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Informatization of educational process in high school pedagogical direction

Informatization is an important component of the system of higher education, which includes not only traditional methods and forms of training, but also the use of multimedia, telecommunications, remote sensing means of training.

For students of the pedagogical directions of application of multimedia technologies in education should be associated with the use of interactive boards, which allows us to demonstrate learning material with a variety of examples from the practice. To master a work with the interactive Board allows students on pedagogical practices and in the further work in the school to conduct traditional and integrated lessons with the use of multimedia technologies.

The use of it in teaching gives the possibility to the students carry out course and diploma projects with the use of the programs: Word text editor, Excel spreadsheets, drawings are done in AutoCAD or ArchiCAD, graphics, Power Point, Corel Draw and Photoshop. Thanks to the introduction of information technologies into the process of teaching students with an interest carry out the work, as it allows you to show the individual abilities and increases the cognitive interest in the subjects.

Multimedia technologies were skillfully used and teachers of the lectures, practical exercises, clearly showing the important aspects of the material. The practice of application of multimedia technologies in educational process showed that their use increases the degree of assimilation of the material and increases the percentage of residual knowledge of subjects.

Many teachers of the University classroom using it with видеографическими and аудиоэффектами, that allows to improve the quality of learning.

Implementation of it in academic discipline gives a number of advantages both teachers and students:

- creative, deep and self-study subjects, which increases the cognitive activity of the students;
- various editors to their ability to free you from routine work and contribute to independent creativity, save time student.

Training of students with the use of it and the training of their work with them will enable future teachers to use the acquired knowledge in the profession and in extracurricular activities when conducting class hours, the debates.

Information technology is convenient to use when conducting ratings of the tests (with multiple choice answers, with alternative answers, with freely конструируемыми answers), the independent work of the students. Regular use of computer programs facilitates the acquisition of in-depth and profound knowledge, development of creative thinking and abilities, the formation of the students' motivation readiness to use the acquired knowledge, abilities and skills for the future profession of a teacher.

Many high school students under the guidance of the teachers are engaged in scientific work, which in modern conditions cannot do without the use of information technologies.

Scientific-research work of students of pedagogical specialties is organized in the following forms:

- work in student's scientific circles, scientific seminars (student design office „Integral”SSS „Knowledge”);
- participation of the students in groups or individually in the framework of the scientific-practical conference „Days of science students”;
- participation of the students in groups or individually in the implementation of the state budget or self-contract research topics in the framework of the inter-University or University grants.

At conferences, seminars, reports the students are skillfully using information technology: computer programs, video conferencing, webinars etc.

All available in the University computer classes combined local network and connected to the Internet, that allows to expand their knowledge and the teacher and the student in various fields and gain experience with computer equipment.

New information technologies are firmly part in the process of distance learning, which includes the most different technologies. It is case-technology (educational-methodical materials are collected in a special set of forwarded by the student for independent study); TV-technology (educational TV), TV-satellite technology, built on the use of interactive television; network technology, based on the use of the Internet.

In distance learning are used and other information technologies, such as broadcast (electronic Newspapers and magazines, electronic libraries); interactive (e-mail and electronic conference); search (directories, search engines, metasearch system).

The problems of Informatization of education should find its reflection in the perspective educational programs, scientific studies of both teachers and students in the field of computerization of educational institutions of all levels.

In Vladimir state University is working on the creation of training-and-methodical complexes, containing Fund of teaching and practical benefits of the program and methodical instructions from the first to the fifth year. Developed courses included in the curriculum in a number of specialties taking into account the state educational standards.

It can be concluded, that the education system is firmly in the information space. All this ensured the introduction of ICT in education: development of uniform information educational space, increasing the human need for communication, and access to shared information resources, understanding and processing of a large volume of information. Informatization and computerization have become the objects of study, application and use in education, which gives the opportunity to go into the creation of some new educational system.

Future specialists of the educational sphere should own it, to solve their professional tasks, successfully work with the children. Substantial assistance in this may have a modern information and computer technologies, without which the teachers of today are simply not do. Ability to use in their work modern it becomes one of the main components of professional training of teachers.

Abstract

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Key words: informatization, of multimedia, telecommunications, remote sensing means of training, information technology.