td>.502</td>
<td>.70</td>
<td>.460</td>
<td>.836</td>
<td>.436</td>
</tr>
<tr>
<td>audio, video, graphics, and animation).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
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.

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REFERENCES


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