

методы обучения, которые помогают ученику усваивать учебные разделы и темы начального курса математики

Ключевые слова: активизация умственной деятельности учеников, аналитическое мышление, сопоставление и противопоставление, поразрядный состав числа, разряды и классы.

Shevchuk I. V. Activation of primary school pupils' thinking at the classes of mathematics.

In this article is showed the relevance of the issue about primary-school pupils' thinking activation development with the help of mathematics tools when working on the new material: in explaining the arithmetic addition and subtraction, namely in studying the successive numbers and account numbers using table categories and classes of numbers. The analysis of the new material is implemented, using the effective teaching methods, which help the student to learn sections and themes of the initial course of mathematics.

Keywords: boosting mental activity of pupils, analytical reasoning, comparison and contrasting, composition of successive numbers, categories and classes.

UDK 37.013.43:62/67

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CULTURE OF PROFESSIONAL OUTLOOK OF TEACHER OF TECHNOLOGY

In article values of the professional outlook as a professional system of ideals, values and intellectual and emotional attitude for professional activities in the process of professional formation of the teacher of technology had theoretically justified.

Keywords: culture of professional outlook, teacher of technology, labor activity.

The modern world is impossible without information. Expansion of the technical opportunities of information exchange to intensify the process interaction of the person with the environment, which is characterized by freedom and multiculturalism in the information space. Information explosion has generated new information flows that are changing the world and the person who has to have time to pick up these flows, so as not to get lost in the modern life and not be in the past. Culture of professional outlook today it turns out the focus of many researchers who understand the problem of needs in the transmission of social and cultural practices and the needs to participate in the changes that are the basis of development, including of personality. So in the focus of scientific interest prove the studies the essence of the identification processes and forming of culture professional outlook, which resulted in the presentation of this material.

The emergence and development of culture of the professional outlook associated with complication of the individual, her inner world, spiritual and practical activities. Integration into intellectual, ethical and esthetic components is not mechanical in nature, and involves the presence of conflicts, contradictions. The emergence of new social and cultural realities in the contemporary Ukrainian society contributes to reevaluation of many spiritual values. With spiritual values are directly related world outlook position of the person, which is consistent with the thesis A. Byelikh that "...complex of world outlook activities not only the characteristic of ideological culture, but also the way of its existence, the emergence and development" [1, s. 200]. From this point of view, a significant responsibility for the formation of the world outlook of members of society rests to pedagogues. Accordingly, from teachers and pedagogues society expects manifestations of high level of culture of world outlook.

Particular importance has a high culture of world outlook for successful professional activity teachers of technologies. In the process of labor training is carried out education of the individual, the formation of labor qualities and orientation on the success in work activities.

Teacher of technology called to disclose to the students a deep humanistic content of labor activity, which is difficult without support stable world outlook foundation for teacher himself. At the same time we have to state that between the high requirements to the level of development of world outlook teacher of technology (caused of social orders) and the conditions of its formation in the course of training in pedagogical institutions of higher education exists surmountable contradiction.

At this stage in Ukraine no deep theoretical development that would support compliance with educational branch of "Technology" an individual branch of knowledge [2]. In this regard, there are several approaches to determining the content of training of future teachers of technology. First, technocratic approach, characterized by a tendency to the predominance of engineering disciplines and the use of methods and means of training, proven enough in the preparation of engineering production engineers. However, in terms of content the professional activities of engineer in the production, in fact, does not match the professional pedagogical activity of the teacher of technology and, therefore, blind imitation of the training of engineers for the formation of technology teacher incorrectly. The originality of professional pedagogical activity makes unacceptable the presence of only a highly specialized competence, because the professionalism of teachers is determined by the culture of professional world outlook and a combination of professional competences.

Second, humanistic approach in determining the content of training of future teachers of technology presented by several directions of researches. For example representatives of the scientific school headed by A. Kobernik, aspire to unite the educational and engineering components of training. The indisputable achievement of the representatives of this scientific direction are to use and promotion of method of project.

Other researchers aspire to justify the individual components of preparation teacher of technology. S. Borisova, L. Orshanskiy developing the problem of realization of educational and upbringing potential of arts and crafts in professional training teachers of technology [3, 4]. It is expedient to remember and think about the warning of the French philosopher K. Levi-Stros that the XXI century will be the "century of human sciences or his wouldn't be".

Humanitarization in vocational training teachers of technology we are considering through the prism of artistic and aesthetic culture of the teacher's personality. In this direction, humanization encourages to expansion of subjects connected with the study of traditional kinds of arts and crafts and realization in a modern manufacturing ideas of etno-design.

V. Sidorenko In his works sought to justify the direction of optimizing of content of teacher training of technology [5, 6, 7]. N. Kurach in his work reveals the theoretical approaches in the use of knowledge transfer phenomena and skills in the process of artistic labor preparation of the future teachers of labor training and pedagogical conditions that will improve the effectiveness of such training [8]. V. Steshenko [9] offer content educational industry of "Technology" considered from the position of the main stages of production and in accordance with the building and the training of teachers of technology.

Ya. Bobylyeva, exploring the theoretical and methodological bases of formation of innovative culture of the future teachers of technology in the process of training, pays special attention to the preparation of the future teachers of technology to pedagogical innovation. "Contents of training of future teachers of technology to pedagogical innovation should be based on humanitarian, philosophical, psychological and pedagogical, cultural studies and technological education, to ensure the future of technology teacher not only an appropriate set of professional knowledge and skills, but also technical education, which creates conditions for creative development" [10].

However, it should be noted that at this stage the individual approaches to the preparation of teachers of technology are not sufficiently consistent with each other. A large number of disciplines have an autonomous and isolated character. There is a danger of assimilation by students of fragmented knowledge, do not constitute an integrated system. Due to the

fragmentation in the outlook students with great difficulty develops understanding of the specifics of professional work of the teacher of technology. The most common and significant methodological and conceptual representation of the installation of the individual explicated in personal psychological level through its outlook. “In other words, culture of outlook – a personal outlook system that formed on the basis of universal, national and specific historical ideals, values, and their own life experiences, life principles, positions and relationships, rather than external ideological principles, offered to man without formal or actual moral requirements and the meaning of life a certain stage of searching” [1, s. 200].

Reorientation of education, the main features of which are universality, integrality, creativity, the needs of society in the preparation of the teacher of technology, capable of circle work and activities of the labor education, which, knowing the basics of technique of labor preparation, skillfully projecting it on a student paradigm has caused increased attention to the decorative craft and folk art as a source of justification of education development strategy. Today more and more higher education institutions implementing training courses, subjects related to etno-design, various kinds of arts and crafts. This recourse to decorative arts and by creative and spiritual potential due to raising a new stage of the philosophy of education.

The professional aspect of the world is associated with the formation of the conceptual foundations necessary for a successful professional pedagogical activities. Thus, the formation of a professional outlook process is fraught with development of a specific individual’s own philosophical theory, reflecting the essential features and relationships to the professional field.

Many researchers suggest a link philosophy and philosophical and methodological identity systems. In the context of professional pedagogical activity of the teacher of technology the foundation specialist outlooks up his philosophical views on arts and crafts. Methodological and theoretical issues related to the field of philosophy, arts and crafts and technology components of the professional outlook of the teacher core, widely interpreted in the works B. Antonovicha, S. Borisovoi, V. Titarenko, D. Tkhorzhenskogo, L. Orshanskogo [3, 4, 11, 12].

The problem of formation of the professional outlook of teachers of technology in the process of training in higher educational institutions is one of the key problems of the higher school of pedagogy at the present stage of its development. The professional outlook of teachers of technologies as an integrative phenomenon is one of the most important vocational training objectives – integration of basic professional knowledge, ideas, beliefs, ideals and practical experience. On the basis of the professional outlook of there is an association of basic and special competencies in a single integrated system. Professional outlook determines the creative individuality of the teacher of technologies.

Culture of professional outlook, as a characteristic of personal culture, can be represented as a particular expression of the culture as a whole. Construction of the professional outlook of the individual culture requires mental strength of the person, which are connected with a focus on success in professional activity, understanding, evaluation of achievements and experience of the situation of professional self-realization. The condition for creating culture of professional development outlook is iconic, symbolic systems. Aesthetic development of human allows us to solve these problems effectively. We support the position A. Bielikh, which states: “The attribute culture of outlook is the development of the emotional sphere of the person and its features – the ability to learn to indulge in symbolic information, understanding the language of art of different epochs” [1, s. 201]. Studying and understanding of issues relating to innovation and arts and crafts, a reflection of reality by means of arts and crafts can help to optimize the process of formation of the professional outlook of the future teachers of technology. For the culture of the professional outlook of teachers of technology characterized not ready to assimilation postulates, but free creativity. Culture of outlook is manifestation of personality and influences the expression and self-realization of teacher of technology.

Implementation of self-expression and professional fulfillment aims correlation problem of its place in the world of the professional pedagogical activity with previous experience and

emerging challenges vital and creative. The solution of problems of life without conflict of interest possible on the basis of ideological understanding of business strategy and results.

The culture of professional pedagogical outlook assumes coincidence of culture and fundamental bases of personality. Society of XXI Century waiting a teacher of technology, who has psychological and pedagogical knowledge, owns technologies of arts and crafts, creative style of thinking, who committed to continuous self-development and spiritual self-improvement. The main features of the teacher of technology should become a high level of culture of professional outlook and a deep professionalism.

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Борисов В. В., Борисов С. В. Культура професійного світогляду вчителя технологій.

У статті теоретично обґрунтовано значення професійного світогляду як системи професійних ідеалів, інтелектуального і ціннісно-емоційного відношення до професійної діяльності в процесі професійного становлення вчителя технологій.

Ключові слова: культура професійного світогляду, вчитель технологій, трудова діяльність.

Борисов В. В., Борисова С. В. Культура профессионального мировоззрения учителя технологий.

В статье теоретически обосновано значение профессионального мировоззрения как системы профессиональных идеалов, интеллектуального и ценностно-эмоционального отношения к профессиональной деятельности в процессе профессионального становления учителя технологий.

Ключевые слова: культура профессионального мировоззрения, учитель технологий, трудовая деятельность.