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## #1 2016

### **Institutional and infrastructure ensuring educational process of natural-science disciplines in the trudoudalennykh rural schools of Kenya**

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Institutional and infrastructure ensuring educational process in the trudoudalennykh rural schools of Kenya has the essential restrictions connected first of all with absence of the equipped laboratories, enough educational literature, transport

availability of schools. However these problems aren't an obstacle for the receiving full-fledged school education and successful test passing developed centrally by the Ministry of Education of Kenya for all schools. It is shown that a key factor is existence sufficient the number of the motivated teachers belonging to ethnos of compact accommodation in this region – Tahiti, the new instruments of assimilation of knowledge, praktikooryentirovanny approach which are carrying out constant search, the developing scientific and methodical tasks according to the level of school students.

Conclusion. At the organization of teaching natural-science disciplines practice of the greatest involvement of opportunities of an environment – the woods, agrarian territories and other natural objects for demonstration of separate provisions of objects is effective. Experience of Kenya shows that application of such approach and existence of enough motivated teachers allows to reduce significantly a difference between level of training of city and rural school students, especially regarding teaching natural-science disciplines that is the most significant for training of highly qualified specialists for rural areas.

It is possible to consider existence of such practice when forming priorities of development of school education in remote territories as practice of Alaska shows that even the most considerable financing can not lead to essential positive shifts in the field of reduction of differences in level of training of city and rural school students.

Keywords: natural-science disciplines, rural schools, education system, professional competences, formation of Kenya

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## Research of social and psychological climate of labor collective

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At the present stage of development of society the social and psychological climate of labor collectives plays an important role. This problem acquires relevance as requirements to psychological inclusion of the employee in the work constantly grow, mental activity of people becomes complicated and also there is a constant growth of personal claims that leads to strengthening of a role of management of working collectives. Especially important acts, creation in collective of moods of working search, mutual respect and insistence, intolerance to violations of norms and rules. Practice shows that the few enterprises have favorable social and psychological climate.

Recommendations about improvement of the social relations in labor collective are offered. Relying on results of the presented research, one may say, that holding the next trainings will be useful: unity training, team building training, team building, training of formation of team.

Keywords: social and psychological climate, labor collective, unity training, team building training, team building, training of formation of team

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# Organization of training - educational process of rural schools in the public education

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The questions about the organization of teaching - educational process in rural schools in the conditions of open education in the conditions of information, mass communication and globalization of teacher education. Keywords: Open education, rural education, information and communication technologies, rural schools.

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# Professional orientation work in youth policy of the area

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In this work we describe professional orientation work of an office of career guidance of Bokhansky teacher training college and department of youth policy of AMO "Bokhansky District". Joint actions of rural schools and department of youth policy on professional orientation work with rural school students are presented.

Keywords: career guidance, youth policy, rural school student, professional interest, personal and professional self-determination.

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# Cross-disciplinary aspect of ecological education

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In this article the fundamental role of cross-disciplinary aspect of ekologichesky education in the course of knowledge by students of agrarian higher education institutions of a uniform natural-science picture of the world, formation of holistic thinking, greening of scientific knowledge within a new scientific paradigm is defined. The author proves the provision that the new scientific paradigm assumes comprehensive study of a problem of a research and a complete scientific picture of the world, therefore, formation of the complete system of knowledge of the world focused on formation of new outlook of students can become the strategy of training in institutions of higher education. Development of modern ecological education is carried out within formation of noosphere knowledge and is inseparably linked with emergence of public ecological consciousness. The cross-disciplinary aspect of ecological education provides interrelation of teaching and educational, scientific and methodical and research work, promotes achievement of personal and professional results. The reasonings stated in this work lead to a conclusion about the formulation of the principle of interdisciplinarity based on interaction of natural-science and humanitarian disciplines. It is supposed that training in the highest educational institution taking into account cross-disciplinary aspect of ecological education promotes the international academic mobility.

Keywords: ecological formation, uniform natural-science picture of the world, ecological consciousness, holistic thinking, cross-disciplinary knowledge, noosphere knowledge, ecologuistic component of content of training

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## Features of educational process of indigenous people of Australia

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Features of training of indigenous people at rural schools the fact that parents of school students don't encourage them to the academic progress is. The neutral or negative relation to school education leads to decrease in progress even the most capable school students, doesn't allow to use positive model in the form of school achievements of parents. Have been developed for change of this situation and it is approved in a number of rural schools of Australia of the program of involvement of parents to formation of the Ya-concept of the school student as capable to mathematics and English. As a result of implementation of the program it has been shown that formation of the positive Ya-concept at the rural school students belonging to indigenous people has allowed to increase GPA of school progress to 3,5 on a five-point scale while more than a half of the rural school students belonging to indigenous people on average in Australia are poor. Development of the educational tools based on formation of the positive Ya-concept in relation to academic to results is the perspective direction of the pedagogical researches allowing to level the level of the academic achievements of school students as in relation to indigenous people, so in relation to country people in general, allows to avoid "vicious circle" of social vulnerability and isolation, to reveal the most effective models and methods of psychology and pedagogical influence for the purpose of formation of the positive Ya-concept. Therefore synthesis of experience of such problem area as training of indigenous people of Australia is significant for application when developing the Russian educational programs, including in relation to training at rural schools of indigenous people.

Keywords: educational process, Australia, Ya-concept, school, training model

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## Electronic publications for educational purposes in mathematics lessons in the rural schools of the Republic of Dagestan

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The ongoing Informatization of education requires changes in educational process of rural school, particularly in teaching school mathematics. In this process the special place is occupied electronic publications for educational purposes, which can be obtained from the educational web portals.

Keywords: mathematics lesson, a rural comprehensive school, e-publications, educational purpose, educational Internet portals.

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## Education on the basis of the modern IT as an incentive of social development of the village

**Kolesnikov S.V., Demidov L.N., Ternovsky V.V. Ternovskov V.B.**

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Today there is a serious lag of rural schools in the field of level of training of graduates, equipment by the modern means of telecommunication, communication of an ADP equipment and peripheral devices and also in the field of the modern, including innovative forms, methods and means of teaching and training. The most important condition of overcoming the available lag of rural schools is support of efficiency of teaching and educational process, quality of general education training of her graduates.

The organization and setting of teaching and educational operation in small rural schools by analogy with big city schools lose the efficiency. In small schools when saving uniform requirements to knowledge and abilities of pupils the changed conditions of teaching and educational process impose also the requirements to the organization and carrying out it. Special conditions are connected not only to small number of pupils, but also specifics of operation of the teacher in the conditions of combination of teaching a row of subjects. What affects negatively the level of the graduates continuing further training in averages, specialized secondary educational institutions and the higher school.

Keywords: education, IT technologies, training, social development of the village, education system

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## Formation of abilities of the analysis and synthesis when training in mathematics

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MFPU "Synergy"

Formation of thinking in development of mental abilities of students – one of the basic purposes of any education. All cognitive operations, such as analysis, synthesis, comparison, generalization, abstraction, a specification, have arisen as practical operations and only over time became operations of thinking, methods of scientific knowledge.

Each act of thinking depends on style of cerebation of the student and on the level of availability to him of the offered task. For this reason the same example, different students solve differently, and some don't cope with them at all.

Thus, educational and educational functions of the teacher consist in distinguishing, differentiating students on mental, cognitive and other psychological capacities and to give them the chance (to be exact, to help them or to force if it is necessary) to study, adhering to one of the principles of training "... from a lung to difficult, from simple to difficult, from known to the unknown" (Ya.A. Komensky).

Keywords: mathematics, teaching, discipline, training, technique

## About current problems of training in physics at rural comprehensive schools

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In this article some problems of training in physics, in particular at rural comprehensive schools in preparation of a SFE and the USE are considered. Such problems of the SFE and USE organization for physics as are revealed: outdated material and technical resources; insufficient level of financial security; weak staffing; lack of modern means of communications; language barrier; poor

quality of education; lack of an opportunity to use the Internet; stay the examination site (ES) for pupils of mountain areas in the center of the area problems of their solution on the basis of an integrated approach are also proposed.

Keywords: current problems, training in physics, rural comprehensive school, SFE and USE, FGOS of the main general education, integrated approach.

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## #2 2016

# The role of stereotypes in modern multicultural society: towards problem statement

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The urgency of the topic is stipulated by the importance of the problem of the stereotype influence upon individual perception of another person in modern multicultural society. The purpose of the research is to reveal the cause of appearance of stereotypes as well as to work out the content of the instructional material, methods and forms of instruction aimed at the formation and development students' knowledge and skills of the right interpretation of the ideas concerning a person of a different culture.

Keywords: stereotype; stereotype threat; social, mental, cultural, ethnic, lingual, gender stereotypes.

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# Problem of assessment of representativeness of pedagogical measurements in the context of modern school: methodological and technological aspects

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The purpose of work is the research of a problem of development of a technique of validity of pedagogical measurements in the conditions of modern school in the conditions of transformation of an educational paradigm of the general education. As a result of a research in work it is shown that the problem of objectivity of representativeness of pedagogical changes is defined by the fact that all possible communications between the competences realized as a result of training process aren't always defined, there isn't always an opportunity to define typicality of development of new data and also the certain criteria of distribution of the phenomenon which are expressed in distribution of knowledge. Therefore development of methodology of justification of objectivity of pedagogical measurements in the conditions of school it is necessary to develop epistemological criteria of objectivity of their representativeness.

Keywords: school education, pedagogical measurements, objectivity of representativeness, paradigm of the general education, epistemological criteria

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## Organization educational process in rural school of multimedia- and web-technologies

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The question of informatization of school education not only hasn't lost in the last decade the relevance, but also more and more sharply finds reflection in scientific publications and is regulated in normative legal acts. Unfortunately, information and hardware of rural schools has essential difference from a condition of informatization of city educational institutions that is caused not only problems of financing, but so-called, by "staff shortage". The lack of the qualified pedagogical shots in the field of informatics and information and communication technologies, affects also insufficient training of pupils, and as a result, at the information level of educational institution. In article questions of the organization of educational process of rural school with use of modern information technologies are considered: multimedia and web.

Keywords: *information* and communication technologies, distance education system, multimedia technology, web-technology.

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## To a question of integration of the course "Computer Information Technologies" with basic mathematical education it is aware of mathematics

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Use of information technologies essentially will transform cogitative activity of the person. It is formed not only logical, but also critical thinking – the qualities necessary for development of new style of thinking, at the same time increases the general level of intellectual activity. Successful functioning of the expert in high-tech society requires constant replenishment of knowledge base, skills. The main task of the higher school – to raise professional and social competence of university graduates including sociologists, to teach them to be guided in a flow of constantly changing information, to think independently, critically, creatively.

Today it is impossible without mastering students knowledge, abilities, skills of use of information technologies in the sphere of future professional activity.

Keywords: Computer information technologies, mathematics course, the higher school, competence of university graduates

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## Computer literacy at rural school

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The sound course of computer literacy without programming which widely covers as theoretical material, including the new basic sections necessary for the modern competent person is created. and the laboratory works on bases of modern computers expanded with computer games. The course was developed in the course of long-term training in informatics of humanists at the higher school. The development and a possibility of use at remote training this course is of great interest to training at rural school.

The theoretical course of computer literacy which expands a concept of theoretical informatics within high school at the expense of the following subjects is presented: coding of symbols, typing, Bezier curves, models of color, sampling of a sound, tree of directories, raster. Also in this course there is a developed terminological system.

The practical course of computer literacy consisting of big step-by-step laboratory works is described. The new concepts characterizing laboratory works on computer literacy are entered: the self-checked laboratory works, two-level tasks, "the principle on the contrary".

Theoretical justification and concrete recommendations about use of logical computer games when training computer literacy are given.

Keywords: Computer literacy, rural school, theoretical informatics, Bezier curves

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## Application of mathematical statistics in processing of results of a psychology and pedagogical research

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As a result of a psychology and pedagogical research experimenters face the large volume of experimental data. The studied characteristics demand competent, effective interpretation, apply statistics to this purpose. In article mathematical methods of processing of experimental data, assessment of distinctions, correlation the analysis is considered. The theoretical information and a formula for calculation of standard tasks are supplied.

Keywords: pedagogical researches, selection, zero and alternative hypothesis, ranging, median, Pearson's criterion, Spirmen's criterion, formula of the poelementary analysis of A.A. Kyveryalga

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## Resources of the educational environment of modern rural school

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In this article we have tried to define the main resources of the educational environment of modern rural school and also influence of multinational society on development of the creative, independent, active, responsible person. Various theoretical positions of influence of the educational environment on development of the identity of rural school students are analyzed.

Keywords: educational environment, rural school, profile training, rural school students.

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## Some problems of teaching the subject "informatics and ICT" at rural school

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Object of studying of the modern school subject "Informatics and ICT" are the structure of information and methods of its processing. There were differences between informatics as science with own subject domain and information technologies. In recent years the school subject "Informatics and ICT" came to qualitatively new stage of the development what FGOS of Ltd company of the second generation testifies to. In article the questions concerning to modern problems in teaching the school subject "Informatics and ICT" are considered, problems of his teaching in the conditions of rural small school are allocated.

Keywords: problem, informatics and ICT, rural school

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## Features of use of information and communication technologies at mathematics lessons at elementary rural school

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In article some features of application of ICT at rural school are considered when training children in mathematics. Use of ICT at lessons allows to differentiate educational activity, to make active cognitive interest of pupils, to develop their creative abilities. ICT do mathematics homework more evident and visual that promotes the best understanding and assimilation by younger school children of the studied material.

Keywords: *information* and communication technologies, training of children, game technologies, interactive board.

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## **The formation of the information culture of personality under the conditions of implementation of federal government standards**

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Formation and development of information culture of students includes formation and development of educational and all-user ICT competence, including: abilities to cooperation and communication, to independent acquisition, replenishment and integration of knowledge; abilities to the decision it is personal also socially important problems and to the embodiment of decisions in practice with application of means of ICT. Today it is necessary that each teacher of any school discipline could prepare and conduct a lesson with use of ICT. In the article the features of ICT use in the formation of information culture of students and teachers in the midst of implementing GEF LLC.

Keywords: information and communication technologies, information culture, educational standards.

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## **#3 2016**

### **About features of modern educational systems**

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Modern information technologies and rapid expansion a variety of network educational services has caused a stream of innovations on reorganization of the existing educational systems of all education levels – from school to higher education institution. As a result, the character and dynamics of interaction the pupil - the teacher changes. It essentially influences the choice of methods, forms and technologies of training.

Keywords: modern educational systems, Modern information technologies, educational services, education, Internet, teacher, pupil, optimization

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## **Synergy approach and simulation educational space of a rural education system**

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In recent years interest from different areas of scientific knowledge in methods and the principles of the theory of self-organization becomes more and more noticeable. Numerous loan of the appropriate terminology to the area of humanitarian knowledge is watched. The synergetics creates the special design approach of innovative activities in the sphere of rural education. Essentially the different view on the system of rural education allows to predict and adjust step by step results of administrative activities at the rural school constructed on the basis of synergetics paradigms.

Keywords: synergetics, rural education system, simulation educational space, synergy approach

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## Problems of pedagogical education in modern conditions

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MFPU "Synergy"

Now in the conditions of informatization of society before education there are all new problems connected with training of professional staff. The main task of the higher school in these conditions – to raise professional and social competence of university graduates, to teach them to be guided in a flow of constantly changing information, to think independently, critically and creatively. However the problem of increase in professional competence of the teacher remains relevant, the aspect of formation of professionally valuable attitude towards the personality is especially relevant

Keywords: pedagogical education, competence, personality, informatization of society, university graduates, professional competence of the teacher

## Information and system approach to a research of pedagogical system as parts of social system

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The pedagogical system is considered as a part of social system of society. Information and system approach to a research of pedagogical system is based on consideration of the general regularities of development, in particular – on the basis of consideration of pedagogical entropy.

Keywords: Information and system approach, pedagogical system, social system, society, regularities of development, pedagogical entropy

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## Development of research competences of the studying rural schools

### **Badashkeev M.V.**

Tarasinsky High Comprehensive School

In this work the author considers organizational and pedagogical actions in the light of the latest educational paradigm where key competences of students are regarded as of paramount importance, we in turn consider that development of research competences of rural school students will allow to increase competitiveness with city peers and also there will be positive dynamics of efficiency of teaching and educational process, research activity, psychological readiness for self-education.

Keywords: competence, research competence, development, rural school student, personal and professional self-determination, educational environment.

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# Purchases of an education system of the city of Moscow as factor of development of efficiency of activity of the educational organizations

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According to article 26 of the Law on contract system, 67-PP and 1088-PP Moscow Department of Education (further – DOGMAS) have developed and has sent to all the subordinated institutions for use in work "An order of interaction of State governmental agency of the city of Moscow of Directorate on operation, the movement and accounting of fixed assets of the Moscow Department of Education (further – Directorate of DOGMAS) and state budgetary institutions, function and which powers of the founder are assigned to the Moscow Department of Education, when determining suppliers (contractors, performers) on purchases of the second level" (further – the Order of interaction).

Keywords: state procurements, educational organizations, educational activity, Moscow Department of Education, order of interaction, education

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# Entity of the concept "professional competence"

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The modern realities of professionalism, management and control of the organization imply changes of strategy, structures of the company, tools and methods of management that is caused thanks to high dynamics of internal and external factors, occurring under the influence of different forces, such as development of the modern technologies, social and cultural changes of society, etc. The economy which is based on knowledge led to the fact that the companies which are based on bone organization structures, the settled business processes come to fading in development because it considerably reduces efficiency of response to dynamically changing external environment. G. Hemel reads that in the modern non-linear world only those people who think non-linearly [37] most effectively can work.

For increase in competition of the organization in the conditions of permanently the changing market environment, it is important to understand the significance of change of company management: from control of subsystems of the organization to control on the basis of professional competences.

Keywords: professional competence, competition, economy, market environment, education

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# Pedagogical conditions of formation of valuable rural teenagers of orientation

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The article considers pedagogical conditions of formation of valuable orientations of rural adolescents, the relationship of school and society, the specific features of rural society and rural schools and their influence on the development of valuable orientations of rural school students. Currently, the school and the family paid little attention to the development of value orientations because of other tasks. The school deals with education, family - provide financially. Therefore, the development of value orientation in

the village should be engaged in youth associations and centers working in an educational institution which is the social and cultural educational center "Unity". **Key words:** value orientation, rural schools, development trends, education center.

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## Formation of professionally important qualities of the identity of the military expert

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Modern higher military school including military and engineering higher education institutions, is important public and army institute of professional education of cadets. The pedagogical mission of the military and engineering higher education institution leading and the faculty consists that they realize educational potential, help cadets to use fully personal and military and professional opportunities, stimulate their requirements and motives to self-education of professional and significant qualities of the personality. The efficiency of work with the personal and military and engineering potential of cadets depends generally on professional and educational activity of officials and teachers, formation at them high pedagogical culture, etc.

Keywords: military expert, pedagogical culture, Modern higher military school, pedagogical activity, educational activity

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## Research of interrelation of the interpersonal relations and xenophobia

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In work the review of the basic theoretical provisions to studying of the interpersonal relations is presented, to xenophobia and their role to activity of the person. Results of an empirical research during which interrelations of levels of xenophobia, tolerance and the interpersonal relations are revealed are presented.

Keywords: interpersonal relations, xenophobia, conflict, tolerance.

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## **Psychological correction of a stress at students by method of an autogenic training**

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In this article results of one of researches on psychological correction of a stress at students carried out in 2014, one of the most important problems of modern society – continuously growing stress level among the population are described. And in this article the method offering an effective way of the solution of this problem and the description of a research is considered.

Keywords: stress, problems, tension, person, career, overload, relaxation, opportunity, anti-stress, training, rest, correction, autogenic training.

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## **Diagnostics of formation of the valuable relations students in physical culture**

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Diagnostics of formation of the valuable relations by the student and physical culture performs at the same time training control function, promoting their self-knowledge, a reflection of sports activity.

Pedagogical assessment and the student's self-assessment acts as the indicator of level of formation of the specified relations. The self-assessment is, in general, an objective indicator as it reflects true opinion of the student in the personal focused educational process. With accumulation of experience in training process she becomes rather reliable.

Keywords: Diagnostics, physical culture, students, indicators, self-knowledge

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## **Problems of introduction of innovative technologies of training for development of intelligence and creativity of students economic specialties**

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With the innovative development of the education system, the knowledge economy is directly connected. The idea underlying the knowledge economy is that the economic profit generated by knowledge significantly exceeds the amount invested in its creation.



Observations of the learning process and analysis of the quality of the study of economic and mathematical disciplines show that the methods used do not have a sufficiently developed theoretical and methodological basis for the development of creative abilities in students of economic specialties in the process of teaching these disciplines.

For this reason, the training of specialists in the economic specialties of universities needs the development and implementation of fundamentally new educational technologies oriented to the development of creativity, adaptation and socialization in modern society

Keywords: innovative technologies of training, development of intellect and creativity of students, economic specialties, education system

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## Modernization of technologies of the electronic diary for the purpose of increase in efficiency of secondary education

### Konash A.V.

FGBOOU WAUGH "REU of G.V. Plekhanov"

This article describes the information technology in the education system. Identified advantages of modern technology in the classroom relative to teachers and parents. The possibilities of parents and children that gives them the electronic diary. The identified problem is an electronic diary and a way to solve it. Affected by the problem of motivating children to good school performance.

Keywords: motivation, problems, children, students, education, information technology, electronic diary, opportunities.

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## Motivation. How to increase interest in study at the child

### Shenkevich V.A.

FGBOOU WAUGH "REU of G.V. Plekhanov"

This article describes the problems of motivation of children, as well as possible solutions. The reasons due to which the reduced or lost interest in learning. Identified and justified the most effective ways to motivate children. On the basis of research by the author proposed a new method of motivation, based on surveys sets, which is a platform for modern technologies.

Keywords: motivation, problems, children, students, education, and technology.

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## Courses on training of qualified personnel for the event-sphere, tourist sphere and children's animation

### Gubanov V.N.

FGBOOU WAUGH "REU of G.V. Plekhanov"

This article deals with the problem of expensive research and training of internal forces. The basic stages and difficulties in finding and training new employees. We outline an alternative that will help make the process cheaper and quality for companies operating in the event-sector, the tourism sector and children's animation

Keywords: staff qualifications, children, students, agency, travel agency, animator, skills, abilities, training, employee.

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## Development and the description of the business idea on the example of school animators and leaders "Hello, Animation!"

**Kuzmin S.M.**

FGBOOU WAUGH of "REU of G.V. Plekhanov"

In this article, the school animators "Hi, animation!" "As a business idea. The description of the items that are needed for the description of the project, claiming to be called a business. The problems that exist in the market, described the launch risks of the project, dismantled the existing competitors. In this article illustrated by the creation of a chain of school values.

Keywords: staff qualifications, children, students, agency, travel agency, animator, skills, abilities, training, employee.

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## Importance of financial literacy in an education system of school students

**Chetverkin S.B.**

FGBOOU WAUGH of "REU of G.V. Plekhanov"

This article describes the information technology in the education system. The possibilities of parents and children that gives them financial literacy. The problem of financial education and offers a solution. Affected by the problem of motivating children and parents to the study of financial questions.

Keywords: finance, motivation, problems, children, students, education, information technology, opportunities.

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## Financial literacy of school students: experience of Great Britain

**Nesterovich V. P.**

FGBOOU WAUGH of "REU of G.V. Plekhanov"

The article describes the results of a research of financial literacy of UK teenagers. The basic trends and performance indicators spread financial literacy among young people. Reflects current problems of the financial education of teenagers. A solution to the problem improving financial literacy of teenagers has also been proposed.

Keywords: financial literacy, problems, children, students, education, research

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## Comparative analysis of ways of development school formations of Russia and Australia: the past and the present

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Comparing development of two systems of school education, Australian and Russian, the first that arises by itself, is that fact that at the Russian system the history is much longer. Certainly, this results from the fact that the history of the Russian state is objectively longer than history of the Australian state. However It should be noted that Australians have begun to build the system on an image of the British system as the Australian

states were initially colonies of the British crown. Thus, it is possible to say that the first Australian schools for the creation already had a certain history. But, in general, the Russian system of school education has more difficult periodization.

Keywords: Comparative analysis, education, system of school education, Australia, Russia

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## #2 2017

### Activization of cognitive activity of pupils of schools at the solution of geometrical tasks

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The article discussed the following especially training of geometry in school, stages in the formation of spatial representations of pupils and the role of solving geometric problems, the role of solutions for geometric problems of activization of informative activity of pupils, differentiated approach for solving problems on the didactic purpose, elementary task of building - as a factor in the development of spatial representations of pupils.

Keywords: education, geometry, spatial concepts, geometrical figure, cognitive activity, task.

### Some methodical aspects of training in informatics and ICT at rural school

**Magomedov T.D., Vezirov T.G.**

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In this article author's vision problems of a technique of training in informatics and ICT at rural school of the Republic of Dagestan are considered. Some reasons of bad training of pupils of rural schools on informatics and ICT are listed.

Keywords: a computerization of rural schools, ICT in education, training of pupils of rural schools.

### Status and development of educational activities of schools of arts in rural areas

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In operation the significant role of children's schools of arts in the modern society as the younger generation is the capacity of any society is marked, and the high level of culture and spiritual development of children and teenagers promotes potential security of society from a possibility of planting of pseudo-cultural values. At the same time, the preprofessional programs provided in the fields of arts envelop all fields of arts, including folk art to which such programs as national tools, musical folklore and arts and crafts creativity belong. It is shown that growth of number of children in rural areas happens against the background of lowering of number of children's schools of arts and their workers that is a negative tendency.

Keywords: children's schools of arts, arts and crafts creativity, rural areas, school education, folk art.

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### Innovative concepts of development of educational process at rural schools: synthesis of the international experience

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Purpose. The purpose of work is generalization and systematization of the international experience of introduction of innovations in educational process at rural schools. Methodology. The methodology of work includes the general and special methods of

scientific knowledge - the analysis, synthesis and comparison and also pedagogical modeling and design. Results. In modern conditions all concepts applied in developed and developing countries have system restrictions. Application of the existing approach keeps disparity between quality of education in the conditions of city and rural schools. Decrease in this disparity is possible at essential increase in financing what experience of EU countries demonstrates to that it is possible only in case rural territories aren't remote, as in a number of regions of Russia or the USA. At the same time integration of schools allows to lower costs of financings and partially solves the system restrictions connected with providing schools with highly skilled teachers, however at the same time leads to the social problems connected with system restrictions of interaction of family and school reduces motivation of parents regarding the most effective receiving school education by children. Universal application of distance learning at school reduces the academic progress of pupils and leads to social isolation and problems of socialization. The standardized adaptation of training programs according to specifics of rural areas leads to reduction of opportunities of school students in continuation of education in higher educational institutions. At the same time there is a number of the effective tools allowing to improve separate elements of educational space of rural school and all of them are based on achievements in the field of sciences, adjacent to pedagogics, – psychology and sociology. Conclusion. At the choice of the concept of transformation of system of school education in the conditions of rural school it is necessary to use the separate, most effective tools based on achievements of sociology and psychology, to consider specifics of social and economic space of rural areas, however to carry out it by means of flexible tools, without use of the standardized instruments of adaptation of educational programs.

Keywords: educational process, rural schools, school education, training programs

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## To a question of development of mathematical culture of students of humanitarian specialties

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Instilling of culture in the person begins with his birth. Maturing, the person is socialized in society, gets and develops the general education level. The culture of the person is many-sided, and one of her parties – culture mathematical. Development of logical style of thinking which allows to analyse current situation fully concerns to her, having presented her as a mathematical problem (model), accurately to formulate a task and to find an optimum way of her decision. But mathematical thinking doesn't come down only to logical reasonings. For the correct problem definition, for assessment of the choice of a way of her decision also the mathematical intuition is necessary.

Keywords: students of humanitarian specialties, mathematical culture, mathematical thinking

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## Online training on informatics and ICT as means of development of informative interest of pupils of rural schools

### Zeynalov E.D.

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The article discusses the issues of using interactive learning in the development of cognitive interest of pupils of rural school on the lessons of Informatics and ICT. Selected educational sites that teachers of Informatics and ICT used in the preparation of lessons in Informatics and ICT, enabling the development of cognitive interest of pupils to a subject.

**Keywords:** interactive learning, mathematics, cognitive interest, rural school, educational websites.

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## **Programming as development tools of algorithmic and logical thinking**

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Training of the modern expert capable on the basis of computer programming increases the level of the information competence and expands the horizons of professional activity. The study of bases of algorithmization and programming is aimed at the development of algorithmic and logical thinking of pupils, at formation of such fundamental knowledge as model, simulation, a computer experiment. It, in turn, puts informatics course in one row with natural-science disciplines, such as physics and mathematician. The main task of school consists in that not only to give knowledge, but also to create resistant motivation to training, to induce pupils to self-education, connected to development of their innovative and critical thinking. In operation some types of programming of the Python language which are actively used in educational space of school, in particular in training of school course of informatics now are considered.

**Keywords:** Python, programming, information technologies, means, intellectual feelings.

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## **Research of the motivational sphere of rural medics**

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In work the review of theoretical approaches to studying of the motivational sphere of the personality, its structure and the characteristic is carried out. Results of an empirical research during which interrelations of components of the motivational sphere of paramedical staff are revealed are presented. Recommendations about increase in professional motivation of staff of medical institutions are offered.

**Keywords:** motive, motivation, motivational sphere, professional motivation, work of average medical personnel.

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# Means of informatization and communication in training of bachelors-ecologists in the conditions of the information and communication environment of teacher training University

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Now the problem of ecological education of future teachers is particularly acute. The relevance of theoretical justification and design of system of ecological training of bachelors of natural-science education at the pedagogical university is caused by political and social and economic conditions, factors of development of innovative processes in education. Entry of the Russian system of the higher education into the European educational space, modernization of the higher pedagogical and general education dictate new requirements to training of teachers. For implementation of educational programs with application of electronic training and remote educational technologies a high-saturated information and communication environment of teacher training University has to be created.

Keywords: means of informatization and communication, pedagogical higher education institution, Russian system of the higher education, bachelor degree

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# Ways of a pedagogization of the educational environment of modern rural school

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The modernization processes happening in economic and socio-political spheres of modern society impose new requirements to all forms and education levels. Therefore we consider that the pedagogization of the educational environment of modern rural school is fundamental in professional orientation work of rural school and a basis of educational work with younger generation. Socialization of rural school students at the present stage of social and economic development happens chaotically, unstably, there is a discrepancy of behavior models, lack of professional vision of a course of life, uncertainty concerning the future. In this research the main ways of a pedagogization of the educational environment of modern rural school are presented and also the social conditions of educational space of the modern village influencing development of the identity of rural school students are considered.

Keywords: pedagogization, educational environment, rural school, profile training, rural school students.

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# Methods and models of representation of knowledge in the integrated intellectual systems of educational appointment

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For representation of knowledge in the intellectual systems (IS) there are various ways. Existence of various ways is caused first of all by aspiration with the greatest efficiency to present various types of subject domains. Usually the way of representation in IS is characterized by model of representation of knowledge.

Keywords: models of representation of knowledge, intellectual systems, education, field of knowledge

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## Problem of increase in analytical culture of teachers

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In article it is told about need of carrying out research work for educational institution and increase in opportunities of teachers for the organization of scientific research and data processing of these researches.

Keywords: analysis of data, analytical culture, research, experiment, statistical methods.

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## The organization innovative activity at rural school

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The organization of innovative activity at rural school represents difficult, contradictory process as modern requirements and tasks from society and the state not always have concrete outlines and therefore teachers innovators constantly are in process of innovative activity. For many years Russian education is in a condition of an innovation with a many-sided wide range of tasks.

Keywords: innovation, rural teacher, teacher innovator, innovative activity, rural school.

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## About methodological aspects of implementation of procedures of training of systems of artificial intelligence

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In the systems of artificial intelligence for control of structure the procedure of training is implemented. The general methodological aspects of implementation of procedures of training of systems of artificial intelligence and pedagogical systems which are based on similarity of procedures of training of the person and artificial models on the basis of which cognitive activity of the person is modelled are shown in article.

Keywords: artificial intelligence, training, training of systems of artificial intelligence

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## Features of moral and esthetic education of cadets of military higher education institutions

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Modern social development of Russia sharply put a problem of spiritual revival, reforming of thinking of masses. This question acquires special relevance in the environment of moral and ethical education of the military personnel where the feeling of devotion to the Fatherland is formed, love for the country, the people and readiness to protect them.

In this regard the need for activation of activity of military higher education institutions for overcoming negative tendencies, development of the humanitarian, emotional beginnings of educational process, formation at students of the integrated esthetic relation to life, rising of readiness of the person for conscious including in process of own moral development, independent work on itself increases. Thus, the moral and esthetic good breeding of the person – the purpose and result of moral and esthetic education – represents the integrative property providing a subject position of the person in situations of the moral choice, an esthetic perception of the phenomena of reality, the conscious relation to life in all its implications, improvement of the world around on the basis of moral and esthetic values.

Keywords: moral and esthetic education, cadets of military higher education institutions, modern social development of Russia, spiritual revival, integrative property

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## Verification of pedagogical hypotheses within the framework of the dichotomy "city-village"

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The aim of the work is to study the methodological problems of verifying pedagogical hypotheses in various aspects in general and taking into account the differences in the implementation of the pedagogical process of the urban and rural schools. When studying the dichotomy "city-village" in verifying pedagogical hypotheses, it is necessary to consider not only the position of social implementation of the pedagogical process. It is also important to transform the methodology of scientific research in the social sciences as a whole - to increase the role of research methods in the development of algorithms for analyzing large data sets and to reduce the role of the personality characteristics of the researcher for the formation of pedagogical hypotheses, including in relation to the rethinking of his own pedagogical experience, in the basis of their formation. In modern conditions, all this leads to the need to rethink the whole approach to the formulation and verification of pedagogical hypotheses in general, and the ratio of the dichotomy "city-village" in particular.

Key words: pedagogical hypotheses, verification of hypotheses, transformation of the scientific paradigm, dichotomy "city-village", methodology of social sciences

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## Personnel training methods in the sphere of tourism

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*Training of personnels in tourism consists in teaching labour skills, to necessary for upgrading the given services. Existence economic of effective company in the field of tourism is impossible without the carefully thought out system of in-plant training shots. Such system must be perfectly organized in the plan of accordance of the programs of teaching the current and future necessities of tourist company, equipped at high technical level and to be part of whole strategy of company.*

**Keywords:** preparation of personnel, teaching of personnel, departmental teaching, standards of service.

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## Synergy concept of development of rural school

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The concept of structural stability in relation to the education system in the most condensed form expresses the idea of innovation - the emergence of a new engine and new features, including the presence of positive feedback loops between the education system and its external environment. One of the components of the external environment is a science. An important place: the mechanism of formation of dissipative structures interdisciplinary meta-conceptual apparatus and synergistic analysis.

**Keywords:** Synergetics, synergetic paradigm synergetic concept of education, meta-dissipative structures and self-organization, nonlinear processes and the positive feedback loop of a complex system with the environment.

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## Activization of cognitive activity of pupils of schools at the solution of geometrical tasks

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The article discussed the following especially training of geometry in school, stages in the formation of spatial representations of pupils and the role of solving geometric problems, the role of solutions for geometric problems of activization of informative activity of pupils, differentiated approach for solving problems on the didactic purpose, elementary task of building - as a factor in the development of spatial representations of pupils.

**Keywords:** education, geometry, spatial concepts, geometrical figure, cognitive activity, task.

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