

Role of home education resources in the skill development of learning

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Abstract

In the last 5 decades, the electronic revolution has augmented the pedagogy of teaching drastically. There are numerous outcome of the electronic revolution but some have taken place as necessary tool of learning. With the augmentation of the hardware and software dedicated for the teaching, the Home Educational instruments have proven out to be the important add-on. The trend of using these items for educational purpose has become requirement of school going students. Their presence indicates the relative importance of education to the family, although this also may be reflective of the wealth of the home.

Keywords: Home educational resource, quality management, Student performance, innovative technology

1. Introduction

For students to be successful from birth through adolescence there must be an array of learning support around them. The family seems to be the most effective and economical system for fostering and sustaining the child's development. Without family involvement, intervention is likely to be unsuccessful, and what few effects are achieved are likely to disappear once the intervention is discontinued.

Innovative learning is based on the teachings adds. Introduction of electronic accessories have changed the scenario completely. Now the teachers are teaching the skills to students that how to adopt the teaching adds as a part of your learning method and continue learning in the home or outside the school also. In present era the opportunities are equally open outside the class room also for the learning and teaching both. Personal Computers, Mobile, Tab, CD, DVD, Pen Drive, portable secondary memories are so easily available making learning opportunities open domestically. Information by way of Web TV's, Net PC's and Web-based education is a resolution within itself for the knowledge seeking. The browsers such as Internet Explorer, Netscape, Mozilla, Chrome etc. have made the virtual teacher ready in the shape of a search engine all the time in just one click only. Innovative technologies have provided new dimensions to home teaching-learning. The concepts of learning have undergone rapid change, as in present days teacher is not the only source of knowledge. Home based e-learning material or e-content can be of various forms: audio video program, programmed learning material, computer based learning programs, web-pages and multimedia rich interactive CD-ROM. Learning material based on instructional design theories and psychological principles of learning with inbuilt components of e-content which would facilitate self-paced independent learning is the need of the hour.

The educational resources calculator, computer, TV/video game study based CD, DVD, smart phone have become common at homes. These resources are playing important role as supportive system for the candidates in order to learn the subjective contents. Use of such items made study easy, and

help to explain about basic principles. Various types of educational toys, electronic toys are available. Use of these equipments regularly at home is advantageous for students because after using such things they enter in secondary learning, they have to develop further vision. These resources help to educational institutes to manage quality of institute.

2. Methodology

A survey was carried out with students studying up to 11th class. Total 160 students of 6 schools were selected randomly. Data is classified according to age group of students as student of 6 to 9 year, 10 to 12 year, 13 to 15 year, and 16 to 18 years. Questionnaire was provided to students containing questions related to study method at home.

3. Findings

The trends related to the students at the primary and secondary level education have changed remarkably. Most of the students reported that they had educational resources in their homes. Use of mobile phones, internet, computer are common. Newspaper, Magazines, Documentaries are important home resource educator. These resources are commonly using by students for other purpose but they are learning concepts of working principles by use of these items.

Whereas in the previous time, most of the students were conventionally domestic dependent, now the students are in reach to electronic items such as calculator, smart phones and other electronic gadgets. Computers are primarily the focus of the scholars, although it widely depends on the economic status of the family.

The survey result in nutshell depicts that the source of information has now shifted widely. As earlier, the dependency was mostly on the school teacher and parents, the dependency on data shows students use many things commonly. Use of educational resources at home upgrades their knowledge which is important part of quality management and support positively in quality management of institute.

Table 1

Item	User student (%)			
	6-9 year age	10-12 year age	13-15 year age	16-18 year age
Calculator	63	82	91	96
TV	86	91	95	96
CD/DVD	71	75	78	84
Video game	54	62	68	52
Musical instruments	33	41	44	54
Mobile phone	54	61	81	88
Internet connection	21	27	43	49
Computer	4	9	23	32

Source: Data received from questionnaire from Schools

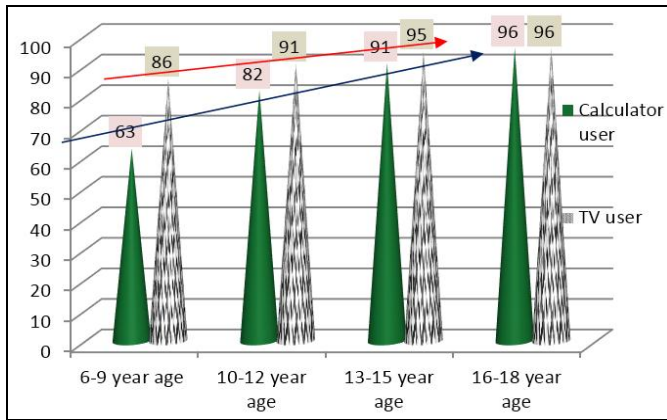


Fig 1: Calculator, TV user as Home Educational Resource at different age level in (%)

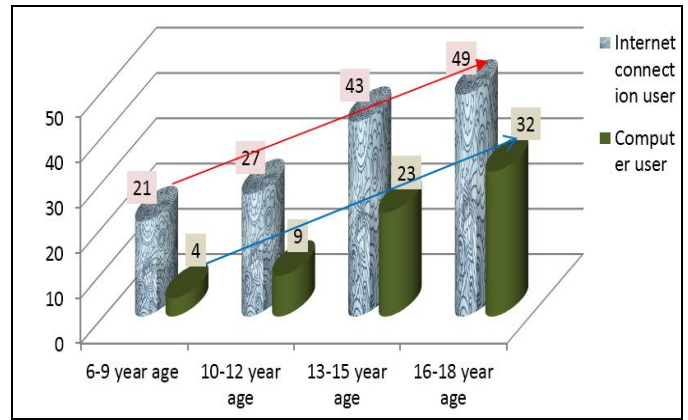


Fig 4: Internet connection user/Computer user as Home Educational Resource at different age level in %

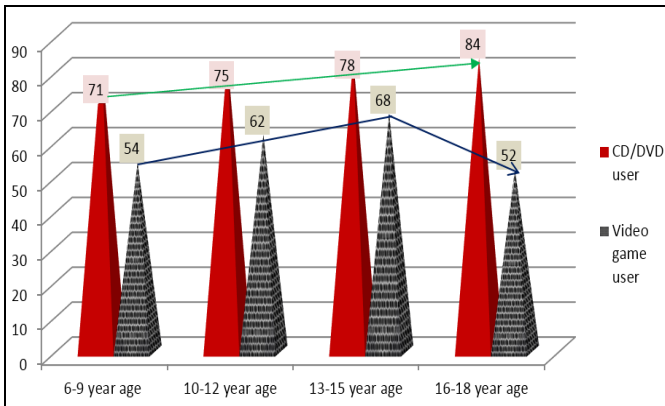


Fig 2: CD/DVD, Video game user as Home Educational Resource at different age level in (%)

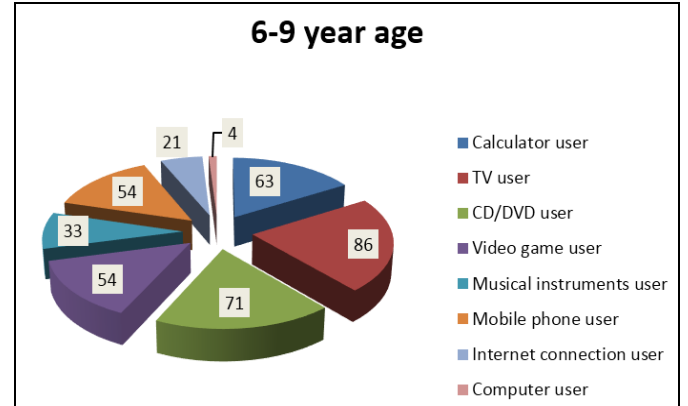


Fig 5: Use of various Home Educational Resources by 6-9 years age students in (%)

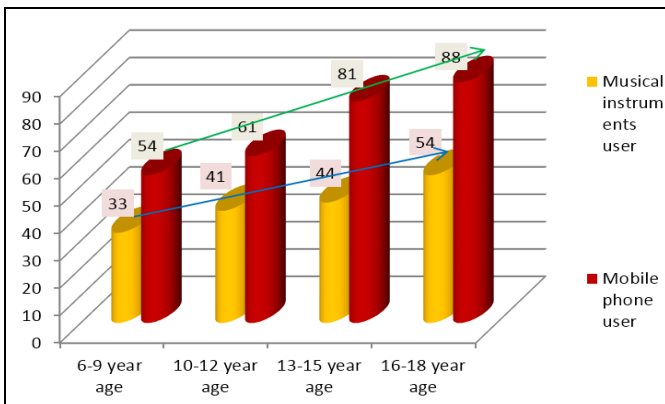


Fig 3: Musical Instruments / Mobile Phone user as Home Educational Resource at different age level in (%)

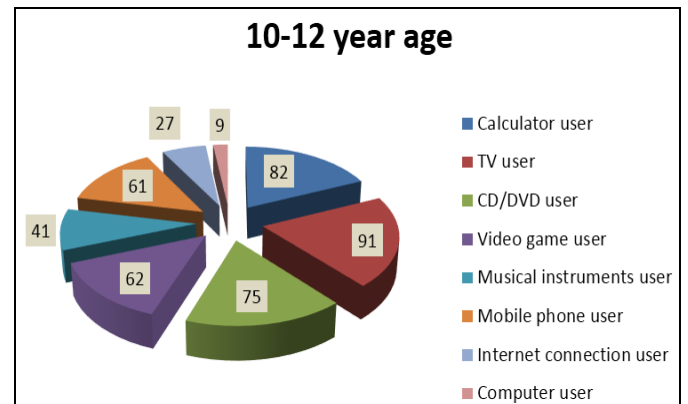


Fig 6: Use of various Home Educational Resources by 10-12 years age students in (%)

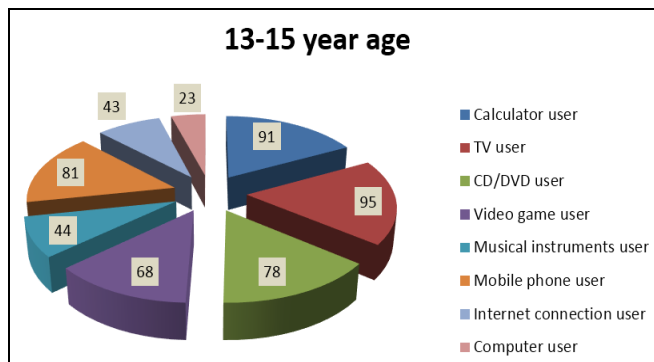


Fig 7: Use of various Home Educational Resources by 13-15 years age students in (%)

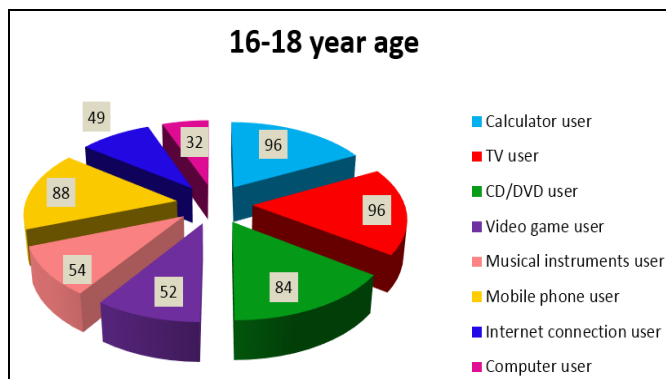


Fig 8: Use of various Home Educational Resources by 16-18 years age students in (%)

4. Analysis

Collected data is compared according to age group and resource wise and shows that students of 16-18 years are depend on calculator as 96% are using it. Only 63% students belonging 6-9 years age, use calculators. TV is proved as most useful learning resource as it is using by all age groups its users are 86% to 92% from 6-9 year age to 16-18 year age. Educational CD/ DVDs are also using by students. Age wise comparison indicates user % for 6-9 year age is 71, for 10-12 age 75%, for 13-15 years 78% and 84% are users found belonging 16-18 years age. Video game user are 52 - 68%, musical instruments are used by 33- 54%. Mobile phone user % is increasing with increasing age. In the age group 6-9 year students mobile user are 54% while in the age group 16-18 years student user are 88%. Internet user trend is also increasing with the increase of age. Internet user % varied from 21% to 49%. Computer user is less for 6-9 year students as user % is 4 and for 16-18 year age is 32%. Student feedback reports that due to technical advancement, due to information technology revolution students are easily learning tough subjects using these resources. Trend of home learning tools made easy education and helpful in quality management of Institute.

5. Conclusion

The results reveal that home education resources are quite effective in facilitating learning about concepts pertaining to micro-teaching and its components skills, namely skill of stimulus variation, skill of probing questions, skill of explanation and skill of reinforcement among the learners. E-content based on instructional design presentation style,

flexibility and clarity of expression is quite helpful in understanding of the content and acquisition of the teaching skills as well as their effectiveness.

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7. References

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