

THE ROLE OF VARIABILITY COURSES IN THE STUDY OF COMPUTER SCIENCE

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The current direction of modernization of Kazakhstan education - ensuring it a new quality. This can be achieved including the use of modern means of education and improving the methodological training system, the inclusion of relevant content. Information technology plays an increasingly important role in various spheres of human activity. For this reason, secondary school pupils should be narrowly focused on the need to study information technologies and their application in studies and further work.

The purpose of training course "Informatics" is the formation of students' information competence through systematization of basic knowledge on the theoretical foundations of computer science and information technologies, fostering the skills of working with the program information processing of various types, the development of algorithms and operational thinking, introduction to one of the programming languages and principles of modeling [1].

Informatics course is a combination of the key foundations of science "science" and its custom component. Here the crucial issue of special training in computer science, which requires knowledge that is more current. Such areas include programming, computational mathematics, mathematical and computer modeling, computer graphics, information systems, and others.

The role and place of information technologies, in understanding how their automated systems to work with information in today's information society is steadily increasing. The methodology of creation plays an increasing role, close to the general scientific approaches to explore the surrounding world [2]. This makes it necessary to form a more complete picture of them, not only by means of a school course of computer science, but also in the study of other subjects, as well as in extracurricular activities, the implementation of variable course in computer science.

Variative courses in basic secondary education - an integral part of the training, the necessary preparations for the introduction of profile education in upper secondary general education.

Variative courses, although different in purpose and content must meet the needs of students in preference. Variative courses like "compensate" in many respects quite limited possibilities of basic courses to satisfy the diverse educational needs of students. Variative courses help students to assess their capabilities, to design their own plans for the future. They provide individual character development of students, taking into account their individual and personal features.

Widely used in various fields of science, industry and public life is computer graphics now. People of different professions such as programmers, designers, artists, designers, engineers, scientists are using computer graphics in their work [3].

Variability of course "Working in a vector graphics editor," developed in the research process, serves as a means to enhance students' interest in scientific knowledge, enhance systematic training students in computer science, professional orientation of pupils

The course "Working in a vector editing software" is designed for students who possess the skills to work on a personal computer, and seeking to master the possibilities of modern computer graphics. Students at the end of the study course gain practical experience in the development of specific educational material that is self-supporting in the educational activity.

References

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