Smart And Development Of Modern Education

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The 21st century is the century when information technologies become an integral part of a person's living space. Today, with confidence we can state the existence of a new digital (network) generation of people for whom a mobile phone, a computer and the Internet are the same natural elements of their living space as nature and society. For the development of modern education, the influence of human capital is no longer enough. It is necessary to change the educational environment itself, not just to increase the volume of education of labor resources, the very content of education, its methods, tools and environments must qualitatively change, a universal transition to SMART education is necessary.

Currently, it is becoming the norm to conduct training sessions with students using multimedia presentations made in software packages such as Microsoft Power Point or Macromedia Flash. However, along with the familiar presentation technologies, new so-called interactive technologies penetrate the education sector, which allow you to get away from the presentation in the form of a slide show. A new form of presentation using interactive equipment (SMART Boards interactive whiteboards, Sympodium interactive displays) is a presentation created by the speaker during his presentation - a presentation created here and now. On SMART Boards interactive whiteboards, you can write with a special marker, demonstrate training material, and make written comments on top of the image on the screen. At the same time, everything written on the SMART Board interactive whiteboard is transmitted to students, stored on magnetic media, printed, sent by e-mail to students absent from class. The training material created during the lecture on the SMART Board interactive whiteboard is recorded by the built-in video recorder and can be repeatedly played. While working on interactive whiteboards, students improve their concentration, learn material faster, and as a result, academic performance of each student increases.The introduction of new technologies in the field of education leads to a transition from the old scheme of reproductive transfer of knowledge to a new, creative form of learning. One of the main

tasks of modern education is the creation of sustainable motivation for students to acquire knowledge, and the other is the search for new forms and tools for mastering this knowledge through creative solutions.

The main characteristics of SMART education:

1. Seamlessness - ensuring compatibility between software developed for different operating systems. Seamlessness allows providing equal opportunities for learning, regardless of the devices used, providing the possibility of implementing the continuity of the educational process and the integrity of educational information.

2. Independence of time and place, mobility, ubiquity, continuity and ease of access to educational information.

3. Autonomy of the teacher and student through the use of mobile devices to access educational information.

4. Determination of various motivational patterns.

5. The relationship between the individual and organizational goals of employers and educational institutions.

6. Evaluation of demonstrated changes in competencies - the effectiveness of the educational process is measured not so much by the knowledge gained, but by the ability to put it into practice.

7. Flexible learning in terms of the student's preferences and individual abilities (the ability to customize learning for the individual student's parameters, including such as: basic knowledge, experience and skills; learning style; up to the physiological and psychological state at any given moment of learning) .

It must be emphasized that for the successful implementation of SMART education at the university, it is important for scientific and pedagogical workers to strictly observe the existing intellectual technologies for its implementation, which should be carried out taking into account the personal requirements and preferences of the student. For this it is necessary: to use an individual training schedule, to maintain constant contact between the student and the teacher, to achieve a strong assimilation of knowledge, to use a convenient time and place of training. All this will allow students to save money and time.

Intelligent SMART technologies in education include: 1. Educational networks (Electronic University Consortium); 2. Smart e-lerning; 3. The quality of e-learning (E-metrix, standardization and certification); 4. Quick start. Smart environment for

students: smart, multidisciplinary, educational systems of continuing education oriented to them (school, higher educational institution, corporate training):

- adaptive educational programs, portfolio;

- more information about students;

- collaborative learning technologies

- knowledge creation;

- access to the learning process is territorially and hardware independent;

- the transfer of a large number of routine functions from person to machine; - individualization of training at a new level;

- involvement of practitioners in the educational process.

Thus, the presence of higher quality education is a necessary condition for the adaptation of a young man to solving a wide class of vital tasks. SMART education allows you to expand the possibilities of personal development in solving these problems in a changing world. It is this, in our opinion, that forms the creative potential of a future specialist, which is so necessary in modern conditions.

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