REVIEW ANALYSES OF THE USE OF TECHNOLOGY ENHANCED EDUCATION IN TEACHING IN SCHOOLS IN MACEDONIA IN ALBANIAN LANGUAGE

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ABSTRACT: The research focus in on reviewing and analyzing the current usage of ICT in teaching in schools in Macedonia in Albanian language. Despite the fact that schools are currently undergoing a rapid development technological some have already completed, are equipped with cabinets and computer labs are supplied with internet, created the platform for teaching electronics, some schools have created web sites their were part of the pilot projects: e-school, e-learning, are supplied with cabinets and contemporary laboratories of many other developments that will impact on achieving the best possible, but teaching by using the benefits that technology provides in most cases is not the desired level, so it is efficient but followed the traditional form despite reforms that are being made. Technology opportunities and resources that schools have available, not rationally utilized and maximized by teachers who should lead these processes. Therefore this research provides insights into most used technologies for teaching that could be beneficial also for other regions as well. The insights and recommendations have been provided and discussed.

Key words: Instructional technologies, technology enhanced education, review of technological opportunities

INTRODUCTION

New technologies are constantly arising and they influence the way how people interact and learn. Recent developments in digital technologies, especially web 2.0 tools such as blogs, wikis and social media, and mobile devices such as smartphones and tablets, have given the end user, the learner, much more control over access to and the creation and sharing of knowledge. This empowers learners, and innovative instructors are finding ways to leverage this learner control to increase motivation and relevance for learners.

Information and communication technology represents one of the main areas in contemporary human life and especially in teaching, is an integral part of his daily activity and aim readiness to deal with the problems of the present and future . Information technology and communication is a continuation and extension of previous knowledge in this field and has to do with the acquisition of knowledge and skills necessary for successful use and independent hardware information technology and communication (ICT), use respective programs can be edited, created, designed and published web pages with various data via internet (Brooker, 2003)

Through this web-pages aim to provide examples of different learning and that these examples and help teachers explanation as students learning through practical examples and easier to understand and become familiar with many more subjects.

In higher education, information and communication technology, has enabled the lectures, seminars and various presentations, exams etc., Held in the form of so-called "online" despite the remoteness of the facility ie there is no reason to justify ourselves in this long-distance educational institutions, so the only condition to be fulfilled is to have communication infrastructure that is appropriate for internet and communication programs.

Use of websites being implemented in all the vital processes as a vital necessity for the development of knowledge worldwide. Even in the sphere of education, as in every area of life, the use of websites has brought about a radical turn in the development of a culture of learning, making knowledge more advanced and more accessible, increase skills conceptual and perceptual students during class, facilitating learning.

All this it enables progress independent development, brings dynamism in teaching / learning, promotes and develops training as communication, mathematics, foreign languages, social studies, programming, design, critical thinking and finding election problems of different nature, use multiple sources etc., for all students.

New Demands of a Knowledge-Based Society

There are several separate factors at work here. The first is the continuing development of new knowledge, making it difficult to compress all that learners need to know within the limited time span of a post-secondary course or program. This means helping learners to manage knowledge - how to find, analyze, evaluate, and apply knowledge as it constantly shifts and grows.

The second factor is the increased emphasis on skills or applying knowledge to meet the demands of 21st century society, skills such as critical thinking, independent learning, knowing how to use relevant information technology, software, and data within a field of discipline, and entrepreneurialism. The development of such skills requires active learning in rich and complex environments, with plenty of opportunities to develop, apply and practice such skills. Lastly, it means developing students with the skills to manage their own learning throughout life, so they can continue to learn after graduation.

Analyses of Web Quests

A Web quest, "according to Bernie Dodge, author of the WebQuest concept," is an activity-oriented in which most or all of the information used by learners is drawn from the web. Web quest are designed for use in leisure, focus on using information rather than looking for it, and to support students in thinking at the levels of analysis, synthesis and evaluation (Condie, et al 2007).

Web Questa are simple websites, where they can be built with any software that allows to create websites. Users of information and communication technology can develop code in Notepad or Notepad ++ is the most advanced, while the used templates that offer p.sh Microsoft platform or OpenOffice. More advanced developing Web software, they are numerous and by combining, but are recognized as Dreamweaver, FrontPage, etc.

There are pages of various websites that are geared specifically to enable the creation of web Questa, as Questgarden, Zunal, Teacherweb, etc., All these allow the teacher to create and modify those for the student to be more understood. These web sites offer less control over the design, but they make the creation process more simple and direct.

Methods for creating web Questa are easier than thought, so always looking to make a web quest but not sure where to start. Therefore, the use of information technology and communication has concrete answers and can make the process easier for the activity in question. Web quest are probably the most talked about activities and widely used web-based nowadays, which are used for constructive approach to learning and a deeper knowledge of specific topics. Through the use of web Questa students are not limited to learning to take only from books, brochures, magazines, etc., From which students would benefit and also used their imagination to solve various problems being detected or established method of easy to use. So, the creation and completion of a quest-Web is a very effective way that students can use the computer. This includes strengthening the two forms and more powerful electronic tools that have recently it is: the Internet and related programs. Web quest is a demanding task for which material should be used that are online and other materials also. Each student has one or more roles and have to use language constantly during operation of the task (Mazrek, 2015).

Communication, teamwork, problem solving, and critical skills and creative thinking are becoming more important in today's world than having students who learn by heart the default content. Web Questa allow

students to seek and find what there is in the subject and enrich any elements to it that topic and that will be to the benefit, to do more than learning information by heart, but meaningful . Here, teachers can express their ability to make changes in the curriculum to accommodate different needs that students understand and remember for a long time.

Distinctive features - web Questa distinguished from others based on the Internet site of three features, such as:
• Web questi is based class
• Web questi emphasizes their thinking (such as analysis, criticism kreativitete or different)
• The teacher selects the appropriate resources, emphasizing the use of information

The purpose of the web Questa group work is accomplished by dividing the roles and tasks. Questa web structure - composed of five essential parts, such as:
• Introduction
• task
• process
• sources
• Evaluation and conclusion

Questa web tasks - their duty is to be a description of what will introduce a web quest.
Process - shows the steps of the processes through which has passed to achieve successful introduction of adequate material and examples.
Resources - in order to provide a better presentation of the web Questa should take into account other relevant sources.
Evaluation - ways of presenting web Questa students for specific projects will be evaluated, their preparation and presentation must be fair, clear, consistent, comprehensive specifications for certain tasks adequately.

Questa uses the web in education - teachers use web Questa for:
• Keep children active at a certain time using the Internet (student activities organized by Questia web and they can stay focused on the use of information rather than find it)
• Makes students to think in a higher level of analysis, synthesis and evaluation,
• Critical thinking and problem solving through authentic assessment, learning group,
• Motivating students to learn independently,
• Familiarity with technological components,
• Provision of guidance, through which solved problems and ideas arise for the use of other resources to better understanding,
• Increasing the skills and the development of thinking, etc.

Blogs

BLOG is the acronym of "WEB" and "LOG". Blog is a website which is maintained by a person who continually enriches with different information on the subject which elaborates. Information that can be edited are different formats like text, pictures, audio, video, etc., Where the content of the information displayed in chronological order form. Information Technology, blog made one of the most common forms for the preparation of web-websites nowadays, relying on methods of creating BLOG's and maintenance, maintenance is easy and does not It requires a deep knowledge of ICT. Viewed from a practical perspective, Blogs is a personal online diary where teachers can write on topics that have to be explained to students and bloggers threads (teachers) can be varied and rich with examples. Web journals dealing with one or more subjects in which visitors can write commentaries or ask questions. Each can in a simple way and without any special technical knowledge to show their opinion. The contents change frequently and this makes the web more popular journals (Duhaney, 2001). In addition BLOG can be seen in the format micro blogging by posting on social networks: Facebook, Twitter, Video Blogging etc.

RESEARCH METHODOLOGY

The research methodology used is quantitative research. Primary quantitative data has been mainly collected from questionnaires particularly designed for this research which has been distributed to the management and administration of school institution.

The target group were teachers of different subjects and school levels, schools, urban and rural, high school, vocational school, art school and special school (school for children with special needs).

The research methodology is based on the questionnaire instrument which has been distributed to educational institutions in the municipality of Mitrovica. The questionnaire consisted of 32 questions, where: 9 questions –

consisting basic information and other questions have been distributed for assesing the specific impacting factors.

35 Questionnaires have been distributed to school Principles and recived 34 of responses from them. 550 electronic questionnaires have been sent through e-mail to teachers and recived only 115 responses and waited approximately 3 months for the responses.

RESULTS AND FINDINGS

Access to computers - Based on the results presented from the survey results that all schools are equipped with computers, which is an indication of very important on the one hand and a disturbing indicator on the other hand, since the level of use their very low.
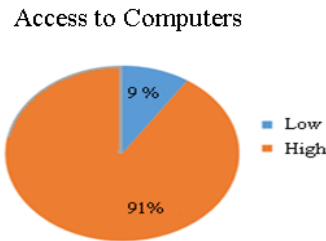

Figure 5. Analyses of Access to Computers

Long experience as Director, Computer possession, following some training in technology is inconsistent with the level of full use of technology for the management and creation of climate use in schools.
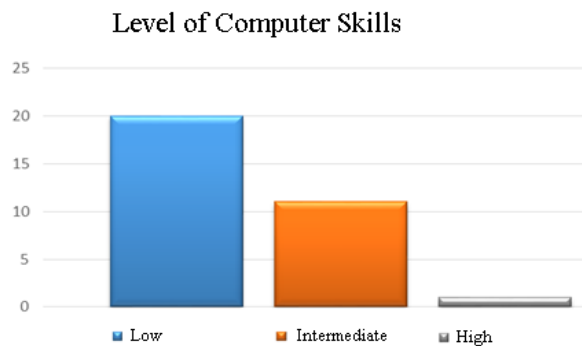

Figure 6. Analyses of Computer Skills level

Computer skills - from 63% of directors have little knowledge in the use of technology, despite the fact that all possessed a computer, 34% and 3% average knowledge of enjoyable knowledge. The following image is reflected in the rate of computer ownership by directors.

Website - figure 50% of those who are beginners in the use of the Internet is alarming, because all communication nowadays is oriented towards and through Internet technologies. Everything in the world of technology today is preceded by communication via the Internet. Development and advancement of all processes that occur in school is dependent primarily by communication through internet technologies.
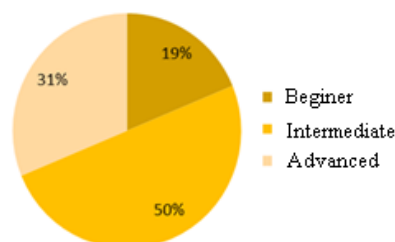

Figure 12. Analyses of Internet usage

Reports - Measure the percentage of 91% electronic reporting is inconsistent with the computer skills of directors. To this percentage is due to staff-subordinate directors engage others to prepare reports on electronically.
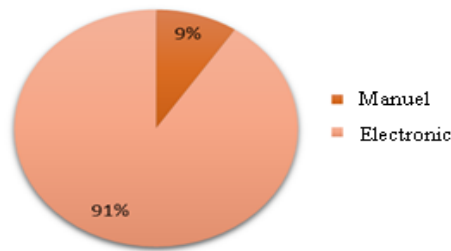

Figure 13. Analyses of Reporting

Compiler reports - greatly principals hire teachers for the preparation of reports. This result gives us realize even one of the reasons why the level of technology use is low, so they are upheld to their subordinates and this did not make them to engage and commit themselves more in the use of technology, given the fact that they have the legal obligations which sets out the duties of school principals, as p.sh management database to school, reporting through EMIS 1 -s, statistical reports, descriptive, analytical etc. The figure shown on the next page, seen rates makers electronic medical reports.

Delays reports - Clearly not the best approach to technology affects the delayed reports. These delays cause reporting problems because they know that these reports have their hierarchy of school - education director - Minister.
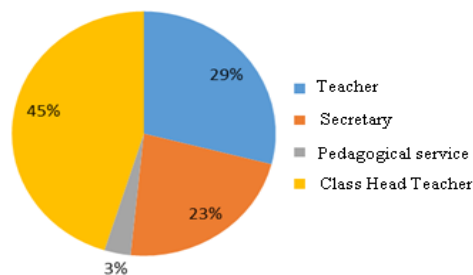

Figure 14. Analyses of Daily Reports

Communication - The tabular overview of this communication appears that the directors of subsidiaries engage in most cases teachers stand out because the result that 44% of the media use that is inconsistent with the level of use of technology by the directors.

Table. 1. Coverage of exploitation technologies of communication directors expressed in numbers and percentages

Coverage of exploitation technologies of communication directors expressed in numbers and percentages		
Communication technologies	**Nr.**	**%**
Phone	2	6
Phone & Hard Copy	3	10
Phone, mail Hard Copy &	11	34
Phone, mail & Social Networks	2	6
Phone, Hard Copy, mail & Social Networks	14	44

The outlook for technology - indicators that give positive signs for the use of technology and its integration in school is the fact that all the directors in question "Will the use of technology to help management" responded positively. This gives with the understanding that they are aware of the role that the use of technology to facilitate the performance and management duties in their schools. In relation to the degree of knowledge and

experience in their results that only an opinion declared not a necessity in which you should invest continuously in this direction. Directors have the opportunity to invest in knowledge for technology to do without can be large, since all possess computer, are all the time in school, have teaching technology from whose experience can benefit, provided various trainings can cooperate with each - other.

Table. 2. Coverage of exploitation technologies of communication directors expressed in numbers and percentages

Blogs	Description
http://informatikabizz.blogspot.com/	different information about informatics
http://www.networkedblogs.com/blog/itshqip	different information about computers and ICT in general
http://it-albania.blogspot.com/	different information about information technologies
http://bloguipare.blogspot.com/	informacione të ndryshme rreth informatikës
http://unitedcolorsofaulona.blogspot.com/2013/03/une-jam-nje-bloggere-shqiptare.html	different information about blogs usage
http://www.kuzhinashqiptare.com/blog/	different information about kitchen
http://kulturashqiptare.blogspot.com/	Informations about culture
http://keshilla-shqip.blogspot.com/	Informations regarding different advices
http://blogshqip.blogspot.com/	Blogs in alabnaina language
http://mesoni-anglisht.blogspot.com/2014/06/follow-me.html	Learning English language for Albanians
http://k-morina.blogspot.com/	Learning German language for Albanian

Blogging is a great way to share what is happening in the classroom to the wider world and to engage students in authentic communication. With good use of the tags and categories, it is also a great way to organize web-based resources. The graph below gives the countries that use edublogs education, this survey has been conducted in the period 2014/2015 (Mazrek, 2015), in which it is clear that the US dominates in popularity and use of blogs in education for treatment of topics various educational.
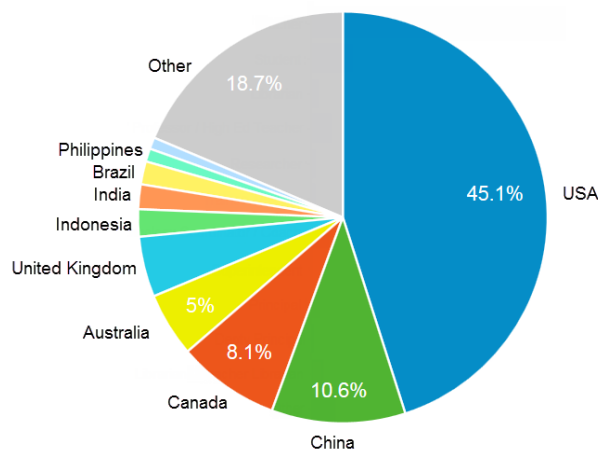

Figure 1. Analyses use of blogs in the world level

CONCLUSIONS and RECOMMENDATIONS

Information and communication technology knows no tradition but innovation and innovation. Therefore, the use of the benefits offered by technology in teaching, will affect students will learn and achieve more objectives of the course and quickly through attractive examples that teacher will be presented on various subjects, compared with traditional methods and tools.

With the use of technology which is understood as the implementation of equipment and various tools in the learning processes not only students will benefit more and prepare better for the future but it is welcome and makes it easier for themselves teachers in communication, critical thinking and problem solving as well as organizing various working groups that are essential nowadays, this will achieve more than just reading or writing.

The necessity of the use of technology in all aspects and levels of education starting from the fact of the generations before preparing to become familiar with the technology and to achieve success in all walks of life day by day which is being led by the information.

The need and reason of the application of ICT in education starting from the fact of preparing young people to become leaders and be successful in this society led by information. Communication skills, processing, critical thinking and problem solving and group work are essential to society and socio-economic technology of the 21st Century Education in this sophisticated environment will do more than just reading, writing or acquisition of skills arithmetic. It should also provide job skills that will help young people achieve their human potential.

Therefore, information and communication technology in education will address the changes and effects in primary education are: emphasis on the need, in the way of more effective integration of ICT in teaching methods change from traditional to interactive, hours with the evolution of the ICT application, electronic data processing and data interpretation. ICT integration is not only an opportunity but also a necessity to make the educational process more attractive. (Mazrek, 2015).

The main goal is to use the benefits offered by technology to optimize their use by various categories of potential participants as teachers, students, etc., Which represents a step very challenging, especially in the cycle low in primary where learning content must have elements that students will be reasonable and enforceable. Each school precedes development using technology and communication in all areas and communities. Using the opportunities offered by communication technology are multi-dimensional and more efficient. The possibility of cooperation between schools, whether urban or rural, regional, or global by using the technology would bring more good schools and various processes to advance in school. Using the opportunities that technology will help give the report parental school-community, business community, etc. Using the opportunities that technology offers, the school division will bring experience, professional development through online courses, video conferences, project management school, school timetables efficient management, monitoring and effective supervision, various development activities educational, creativity and innovation, problem solving, communication and mutual cooperation teachers - students, etc.

Relying on technology developments downturn, education should be a vital aspect in the learning process. Technology can affect learning in education in different ways:
• Changing the orientation of the education system, teachers as a source of knowledge for students,
• The choice of many valuable resources and usable by students,
• The possibility of distance learning (e-learning / e-learning)
• The standardization of quality in education,
• The need to better understand and implement lifelong education, etc.

REFERENCES

Brooker, L. (2003). Integrating IT technologies in UK classrooms: Lessons for teachers from early years practitioners. Childhood Education,

Condie, R., Munro, B., Seagraves L., & Kenesson, S. (2007). The impact of ICT in schools – a landscape revieë. Becta Research, January 2007. Retrieved December 13, 2007

Cuttance, P (2001) "Information and Communication Technologies" School Innovation: Pathway to the Knowledge Society, Department of Education, Training and Youth Affairs pp.73-100.

Duhaney, D.C. (2001). Teacher Education: Preparing Teachers to Integrate Technology. International Journal of Instructional Media.

Ganesh, T. G. & Berliner, D. C. (2005). Practices of computer use in elementary education: Perceived and missed opportunities. In D. Wray (Chair), ICT in education. Paper presented at the European Association for Research on Learning and Instruction 2005 Biennial Conference, Nicosia, Cyprus

Mazrek, A, (2015), International Journal of Education and Development using Information and Communication Technology (IJEDICT) , Vol. 3, Issue 2, pp. 57-67