



Information in Technology Education the Importance of Using Technologies

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Abstract: The article presents a logical, consistent, continuous, in-depth discussion about the role and importance of using information technology in technological education.

Keywords: technology, process, opportunity, general professional, didactic opportunity, pedagogical activity, component, integrativity, innovation, competence.

Explaining the role and importance of using information technologies in the process of technology education, didactic possibilities of teaching general professional subjects based on information technologies in training future technology education teachers, conceptual foundations of teaching general professional training subjects based on modern teaching technologies and tools, content of professional training of future technology education teachers in teaching general professional training subjects and its logical-structural scheme serves to increase the effectiveness of interpretation of education.

The main directions of professional training for the use of information technologies in the education of students were determined and a model was developed: the situation of preparing students for the use of information technologies in the process of pedagogical activity was studied, and their skills in the use of information technologies in the process of technology education were diagnosed.

Based on the analysis of pedagogical literature and based on the student's requirements for the use of information technologies in his professional activity, the following criteria were distinguished during the research: motivation and the level of acquisition of knowledge on the use of information technologies in his professional activity; level of formation of creative skills and competencies in the use of information technologies in the student's educational activities.

A scheme of the pedagogical structure of the use of information technology in the training of teachers of technology education was developed (Fig. 1).

The target component of the pedagogical structure of the training of technology education teachers based on information technologies (according to the social order of the society to train competitive technology education teachers, the preparation of technology education teachers based on information technologies on the basis of the DTS of higher vocational education of the Republic of Uzbekistan and determining the result, the organizational component (tasks, educational methods, educational forms and the identification and development of educational principles), the content component (on the basis of the programs developed in the science of "Folk Crafts" - using innovative, competent, integrative, personal-active approaches and organizing practical training in the future teachers of technology education, the variability, subjectivity, creativity of their activities development of individuality, personal capabilities), consists of the result component (determining the results of training future technology education teachers based on information technologies).

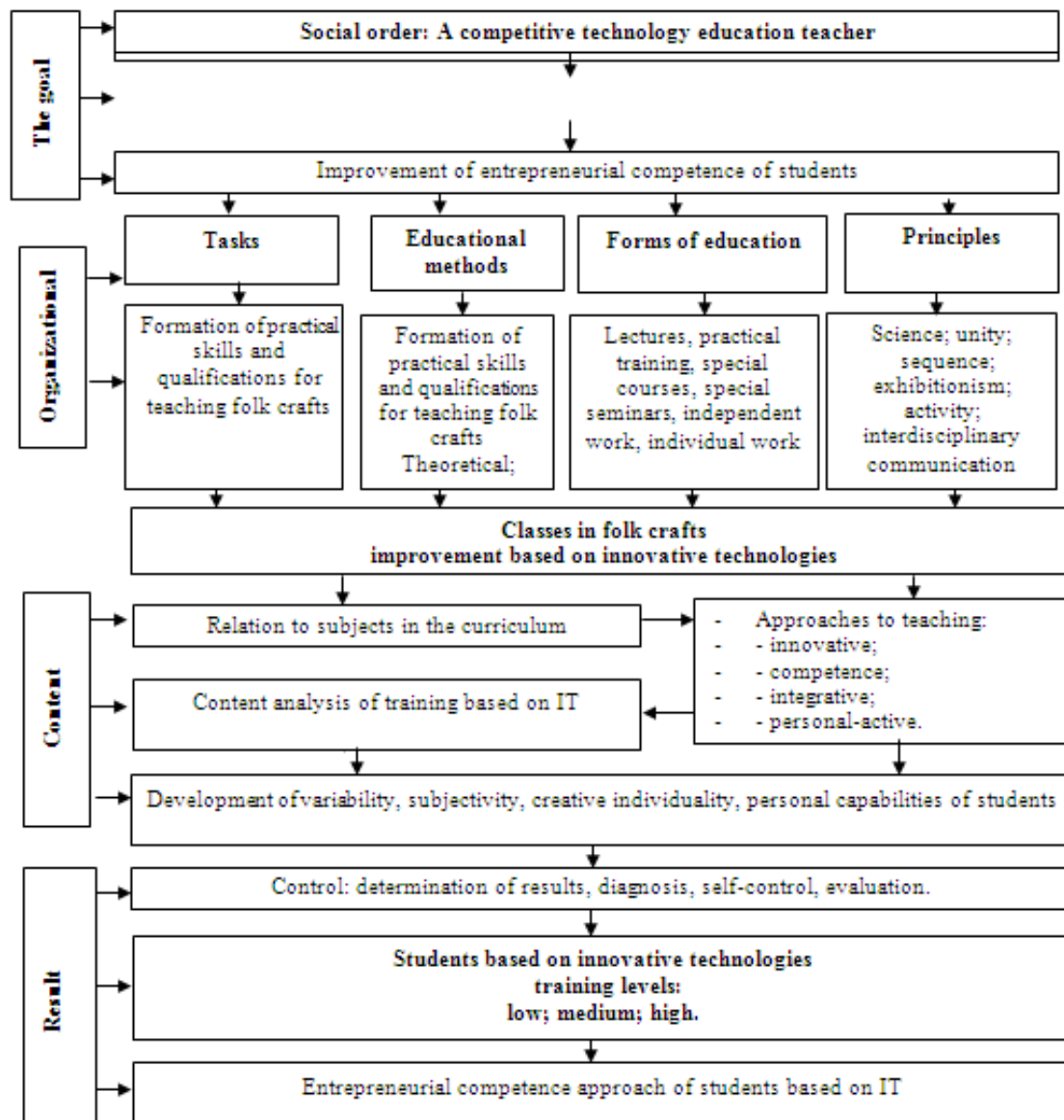


Figure 1. Pedagogical module of training students' entrepreneurial competence based on information technologies

Based on practical pedagogical experience as a result of the study of scientific and research works, a model for diagnosis of the pedagogical structure and result of the use of IT in the training of future technology education teachers was developed.

Training of future teachers of technology education on the basis of information technology was carried out by performing tasks at various levels. Four (intuitive, reproductive, reproductive-creative, creative) levels of development of professional, pedagogical skills and qualifications were determined based on information technologies, depending on the nature of the activity.

Pedagogical structure of training future teachers of technology education based on information technologies is based on the principles of scientificity, coherence, sequence, demonstrability, activity, interdisciplinarity, as well as evaluation criteria for determining the educational result. By defining the criteria of expert assessment and systematizing their organizational and functional capabilities such as objectivity, integrativeness, feedback, psychological flexibility, the methods of pedagogical diagnosis of the level of preparation for professional activity of future technology education teachers (specific analysis of the lesson, creative assignment, practical work) were improved.

In the process of formation of professional knowledge, skills and abilities in students based on information technology, the participants of this pedagogical process, i.e., the specific characteristics of the activities of the future technology education teachers, the content of its components, the cases

of involving the computer as an object of the student's activity were observed. the information model of the pedagogical event or process studied in teaching based on information technologies is the object of the student's activity.

The necessary condition of pedagogical support of formation of knowledge, skills and abilities of students on the basis of information technologies is the readiness of the pedagogue for this process. The teacher used information technology in the subject of folk crafts methodical system should have a program of formation of knowledge, skills and competences on the basis of learning.

Based on the integrative coordination of functions of analytical, design and pedagogical prognostic components of the diagnosis of qualification requirements and their levels of professional-pedagogical preparation of graduates of technology education courses of general education schools, the content of the conceptual basis of training of future technology education teachers on the basis of information technologies was improved.

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