

PEDAGOGICAL MECHANISMS OF CREATING DIDACTIC CONDITIONS FOR IMPROVING PEDAGOGICAL TRAINING OF FUTURE TEACHERS BASED ON AN INTEGRATED APPROACH

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ABSTRACT

The impact of creating didactic conditions for the improvement of future teachers in the process of professional-pedagogical and methodical training of higher education institutions on the basis of an integrated approach, the implementation of interdisciplinary communication in the disciplines of the pedagogical process, and the impact on the quality of students' knowledge and skills.

Keywords: natural-mathematical cycle, didactic system, psychological-pedagogical, technical-technological, dialectic, professional monograph, interview, questionnaire, proportion, mathematical apparatus, reaction equation.

ANNATATSIYA

Oliy ta'lim muassasalarining bo'lajak o'qituvchilarni integratsion yondashuv asosida kasbiy-pedagogik va metodik tayyorgarlik jarayonidagi takomillashtirish didaktik shartlarini yaratishning pedagogik jarayoni fanlari bo'yicha fanlararo bog'lanishni amalga oshirishni talabalar bilim va malakalari sifatiga ta'siri masalalari yoritilgan.

Kalit so'zlar: tabiiy-matematik sikl, didaktik tizim, psixologo-pedagogik, texniko-texnologik, dialektika, kasbiy monografik, intervyu, anketa, proporsiya, matematik apparat, reaksiya tenglamasi.

In recent years, the term "pedagogical mechanism" has become widespread in the field of pedagogy, mainly in connection with the process of creating certain conditions in the educational process, without a clear definition. From the point of view of the context, the term "pedagogical mechanism" is defined by most researchers as a set of techniques, methods, operations, techniques and other actions, educational tools used to achieve certain goals and solve certain problems. We also do not attempt to give a generally correct definition of this term. This is, in our view, extremely difficult to do because of its generality and the nature and scope of the process involved. Therefore, we take the above concept as work and define it as follows. from the point of view of clarification, the term "pedagogical mechanism" is defined by most researchers as a set of techniques, methods, operations, techniques and other actions, educational tools used to achieve certain goals and solve certain problems. We also do not attempt to give a generally correct definition of this term. This is difficult to do, in our view, due to its generality and the nature and scope of the process being used. Therefore, we take the above concept as work and clarify it as follows In our case, the integration of natural and

mathematical knowledge into the content of pedagogical sciences, the organization of the content of pedagogical education in terms of correction and approach, the organization of creative cooperation between teachers. mathematics and natural sciences. Second, any pedagogical mechanism should ensure the comprehensive use of forms, methods, tools, etc., selected for this purpose, be convenient for use in the actual educational process, and functionally correspond to the solution of a specific problem.

Based on these rules, consider the pedagogical mechanisms of creation; didactic conditions for improvement; Pedagogical training of future vocational education teachers in the conditions of an industrial university. Pedagogical mechanism of integration of natural and mathematical knowledge in pedagogical training of future teachers of vocational education.

Pedagogical training of future vocational education teachers is carried out in three functional stages: propaedeutic, theoretical-methodical and integration, as the thesis states. In the first stage, it is difficult to integrate pedagogical and technical knowledge, in the direct sense of the term, in the process of studying the subject "Introduction to the professional-pedagogical integrated approach". This is because students have just started their studies and do not yet have the natural or mathematical knowledge necessary for interaction. Therefore, we consider this stage as preparation for the further integration of natural and mathematical knowledge.

The pedagogical mechanism of the propaedeutic stage, based on its goals, includes the use of the following forms in conducting experimental work. Kimyo ixtisosligi talabalarining o'quv jarayonini tashkil etish, ta'lim muassasalarining o'quv-moddiy bazasi, talabalar bilan tanishishlari mumkin bo'lgan boshlang'ich ta'lim muassasalariga tanishtirish ekskursiyalari. qaysi mutaxassisliklar; hududda malakali ishchilar va o'rta bo'g'in mutaxassislarini tayyorlash Organization of the educational process of chemistry students, educational and material base of educational institutions, introductory excursions to primary educational institutions where students can get to know each other. which specialties; training of qualified workers and middle-level specialists in the region

Seminar-discussion, "seminar-game", various interactive methods: synectics, "aquarium technique", "brainstorming", and conducting seminars on educational science using such methods as situation analysis. Let's look at some techniques. Synectics is a method of group creative activity and educational research based on emotional-figurative, metaphorical thinking. Initially, the necessary input data is analyzed, the possibilities of solving the problem are determined, figurative, "metaphorical" analogies for the phenomena specific to the problem situation are put forward. "Fantastic" analogies are also involved, which can be based on the imaginary change of the laws of nature, the creation of a special hypothetical world in which anything is possible. Synectics is aimed at a deep understanding of the studied material, which can not only complement, but also accompany the initial acquaintance with new material; has a high potential for developing students' creative abilities.

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