

*Mikhail P. Starodubtsev*

**Organization of educational and upbringing process  
in the Marine Cadet Corps during the reign of Catherine the Great**

Abstract

The activity of the Marine Cadet Corps as an important part of the history of the domestic education system is discussed in the paper. Despite the imperfection of upbringing and education system, Cadet Corps immediately gained recognition from the nobility, as it replaced a gymnasium and university. Among Cadet Corps graduates were military officers, government officials, writers, artists. The Marine Cadet Corps played a huge role in the development of classical education in Russia as the program of training and upbringing was multifaceted. The idea of the research is the following: to analyze the process of formation and development of military education in the 18<sup>th</sup> century Russia with the contemporary scientific positions, to use the progressive ideas of that time for improving the theory and practice of modern military education, to justify the basic directions of improvement of the higher military school in the Russian Federation. Some archival sources are included in the scientific circulation for the first time.

**Keywords:** Cadet Corps, historical and pedagogical research of officers' training, process, requirement.

*Amir A. Khisamutdinov*

**Russian School in Alaska**

Abstract

Based on the author's field research and foreign sources, this article is about the Russian School program in the Old Believer settlements in Alaska (second half of the 20<sup>th</sup> – early 21<sup>st</sup> centuries). The author analyzes the issues of teaching Russian language to Old Believer to their children who know English. It is known that the American program and methodology of teaching Russian language includes respect for the cultural identity of Old Believers. For example, schools in Nikolaevsk in Alaska uses an unusual way of promoting the Old Believer culture through children's books. The publications are done by the Old themselves. With the help of the teachers, children are depicted in these works following is family lore, learning stories and songs, ways of sewing, recipes, traditional cuisine, etc.

**Keywords:** The Russian School in the United States, Old Believers in the United States, Russian publications in the United States, Russian Alaska, Russian identity in the United States, Nikolaevsk in Alaska

*Valentin M. Polonsky*

**Methods of Classification of Scientific and Pedagogical Research**

Abstract

The method for determining the type of research, based on faceted classification is developed. The type of research is determined on the basis of allocated facets. The typical combinations of signs (facet formulas) for definition of a type of research are given.

**Keywords.** Classification of scientific and educational researches, facets, fundamental research, applied research, development, facet formulas, types of research.

*Elena V. Sterlyagova*

**Organization of Training Based on Individual Curricula: Pedagogical Model**

Abstract

The model of training on individual curricula unfolding within the activity approach is described in the paper. The five basic components as the need-motivational, the substantive, the operational-effective, the approval-adjusting, the assessment-resultant are considered. The article can be used by pedagogical collectives of schools implementing the technology of individual educational plans and transitioning to the new federal state educational standards at the senior school.

**Keywords:** education content, innovation, individualization, individual curriculum, model, integration, management.

*Tatiana A. Makarova*

**Use of the Internet in Solving the Problem of Content of Education  
in Higher School: Analysis of empirical data**

Abstract

The analysis of the results of the survey of lecturers of Russian higher educational establishments dedicated to the use of Internet resources in the practice of higher school is presented in the article.

The author points out that the presence of information and technological culture allows the lecturer to use the network resources for solving problems of selection, designing and renovation of educational content. The basic advantages of using Internet resources positively changing the activity of a lecturer as well as difficulty maintaining a conservative position of lecturers are highlighted.

**Keywords:** Internet, Internet resources, content of education, higher school, information and technological culture of lecturer.

*Galina M. Makotrova*

### **Development of the Research Potential of Schoolchildren in the Conditions of Implementation of the Federal State Educational Standards**

Abstract

The development of the research potential of schoolchildren in didactic module in the context of the ideas of integrity, culture-genesis and system-genesis is presented in the article. The use of the idea of integrity allows to provide a harmonious combination of cognized and non-structured knowledge of schoolchildren, invariant and variant parts of the content, including scientific advances of the present time, problem- hypothetical knowledge, knowledge of tomorrow's science in the form of objects of observation or reflections. The culture-genesis idea makes it possible to determine the accents in the culturological composition of the learning content. The idea of system-genesis promotes understanding of the ways of selection of universal learning actions to be implemented in the solution of problems by the schoolchild.

**Keywords:** methodological approach, research potential of the schoolchild, assessment of dynamics, educational standards.

*Tatiana A. Sultanova*

### **Modern School: Topological and Prognostic Viewpoints**

Abstract

The space of modern school with the position of its versatility and integrity is presented in the paper. On the basis of the typological analysis the physical, symbolic and institutional viewpoints of space are highlighted. Their essential features in the context of forecasting the development of modern educational organization are described.

**Keywords:** spatial approach, topological analysis, educational space of the school, forecasting of the school development.

*Svetlana A. Volkova*

### **Didactic Aspects of Designing Chemistry Textbooks for Schools**

Abstract

The didactic aspects of designing of modern chemistry textbooks in the information-educational space are considered in the paper. The mechanism for updating the content of teaching and activities with the aim of developing a new generation chemistry textbooks through the optimization of the content and teaching methods is proposed by the author.

**Keywords:** chemistry textbooks, content of training, activities, state standard, scientific rationality, information and educational space, mechanism of updating the content of education and activity, optimization, digital educational resources, pedagogical technologies.

*Igor Yu. Sinelnikov*

### **Influence of the School on Health Condition of Pupils: Stereotypes, Realities, Risks**

Abstract

The negative trends in the sphere of children's health are formulated in the paper. The statistics and different points of view on the state of health of preschool and school-age children are presented. The existing problems in the organization of health protection of schoolchildren are emphasized. The main risks and the negative consequences of the current situation are identified. The ways of solving the existing problems and risks are suggested.

**Keywords:** health, school, stereotype, risk, health protection, overload

*Tigran E. Marionosyan*

**Foresight Technology as a Tool for Long-Term Forecasting of Education Development in the Post-Soviet Countries**

Abstract

The modern trend for active use of Foresight Technology in forecasting the educational processes in the global and national levels, occurring in the developed countries of the world as well as in the post-Soviet countries is considered in the article. The paper states that currently there is a gradual integration of Foresight into the existing system of forecasting and planning of education development and the use of Foresight Technology promotes the formation of long-term educational policy of the CIS (Commonwealth of Independent Countries) countries.

**Keywords:** Foresight, Foresight Technology, forecasting, forecasting education, education, education system, CIS, Commonwealth of Independent Countries, the former Soviet Union,

*Irina A. Tagunova*

**The knowledge, that enrich and change the theory and practice of education in the USA.**

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Abstract

Theory and practice of character education are considered in the article. The author of the article discloses different approaches and models of character education. The article traces the history of the character education development in the XX and XXI centuries.

**Keywords:** education, character, theory, practice, approaches.

*Lyudmila M. Perminova, Nadezhda A. Sharay, Larisa N. Nikolaeva*

**The Federal State Educational Standards of General Education: Declarations and Implementation**

Abstract

The article demonstrates that problems related to the realization of the Federal State Educational Standards of General Education are linked to unilateral approach to their implementation. Academic pedagogical community has repeatedly drawn attention to these problems. The realization of these standards is in focusing on the system-activity approach but the culturological theory of educational content has been ignored. While respecting the completeness of the methodological foundations of the Federal State Educational Standards of General Education, their implementation eliminates the problems which are mentioned by the publications and the didactic innovations are available to schools.

**Keywords:** Federal State Educational Standards of General Education, theory of educational content, system-activity approach, objectness as a "selection from ..., idea", objectness of teaching, subject modalities, general learning skills, function of scientific knowledge, logical and didactic approach, cultural and historical theory of personality development, representation and interpretation.