

## Using the Internet and Computer Technologies in Learning/Teaching Process

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### Abstract

According to the new national curriculum innovations are in a successful outcome for the introduction of many factors, the most important things are learning environment, which includes the suitable equipment, place, space utilization, and the selection of learning resources to support teaching and learning problem solving process, by creating the best conditions for students. We are on the crossing of an age of information. This will change of the universe no less than the industrial age. Now it is more important that it would be accessible and available to everyone. Also it's essential to teach our children construction tools of this new challenges. Teach them how to solve problems, and how to be passive consumers. In order to make suitable atmosphere for children, it's important to take into consideration that modern technologies have the great role to this process. Furthermore in this environment, the students have opportunities to think critically and independently, to find their own ways of solving problems through research and experimentation. To solve many problems we help our new modern computer educational programs. We should mention many types of simulation software, which are the imitation of the real events. It allows the user to examine the effects on the real situation without monitoring. Moreover, the observation of the process may be repeated as many times as necessary. This is particularly important in areas in which the real experiment and its multiple repetitions is difficult and sometimes it is even impossible (for example, economics, social sciences, biology). Such software gives us chance to record everything and use them to study the new phenomenon. Nowadays, computer technology plays an important role in our lives, it helps us to solve many problems easily and quickly. But taking everything into consideration it is obvious that, we need to use computers appropriately in our everyday activities. we can definitely say: „he wins who owns more information”.

**Keywords:** ICT, Modern Technologies, Tool.

### Introduction

One of the global world's problems today, in the field of human activity, is the problem of computer science and related thereto, computerization.

XXI century will be a source of valuable resources, capital and knowledge, which also determines the level of development of society and in the process of this development momentum will be the main computer systems of education. Georgia group was established to support programs computerization of schools. It included the Ministry of Education and Science Minister, Regional Development Agency, funds the Open Society - Georgia ", " Mziuri "and" Gren "(Association of scientific and educational computer networks in Georgia).

It is undoubted that modern era is characterized by an increased interest towards information technologies and electronic resources. From economical and political points of view hard times suffered by our country and its population coin sides with the process of “information revolution”, accompanied by introduction of computer technologies into all spheres of scientific and social life.

Reality today proves the fact that, information technologies are more and more often used in the higher education system. It is apparent that nowadays they are used not only as additional tools in sphere of education, but represent new functional rules and priorities of institutional structure in the process of higher education development.

Teaching all levels of the educational process, the quality and efficiency of the radical improvement of the education system open to ensure the construction of each individual to choose the path of education to the right of sale. Education information implies a modern information technologies in the process.

Nowadays, information technologies have penetrated into almost all spheres of educational fields. This fact is connected with a permanent widening of abilities of world wide web on the one hand, and makes it possible to place any important information concerning education on its vast majority of servers. On the other hand the usage of modern means of telecommunications by students/pupils in the learning process, results in creation of new forms of teaching, without which it is impossible to solve constantly increasing range of educational tasks.

The usage of modern informational technology and resources in educational field plays the important role in making the teaching process perfect, to conduct teaching on the scientific-methodological level and to protect international educational standards.

For this reason it is necessary to create the complete teaching tutoring space of informational technology and

resource usage methodological base, which will support to solve the problems of effective management and teaching level increase of educational process.

Teacher-researchers' main goal is to search new ways and opportunities of teaching, which will coincide with the socium requirements. Of course it depends on the new techniques, informational-audiovisual appliances and those specific pedagogic technologies which are realized by means of modern informational-computer ways. It is important to use properly these unique opportunities what informational and communicative technologies give us.

The usage of informational-communicative technology gives us many opportunities to expand greatly tutoring-teaching and educational-management abilities. Modern internet resources enable us to create virtual teaching institution and to conduct adequate virtual teaching, to hold internet conferences "online" about teaching-tutoring problems more intensively. In this case the wide audience can participate from all over the world. The expense will be minor but we can achieve great results.

The effective form of modern informational technology usage is also a feedback: between teacher and pupil as well as between teacher and parent. This feedback can be performed by means of electronic magazines which are displayed on the school or university websites where pupil/students portfolio is depicted (their grades, behavior the attendance and other data). Also we can put different functional informational-methodological materials for parents, in which various problems concerning teaching-tutoring and family life will be discussed. School sites represent modern resource of relationship form between school and parent where parents are given the opportunity to be in the epicenter of school events and if necessary to be even involved in the process. In the condition of "knowhow" parents can send their child's tutor any question about their child and get the answer to it.

As a rule on the school sites there is not only text materials but also photo and video materials which concern school life. Parents interested in informational technology and can use them participate in making class site and take active part in school life by doing it they are filling the traditional isolation and vacuum which existed between parents and school

The effective usage of modern informational-communicative system resources has the great potential to make the pupil/student as well as their parents to become interested in making their best conditions of activity to participate in modern educational processes and to increase teaching level and quality

### 1.1 Research Questions

Technological literacy, technological nimbleness is the ability for identification of a concrete problem and what specific tools you need for solving it. At the same time it should also be taken into consideration that one and the same problem can be solved in different ways. The increasing sector of informational technologies develop towards to almost all directions, relate all the spheres and becoming unchangeable for the mankind. It's undoubted, that the educational sphere has been developed and using modern technologies become active in primary and secondary schools. Also the list of existing tools is thus big, that it's impossible to use all the elements at the same time. But what's the main part? School and teachers find that optimal combination, which let them give children the information effectively, also estimate them and rise up the productiveness of the teaching process. (Chachanidze G. Santaria V. , 2004).

In the process of teaching ICT we should periodically go back to and use those tools that have already been taught. Teachers should select issues and tasks of those kind, for solving of which students will need to combine tools and information technologies of different type.

The technology is becoming an integral part of the pedagogy. When educational objectives are clearly defined, the place and the role of technological tools used appears to be natural and appropriate. It can be said that, the existing problem of technology integration into educational sphere, has been turned into a greater one - realizing of learning process and pedagogy in a new way.

Internet has become a virtual space where people socialize with their colleagues, friends and family members. Internet is a way of strengthening communication between teachers and students, it is a strong tool used for socialization.

#### 1.1.1 Discussion

An information and communication technology at the lesson encourages the can obtain real data, which is necessary to solve any given problem and involve people who have a direct connection with the current educational activities (for example, colleagues from other schools, representatives of scientific circles and those working on a similar problems). student's motivation. It allows the educational process in time and space can be beyond the limits of the classroom and become maximally open. Student and teacher with the help of communication technologies.

According to the National Curriculum of information - communication technologies are included in the study areas through which information - communication technologies in education are not considered separately from the academic disciplines, separately from their context. Of information - communication technologies in

the curriculum to be implemented in each academic discipline. This instrument can be an effective integration of basic academic disciplines with each other.

The survey conducted among students showed us the following results: 99% of respondents agreed that it is important for students to learn 21st century skills. 80% of respondents agreed with the idea that children need to be taught differently today, than 20 years ago. 6 out of 10 respondents confirmed that, the schools today do not meet the new requirements. Respondents gave priorities to such skills, as critical thinking, ethical and social responsibility, teamwork and communication. 78% of respondents believe that the balance between basic skills and 21st century skills should be equally presented in the curriculum.

So far, in Georgia are widely introduced modern teaching methods and technologies. In this area great importance is given to teacher's activity and knowledge of information and communication technologies, which is the basis for the further development of e-literacy.

## Conclusion

In recent years there have been made important steps in installing new technical methods in countries educational and scientific sector. A few years ago it was impossible to get education at the prominent universities of foreign countries, without going abroad. Nowadays it's easier via online regime. Modern informational technologies have an influence on the process of getting education, on informational sources of interaction on which are based the process of teaching and studying and these make changes in the duration, places and speed of studying. Educational information is available for the whole population, this is the particularity of modern informational technologies. The distant educational teaching technologies are based on their use, what is the most rapidly developing course all over the world.

The short description of the condition of modern distant teaching system leads us to the conclusion, that this system evidently is prosperous for the combating of problems which stand before the modern society.

Using of internet showed humanity unprecedented possibilities. It was transferred huge place of free in words and created so called the masses of "Virtual" - "Simple, Ordinary" man or group of men.

The national objectives of general education requirements for the implementation of special importance include the use of information technologies in studying and learning.

Information technology offers new opportunities for the education system. Using computers and the Internet makes the learning process more interesting and diverse and leads to increase in cognitive activity. Many different kinds of internet resources enrich the teacher and student's activities. New subjects programs will facilitate communication and information processing skills development. In regard to this, all the subject teachers' training will be held in accordance with this. When teachers use information resources they should consider how to use resources efficiently in order to help the learning process, how teachers enrich educational resources for collaboration and sharing of experience, how teachers check efficiency of resources.

When teachers use information technology resources they should only use those materials which correspond directly to the lesson topic, know about possible troubles and where to make comments and notes. Select the location that is acceptable for the class' area of vision so that activities can be planned that it will evoke possible discussions about the obtained information that is specific to the task. Students can express their opinions freely, ask questions and make assessments of their work and of others. Determining the need of information is guidelines for filling in these materials needed to write the story; to draw up a thesis, etc.

Observation has showed that the use of information technology changes the attitude to learning. The process is deemed more interesting and successful.

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