

INFORMATICS AND INFORMATION TECHNOLOGY THE ESSENCE OF SCIENCELARARO INTEGRATION IN TEACHING

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Abstract

The innovative processes taking place in the education system today are literate, intellect improving the training of visually competent people ko'n issue of reserves for transitioning. Modern education its important that science in the system develops sufficiently in communication is one of the problems. Usually a student who has mastered one science well inability to apply knowledge not only in life, but also in other sciences you can. The main reason for this is usually the main emphasis in educational institutions because it is aimed at giving knowledge. Vital knowledge of today it is necessary to prepare specialists who can apply to situations. Students large-scale data reception, processing, optional Sciences modern tools, methods and technologies to deal with the study is purposeful. Therefore " Informatics and information the science of" technology " as an object of study, not knowledge it should be considered as an active means of giving. Today, the science of" Informatics and information technology " is another the urgent issue of the need for integration with sciences remains. And this is the expansion of educational opportunities, methodical it provides an opportunity to enrich and improve the quality of knowledge-giving.

Introduction:

As you know, the traditional method of education to a new level of quality in education cannot be achieved with. Introduction of integration of Sciences into the educational system of our society creates an opportunity to solve the order that he put before the training. A few the integration of Sciences creates the following possibilities:

- Transition from a continuous connection of Sciences to a continuous connection of science facilitates the acquisition of knowledge and applies to students in one subject
- creates the opportunity to apply the methods to the second object;
- An abundance of problematic situations in the structure of science integration
- faollashtirad the student's thinking ability;
- Integration increases the information volume of the lesson;
- Integration of students in the study of various disciplines
- new ones that confirm or deepen their observations, conclusions
- omillarni makes it possible to find.

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- Integration is a learning motivator. It will help students to cope with their learning activities, from stress and fatigue
 - helps to become.
 - Integration of instructional material student creativity
 - they help to improve, the knowledge they have acquired is vital to them
 - allows application under conditions.

Other educational sciences of "Informatics and information technologies" integration with the implementation of both the above-mentioned creates opportunity. Integrated teaching of subjects their adjacent subjects it provides an opportunity to learn simultaneously and in relation to each other. Integration is a new approach to teaching subjects. Such lessons complement each other educational materials of different disciplines provides possibility to save time on account.

The main methods of integration include:

1. Classes are held in conjunction with other subjects.
2. Classes are conducted in the form of creative laboratory work.
3. Lessons are filled with electronic information educational resources.

The lightest of integration within the framework of traditional educational sciences one of the methods is to conduct integrated lessons. "Informatics and the science of " information technology – - it is in almost all educational areas it is a universal connecting joint that allows you to connect the fans. Informatics and information technology tools and students for all training courses in accordance with the level of preparation build an integrated course, develop integrated assignments you can. For example, mathematics when studying the topic "spreadsheets" and solve physics issues, build function graphs, solving equations, carrying out approximate calculations, physicist it is possible to model processes.

Also on the specialty of the direction of Education "Biology" Computer Science" Informatics and information technologies" to students as the topic " memories " is explained, We are computer devices and nervous we use a comparative analysis of the functioning of the system. In both cases four main processes: information reception, storage, processing and we divide the transfer. With a short and long memory of a person we compare the operational and external memories of the computer. As can be seen from the above material, with biology Integration of Science" Informatics and information technologies" as a result, the lessons are explained using real-life examples. As well as integration in the process of studying this science the issue can be considered on the example of other sciences.

In summary in other words, to students in education separate information approach technologies integration possibility provides. System of knowledge, comprehensive development, creative approach, education to increase directed at motivation all this integrated training is a useful opportunity that gives.

Used literature.

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