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Concept of Using Information-Communication Technologies and Useful Information Resourses at Secondary Schools of Uzbekistan

Annotation: *In this article listed acquisition of the minimum requirements including computer literacy at schools using information and communication technologies by secondary school students and teachers, as well as the existing system of interactive services and useful information on the Internet resource of information about scientific research. A modern school of this institution informed education and the environment should be informed of the learning environment of the school, taking into account the structure of the standard.*

Knowledge of using information technologies, including, computer technologies and using them in practice are recently became one of the actual problems for secondary school students and performing teachers (2,3,6,7,10,12). In this sense, minimal computer literacy skills requirements of the students and the teaching staff should be the following:

• computer technologies, general concepts of their structure and operation ;
• advanced software solutions and their use;
• preparation of necessary materials with software programs and their use;
• use of a global network - Internet, including e-mail.

Use of information and communication technology (ICT) at public education institutions is carried out in the following areas:

• the subject;
• teaching tool;
• management tool;
• teaching capacity.

ICT is a subject of use of students and teaching staff of new information technologies, and their component parts and areas of common understanding, knowledge and skills.

ICT is a learning tool based on the use of modern information and educational technology and educational process is organized and managed by the students.

Use of ICT in the education process as management tool in educational institution activities, includes educational, spiritual and enlightment and increasing profitability of organizational work, education, information, analysis and forecasts, and the opportunity to create a learning environment of the school.

ICT teacher training and methodological studies as a pre-screening tool teachers use educational institute scientific-methodological and pedagogical research to enhance the capacity of the service.

Directly to the public education system and the system created for traditional web sources and placed them on the use of information and educational resources, we have to dwell on them below.

There are more than 30 interactive services and information systems.

"Single portal of online public services" (www.my.gov.uz) is placed in a system of interactive services. At the same time, the Ministry of Public Education of the state interactive services portal launched xtt.uzedu.uz address.

Distance learning training system was established to address moodle.uzedu.uz and the training topics, training materials, presentations, lesson plans, and placed in the control tests.

Today, the system of the Ministry of Education has a total of 443 items of electronic information and educational resources.

Multimedia educational programs of the center 76 title in 2014, 2015, 93 titles of e-books, video and audio lessons, interactive and animated virtual labs, tests, such as educational games and educational resources. This electronic information and educational resources of the Ministry of Public Education www.eduportal.uz information and education portal "e-library" section installed. More than 700 copies of textbooks and teaching manuals in electronic format, which are easy to use via website, are used in the practice of general secondary education.

2015-2016, "Mathematics", "Around the world", "Mother", "Study", "Chtenie", "Russian", "literacy teaching", "English", designed for Grades 1-4 " health ", for grades 5-9," Healthy generation ", electronic information and educational resources. For example, "Mathematics", the timing of source of interesting science, solutions, and exercises samples cover a total of 32 lessons, which use 12 types of interactive exercises.

At the same time, the public education system of public services, information systems, electronic information and educational resources and effective use of the interior of the district (city) Yen base of ICT in schools and permanent training seminars, webinars.

National Education Ministry (www.eduportal.uz) information and education portal, the official web site www.uzedu.uz aimed for learning foreign languages and a multimedia center official sites www.multimedia.uz have 50 educational resources. At the same time, this section is provided by the British Council collection of more than 300 cartoons and educational resources and interactive games which can be installed.

More than 100 educational and methodical manuals and lesson plans, prepared by the best teachers and methodologists employed at relevant educational institutions are uploaded to the government portal.

Today "Ziyonet" information and education portal (www.ziyonet.uz) has placed more than 34 sources, and more than 9 thousand subjects. In addition, more than 23 thousand video resources portal, with 5.5 thousand persons of the exact sciences, 3.5 thousand computer science, 245 590 of them in mathematics and physics, and 1.1 thousand technical disciplines.

A bit on the second side of the issue, every day in the virtual space of a few million more than the formation of information resources, taking into account the volume of which increased every minute, providing students with a variety of attacks to protect means you need to think about the modernization of the modern school.

Today, a modern school of this institution should be informed media.

Educational institutions of information aimed at improving the efficiency of the learning environment, providing information technology, systems integration of the school consists of a set of components that consists of a variety of software and services for storage.

Informed the content of the learning environment of secondary schools can be divided into two parts:

Management includes the activities of the automated management of the facilities, as well as a methodical management of a variety of materials.

Part of the curriculum or teaching portfolio consists of the following subjects:

• subjects of pre-training plans and programs;
• textbooks and manuals;
• Statements;
• didactic materials;
• multimedia lesson;
• educational software;
• control software;
• electronic encyclopedia and dictionaries.

Informed learning environment of secondary schools, the establishment of the following opportunities (4,5,9):

• educational institutions and training process to build a unified information environment;
• the organizational structure of the institution and the management;
• pupils and teaching staff and take into account your personal documents;
• teachers, staff and students' contingent movement: orders, commands, downloads, and related amendments;
• State Educational Standards (DTS), educational and business plans, provide information on the formation and approval;
• pupils' attendance;
• electronic diary, student performance tracking, accounting results and e-magazines;
• educational computing workload;
• Parents and guardians the opportunity to provide quick information, etc.

The school informed of the learning environment to the optimal use of the procedure for secondary schools can be found below (11,13,14) (Figure 1).
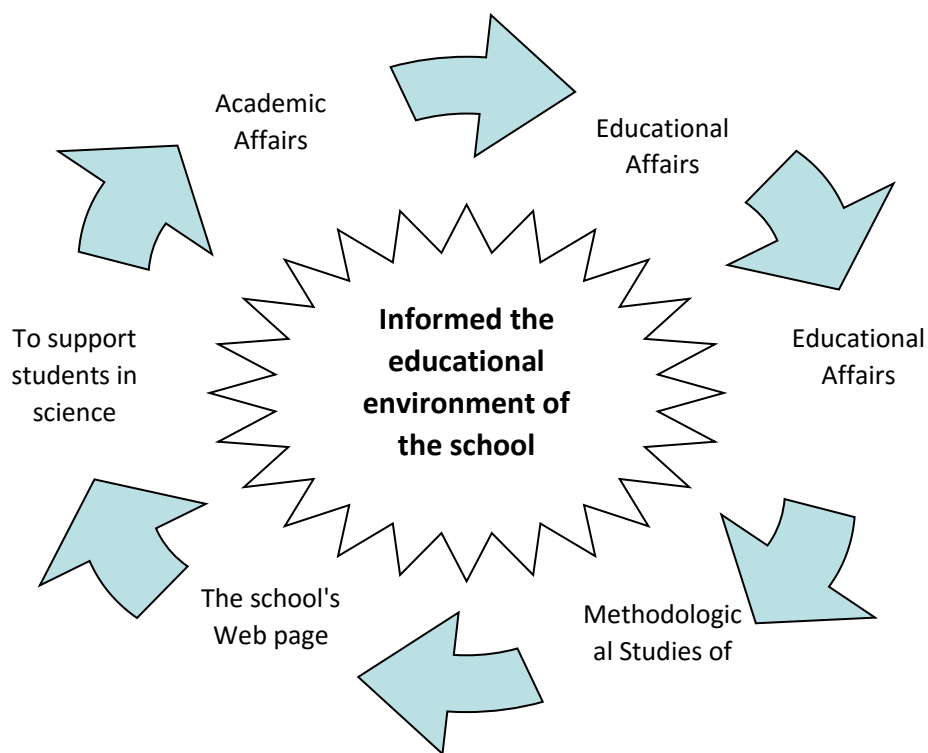
Figure 1. Typical structure of the learning environment, the school informed.

Academic, educational and methodical work includes the relevant data (1,4,5,8).

Educational block in the conditions of teaching staff inform ability spiritual functions in the field of education, the relationship with the students conscious of the reality of life in today's rapidly changing, serves independent thinking that the data is collected.

Methodological subjects continuously updated and added. In particular, the above-mentioned information and educational resources with the employees or teachers, the learning process can be done with the fill material. It should be noted that the electronic version of finished products, as well as didactic educational institution briefcase educational products to fill important. This, in turn, opens the possibility of the first educational institution and students to be differentiated approach.

Fill in the fields of materials science teaching portfolio as well as general information about the educational institution pedagogue-teachers and teaching internships, education, training information, achievements, educational and methodological materials to date is important.

To create a learning environment in the school even more noteworthy is that it provided students with psychological and pedagogical support.

Information and educational resources students not only with the application or with psychological tests is not necessary for the study of the properties of the character of their students and parents to help establish a counseling service.

As a result, students in social activities in secondary schools in the preparation of information to create a learning environment, and natural science education resources as well as a requirement for secondary schools today.

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