

Matter of Topical Interest

***Rozov N.Kh.* High-school teachers: training and professional development**

The topical problem of the training of qualified high-school teachers and the professional development for the teaching personnel is under discussion.

Key words: higher education, teaching personnel, pedagogics of high school, training and professional development for high-school teachers.

Pedagogical Ideas

***Novakovskaya Y.V.* What kind of education do we need?**

The essence of a human being is the creative potential that should be developed by the educational system. A person should be taught how to generalize and critically analyze the information rather than mechanically store it in mind. The system of unitary state examination is fundamentally incompatible with the task. The classical educational system should be preserved, but the subject syllabuses and programs should be modified so that unique scientifically correct methodical approaches form the basis of teaching and common textbooks, which should satisfy three main criteria, namely, the logical construction and description, the presence of examples of modern discoveries and achievements, and the illustration of mutual relations between diverse fields of knowledge. It should be taken into account that information technology can serve as the engine of progress and, at the same time, promote the degradation of the intellectual faculties of a human. The basic condition of the creation and development of cultured and well-educated community is the state ideology based on morale rather than enrichment cult.

Key words: education, intellectual development, creative potential, unitary state examination, information technology, degradation of intellectual faculties, ideology

Ponomarev R.E. Growth, development and improvement in education

The article discusses the trend of improvement in modern education. Based on the analysis of the mutual influence of processes growth and development and improvement, we discuss the possibility of organizing an educational environment.

Key words: improvement, development, growth, education, educational environment.

Experience of Practical Pedagogies

Gordeeva T.O., Osin E.N., Kuzmenko N.E., Leontiev D.A., Ryzhova O.N. About efficiency of the different systems of entrants selection to the universities (the example of chemical faculties)

The study looked into the association between academic competition results and subsequent academic performance during the first two and a half years at university. The data of three cohorts of Chemistry students (N = 738) were analyzed, including international and countrywide academic contest results in Chemistry, university grade point averages, and Unified State Exam (USE) scores. It was shown that students who are admitted on the basis of academic competition results (winning or prizes) perform significantly better during the first two years at university, compared to those admitted on the basis of USE scores. The results of academic competitions of different levels were shown not to be equal in predicting subsequent academic performance in students.

Key words: academic competitions, academic performance, achievement, grades, Unified State Exam, learning motivation, intrinsic motivation, grit.

Urasova M.V. Rating of training quality system of Russian students

Modern tendency of market of education development is its integration characteristics and involvement of all the spheres of activity. Today quality management includes not only

technical and technological characteristics but also the social one. Technologies worked out by sociologists are getting more and more called-for by modern management.

Key words: quality management of education, total quality management, quality assurance, management research, integrated quality system, quality index.

IT in Education

Andropova E.V., Sukhomlin V.A. Diversification of professional development programs in terms of international education standards in the IT area

The objective of this paper is the analysis and systematizing the methods of development programs diversification used for shaping the profiles, tracks, specialties of professional training in terms of international education standards (curriculums) of 'Computing' subject.

Key words: diversification, professional development programs, of international education standards, 'Computing' subject.

Andreev A.A. Pedagogy of the information society

An attempt to justify the emergence of a new pedagogy – electronic pedagogy, adequate information society and initiated an objective process of informatization of education. Discusses the object, the subject, the conceptual apparatus, the principles of e-education as well as the types of e-learning lessons, theory and the concept of learning. Topical problems of formation and development of e-pedagogy.

Key words: information society, informatization of education, e-pedagogy.

Cheremoshkina L.V. Active internet usage as an impact on cognitive abilities of high-school children

The article represents specific features of the long-term and systematic use of the Internet resources. The active Internet usage influences mnemonic, cognitive and attention abilities of 14-16 year old scholars. The article outlines the research results of cognitive skills by means of the Raven's progressive matrices, attention abilities by means of the correction task as well as the results of memorizing simple, complex nonverbal material by means of the diagnosis of mnemonic abilities of scholars. The length of their Internet use is till 1.5 year or from 1.5 to more than 3 years experience.

Key words: mnemonic abilities, cognitive skills, attention abilities, function mechanisms, operating mechanisms, regulating mechanisms, impact of Internet usage.

Foreign Life and Distant Land

Meier M.S. Prospects of the Russian-Turkish university relations

The article traced the history of university education in Turkey and the evolution of the principles that underpin the activities of public and private universities, shows the expanding possibility cooperation between Russian and Turkish universities and their significance for the further development of friendly relations between Russia and Turkey.

Key words: Ataturk, university autonomy, the Council for Higher Education, student exchange, language skills, science projects.

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Matter of Topical Interest

Yamburg E.A. "A teacher has been replaced by a dim-sighted bookkeeper"

The noted scientist and the teacher reflects upon the efficiency of reforms carried out in Russian education? Critically estimating management priority over social and training function of schools, formulates his strategy of the development of education.

Key words: Russian education, reforms, teacher.

Pedagogical Ideas

***Borovskih A.V., Popov L.V., Rozov N. Kh.* Concerns about educational standards**

In this paper the problems of standardization in Russian education are considered. The criteria that distinguish a standard (in the true sense of the word) from a non-standard are formulated. Relaxed options for standardization and their functions are described. It is shown that standards developed by the Russian Ministry of Education and Science are not the true standard in itself, and are represented as some unspecified projects. With reference to the current situation in education, there are subjects of standardization, the types of standards that are possible to use as well as the possibilities of further evolution of the standardization in the article. The human activity approach is proposed as one of the most promising basis for the development of standards in the future. This approach allows to characterize the content of education in terms of a five-layer system describing the development of children.

Key words: education, the standard, the subject of standardization, quasi-standart, abstract standard, the human activity approach, development.

***Berezhnova E.V.* The problem of production, systematization and transmission of knowledge**

The article points out that the quality problem of educational research has always been within eyeshot of the academic community and the “Pedagogics” magazine has been the major

ground for its discussion. In the Soviet times the discussions represented in this magazine allowed pedagogues to explain the rules of organizing the scientific research and its assessment that can be considered as the ideal of scientific cognition. Later on these rules were accepted by the State Commission for Academic Degrees and Titles of the USSR and still remain unchanged. The reasons for such a stable situation have been exposed. It is suggested that the management decision making without considering specific character of pedagogy as the science of teaching included in the liberal arts and the logic for its development can become an obstacle to the solution of this problem.

Key words: education studies, methodology of pedagogics, pedagogic scientology, thesis works, quality of educational research, liberal aspects of educational research.

Kudryashova T.G., Smirnov S.A. Strategic pedagogy as the next step in pedagogy development

In the article, we ground the essential signs which enable to distinguish the different phases in the development of the pedagogy, we analyze the causes for the second crisis in pedagogy, and we suggest the way of overcoming the crisis of classical pedagogy by moving up to the next phase of development of this science.

Key words: classical pedagogy, crisis, the next phase of development of science.

Ponomarev R.E. Educational spaces classification and teachers training

The article presents the basic principles of the theory of educational space. Based on the classification of educational spaces, the author examines the possibility of improving the training of future teachers of the classical university. He discusses the proposals to change the structure of the educational programs and training courses.

Key words: educational space, educational environment, classification of educational spaces, training teachers.

Experience of Practical Pedagogics

***Dobritsa V.P., Tanygin M.O.* About grade-rating system in the bachelor tutoring**

The problems associated with the rejection of the traditional system of a student's knowledge evaluation and the changeover to the grade-rating system are discussed. The advantages and disadvantages of the grade-rating system are described. The ways of eliminating its drawbacks are submitted.

Key words: grade-rating system, student's knowledge evaluation

***Daminova S.O.* Sources of information, optimizing the development of foreign language skills of monologue speech**

The article deals with the characteristics of video texts, audio texts, audio video texts which aim at developing the communicative competence, in particular foreign language monologue speaking skills of different students, including those who master the language getting a Master degree in chemistry in a non-language post-graduate institution.

Key words: text, audio text, video text, audio video text, monologue.

Reality of Pedagogical Education

***Fiofanova O.A.* Designing of the maintenance of textbook on pedagogics**

In article problems of designing of the maintenance of professional pedagogical education in the conditions of its modernization and introduction Federal state educational standards of new generation are considered. The scientifically-methodical approach to designing of the maintenance of the textbook on pedagogics in a context of a hermeneutics of modern

childhood is offered. Innovative forms of organization of educational dialogues of students in a context of a hermeneutics of childhood are considered.

Key words: a childhood hermeneutics, a social growing, inter-generational relations in prefigure-culture, professional pedagogical education.

IT in Education

Makhmutova M.V., L.Z. Davletkireeva L.Z. Innovative approach to IT-specialist training technology at the university

The paper discusses some aspects of the training of future professionals in the field of information technology at the University. Technology training of IT-staff has the feature compared to the training of specialists in other areas, which, in our view, is defined by the object of their professional activities. In this work the theoretical basis for constructing a model of educational information environment of IT professionals on the basis of joint use of traditional and distance learning technologies through teacher modeling.

Key words: IT professional training, educational information environment, training technology, modeling, didactic support.

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Question of present interest

Yamburg E.A. Where is the good of the professional standard for teachers?

The question of standardization applicability to the teaching activity and the problem of fair teaching qualification assessment are discussed in the article. The author claims that the

professional standard is the implementation tool for the education strategies. Therefore the standard is occasionally the subject to review. The quality changes in the teaching personnel training and retraining system are pointed out.

Key words: teaching activity, qualification, education strategy, teaching personnel training and retraining.

Pedagogical Ideas

Kolesov V.P. The priorities for modernization of the higher education are faithful, aren't they?

The article represents the major tendencies in terms of the higher education modernization in the country and the increase in quality of the teaching personnel training due to the renewal of syllabus and learning technologies as well as the organization of escalated institutional changes. It is available to show that the wrong priorities for the notorious “economic mechanism” search have become an obstacle on the way to understanding and solving the questions mentioned above. This search has led to unexact borrowing of the education voucher making idea and to the efforts of its practical use in terms of the interconnection between the Russian State Exam (RSE) and the State Registered Financial Obligations (SRFO).

Key words: education modernization, preparation quality, syllabus, learning technologies, multi-level education, life-long learning, student's status, teacher's status, making vouchers, the RSE, institutional changes, funding.

Mironov V.V. Concerns about the reform

The question of the essence of the education system restructuring in Russia in terms of the globalization arises in the article. The enumerated problems such as quality decrease and culture transformation occurred as a result of the system restructuring for the last 15-20 years. The

numerous examples of the education system changes in the European countries are given there. A lot of attention is paid to the process and the result of the Russian State Exam implementation as well as the engaging of Russian into the Bologna process. To draw a conclusion it is said that there is the theoretic and practical unpreparedness for the Russian education system restructuring and its devastating consequences.

Key words: education system, globalization, education quality, culture, the RSE, Bologna process.

Bel'skaya E.Yu., Popov L.V. On the question of the higher education quality

The article is concerned with problems, related to the quality in higher education. Current approaches to the notion meaning of 'education quality' in the world and Russian academies, issues of the education policy and efforts to monitoring and providing guarantees of education quality are being discussed.

Key words: quality in higher education, education policy, monitoring of education quality, guarantees of education quality.

Experience of Practical Pedagogics

Gubanov A.U. On the principles of pedagogical thinking and action

organization in terms of the educational problem situations

Article focuses on the structure of the educational problem situation and the features of teachers' actions in this situation. Fundamental contradiction between "normative" mode of action and the free search activity of students is typical of the situation. This contradiction is analyzed from different angles in the article. A distinction is made between the levels of partial operations of the teacher and general principles of pedagogical thinking and action.

The author formulates the principles of pedagogical thinking and actions that correspond to features of the educational problem situation.

Key words: educational problem situation, “normative” mode of action, the free search activity, pedagogical thinking, principles, partial operations.

The Voices of the Youth

***Kalinina A.I.* Essence of the “self-education” concept**

The objective of this article is the review and analysis of different terms of “self-education” and defining the most appropriate definition. The article represents the classification of notions in accordance with the certain criteria.

Key words: self-education, motive of self-education, classification of notions.

Foreign Life and Distant Land

***Mashkina O.A.* Shaping a new model for school teachers training in modern China**

Chinese Institutes for teachers’ training with its special characteristics different from classical higher schools formed at the 30-th of XX c. Being isolated closed system it failed to reorganize in accordance with new social-economic demands of changing Chinese society during the reforms of the end of XX c. The article analyzes factors that condition the appearance of new variable forms of teachers’ training in modern China.

Key words: reorganization of pedagogical education, qualification, structure of pedagogical training, professional competence of teachers, new requirements to teachers training quality.

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Question of present interest

***Malinetskiy G.G., Posashkov S.A., Kapelko O.N.* Education – Science – State.**

Problems and hopes

Giving the data about the academic decline of the graduates in Russia, particularly, in terms of mathematics, the authors are analyzing the top-priority fields of the world and national science. The historical evidence of national education policy and educational system development is represented there. The current state of education system is described as ‘fall down’. The Russian educational system destruction is very likely to lead to the strategic failure in state management in the future. The authors are drawing a conclusion concerning the indivisible connection between science and education as the system-forming social values and are formulating proposals for increasing the status of scientific work at the state level.

Key words: educational system, science, state management, status of scientific work.

Pedagogical Ideas

***Nazarova T.S.* General secondary education in conditions of uncertainty**

There is an attempt in the article to give consideration to the problem of the modernization of the current general secondary education in conditions of uncertainty that is caused by: the ambiguity in the top-priority objectives in terms of education, upbringing and development; the unformedness of the world, human, and cognitive complexity knowledge system; the lack of the certain multidisciplinary approach and methods in education as the base for the comprehensive outlook and the ecological ideology. The need for the pedagogical support for schoolchildren in their moving into adulthood with the educational models construction and

the further choice or the comparison of their variants is brought to notice. The possible ways to overcome the uncertainty are represented.

Key words: education, upbringing, world perception, complexity, outlook, world view, survival, moving into adulthood, knowledge synthesis and organization problems, metaphysics of choice and correlation, nonequilibrium systems, overcoming uncertainty.

Kozhevnikov D.N. From training models to assimilation models

In article training process which has to lead the trainee to outlook formation through outlook is considered. On the example of archetype model of training process of learning, transfer of experience, check of its assimilation and formation of knowledge of the studied phenomenon is considered. It is offered to form an image model by means of the various model representations integrated into didactic complexes of tutorials. According to current trends the main demands made to system of means of model presentation are allocated.

Key words: information saturation, interactivity, information convolution, image-model, training model, model experiment, polymodel interpretations, system of means of model presentation.

Experience of Practical Pedagogics

Slavgorodskaya E.L. On the basis of subject level of mental regulation

Experiment of school of sciences of O.V. Dashkevich on research of subject level of mental regulation of teenagers and teachers, and also own researches of the author on studying of students is generalized. Their novelty and the importance in comparison with other researchers of mental regulation comes to light.

Key words: subject level of mental regulation of activity, personally - activity and complex approaches, qualities of character in mental regulation, individual style of regulation, age features of regulation.

***Tsvetkova L.S., Tsvetkov A.V., Perekatnov D.V.* Information processing strategies in the students of middle and high school and their relationship with the education success**

It is considered traditionally that the success of the school education is related with the verbal information processing firstly, and processing of the visual and tactile perception in children with varying educational success were paid relatively little attention in research. It is shown, that the development of visual perception is the antithesis with educational success, and the positive correlation observed in tactile perception and spatial thinking. The study was carried out with the participation of the students of 5-11 classes with the analysis of the comparative productivity of modal strategies of information processing through the analysis of memory productivity.

Key words: strategies of information processing, educational success, students of middle and high school.

Reality of Pedagogical Education

***Naumenko Yu.V., Naumenko O.V.* New ideology forming the healthcare education in preparation of the modern teacher**

In clause substantive provisions of the author's concept of complex formation a phenomenon "health" in teaching and educational process are stated. Essentially new conceptual base is offered ("health", "a healthy way of life", "an internal picture of health" and "viability"), is shown its interrelation with other pedagogical concepts. The system pedagogical model of formation of a phenomenon "health" at rising generation reveals. Offered can form the methodological basis for preparation of the modern teacher. Object of activity of the teacher should become designing and realization of the Program of formation of a healthy and safe way

of life of federal state educational standards of initial general and basic formation trained according to requirements.

Key words: health, a healthy way of life, an internal picture of health, viability.

Events and Years

Bel'skaya E.Yu., Popov L.V. V.I. Vernadskiy as the academic, educator and organizer of higher education

The article represents the analysis of V.I. Vernadskiy performance as the academic, educator and organizer of higher education in Russia. The need for reconsidering, careful and creative development and use of the legacy of our great compatriot is stressed in the article.

Key words: V.I. Vernadskiy, higher education in Russia, organization and working principles of higher education system, higher education development program, noosphere, cosmic pedagogy.

IT in Education

Vachkova S.N. The influence of the global information environment on the educational atmosphere and way of school

The active process of informatization in society has led to the problem of accounting the influence of the global information environment on the educational atmosphere and way of the modern school. The article presents the results of the study of the influence on the example of 9 schools from four regions of Russia. The research has shown that modern students of all ages are actively involved in communication through various forms of communication on the Internet. At the same time the informational and communicational environment of the educational institutions do not meet the requirements of a full reflection in the students' eyes is not able to compete with other sources of information. The author has come to the conclusion

about the necessity of successful achievement of educational goals purposeful management school way of formation with fundamental changes and the development of ICT in an educational institution in conditions of the growing influence of global information environment.

Key words: global information environment, way of school, informatization, virtual space, social networks, school site.