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PUBLIC EXPERTISE OF SCHOOL EDUCATIONAL PROGRAM AS A RESOURCE FOR HUMANISTIC PEDAGOGY  
AND EFFECTIVE MANAGEMENT ..... 4

*The article discusses the relevance of external expertise of school educational programs with public participation in the framework of the independent assessment of education quality. The necessity of humanitarian orientation of expertise and socio-professional format of its implementation is substantiated*

**Key words:** educational school program, independent evaluation of the quality of education, public expertise, humanist pedagogy, school management

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PEDAGOGICAL MAGISTRACY: STANDARDS REQUIREMENTS AND NEW MODELS ..... 10

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**Key words:** magistracy, teacher training, modular training program, professional standards, competencies, school education

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DEVELOPMENT AND USE OF THE ELECTRONIC TEXTBOOK  
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*The paper presents the definition of the electronic textbook, and describes the conditions of its pedagogically appropriate and efficient use in the educational process of general secondary and vocational education. The necessity of multi-functional expertise of the electronic textbook is substantiated*

**Key words:** electronic textbook, possible negative consequences of electronic textbook using, didactic opportunities of information and communication technologies, pedagogical and ergonomic quality of the electronic textbook, technological realization of the electronic textbook

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*The article describes the methodology of the constructive approach in education. Innovative forms and methods of teaching based on constructive learning theory are offered as recommendations*

**Key words:** constructive approach, constructive learning, new school, self-governing process, training activities

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PROBLEMS AND POTENTIAL FOR IMPLEMENTATION OF TEACHER'S PROFESSIONAL STANDARD  
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*The article deals with the problems of the forthcoming implementation of the professional standard for teacher, estimates the risks of enhancing standardization in education. It formulates a set of principles, ideas, and provisions defining the essence of the model of the process of implementing the teacher's professional standard*

**Key words:** professional standard, standardization in education, normology and standardology in education, professional-and-pedagogical quality of teacher

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LEADING STRATEGIES OF DESIGN OF ANDRAGOGICAL PRACTICES IN ADULT LEARNING ..... 33

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**Key words:** adult training, educational and cognitive activity, andragogical practices, features of practice and their real form

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ENGINEERING PEDAGOGICS AND ITS APPLICATION IN VOCATIONAL TRAINING OF ENGINEERS ..... 37

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**Key words:** engineering pedagogics, pedagogical system, learning activity approach, technical knowledge transfer approach, educational technologies, teaching methods, binary lecture

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*The article shows that the strategies of development of cluster systems are connected with the problems of regional policy, labor market demands and resources of educational organization*

**Key words:** regional policy, cluster approach, educational-and-industrial cluster, cluster development strategy

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TEACHER TRAINING AT STUDY PLACEMENT AS A NEW RESOURCE FOR TEACHER PROFESSIONAL GROWTH ..... 46

*The article discusses the positive potential of using teacher training practice at the study placement. The modern teacher profile, strategies of teacher personal growth and diagnostics components of teacher growth evaluation also come under review*

**Key words:** study placement, teacher personal growth, pro-active person, continuing teacher education, teacher professional development

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DEVELOPMENT OF BASIC STUDENTS' ABILITIES IN THE SYSTEM  
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*The article proposes structural-and-integrative approach to the development of monitoring. This approach allows to use tests as a means of basic students' abilities development in higher technical education*

**Key words:** test tasks, dual structure, study-and-learning field, intellectual skills, convergent abilities

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**Key words:** art psychology, art consciousness, synergetic model

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TEACHERS' PROFESSIONAL AND PERSONAL WELL-BEING OF IN THE CONDITIONS OF CURRENT  
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*The article deals with teachers' professional well-being in the context of current transformation processes in continuous pedagogical education in the Republic of Sakha (Yakutia). The results of sociological research in this area are provided*

**Key words:** additional professional education, educational space of additional professional education, global education trends, teachers' professional well-being

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TOP PRIORITIES FOR THE MODERNIZATION OF SPECIAL TEACHERS TRAINING  
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*The article examines the problem of special teacher professional training, the basic requirements for her/his personality, problems of teacher's training for implementation of inclusive education*

**Key words:** training of special teachers, inclusive education, correctional pedagogical process

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SCIENTIFIC GROUNDS FOR THE DEVELOPMENT OF PATRIOTIC EDUCATION OF STUDENTS  
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**Key words:** cadets' patriotic education, methodological approaches, strategy of moral education of the youth

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METHODS OF DEVELOPMENT OF VARIABLE THINKING OF HIGH SCHOOL STUDENTS ..... 77

*Questions concerning the role of variable thinking in teaching mathematics are discussed. Different factors that determine its level and methods of development of variable features of thinking are given*

**Key words:** variable thinking, divergent thinking, teaching mathematics

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EDUCATION OF THE YOUNGER GENERATION SPIRITUALITY AS PART OF PEDAGOGICAL PROCESS ..... 82

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**Key words:** spirituality, upbringing spirituality system of education, meaning of life, values of upbringing

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OPTIMIZATION OF EDUCATIONAL ACTIVITY OF STUDENTS STUDYING PROFESSIONAL DISCIPLINES  
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**Key words:** training optimization, contextual training, competence of the engineer bachelor, educational actions, logic-technological analysis of training material

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REALIZATION OF PROFESSIONAL ORIENTATION PRINCIPLE IN DISTANCE TEACHING  
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*A new approach to the implementation of the professional orientation principle in distance teaching of physics in technical universities is under review in this article. To this purpose we reveal the relating definitions and formulate the concept of 'a particular professional task'. The generalized method of solving one of these problems is demonstrated. In conclusion we formulate the professional orientation principle in distance teaching of Physics in technical universities*

**Key words:** distance teaching of Physics, principle of professional orientation, preparing future engineers for professional activities

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TRAINING OF TEACHERS FOR CHILDREN'S ADDITIONAL EDUCATION ..... 96

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**Key words:** additional education of children and adults, postgraduate teacher education, teacher's professional competences, educational environment, education and socialization, over-professional skills

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DEVELOPING DIAGNOSTIC COMPETENCE OF MEDICAL STUDENTS WHILE TEACHING THEM PHYSICS ..... 103

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**Key words:** teaching Physics to future doctors, future professional activity training, developing diagnostic competence

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INTERACTION OF PARTICIPANTS OF THE EDUCATIONAL PROCESS IN THE CONDITIONS OF INTERNSHIP SITE ..... 108

*The article examines the nature, levels and stages of interaction between the participants of the educational process in the conditions of internship site*

**Key words:** internship site, practice-directed principles of education, stages of internship

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THE PROBLEM OF STUDENTS' QUALITATIVE PREPARATION FOR FUTURE PROFESSIONAL ACTIVITIES ..... 115

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**Key words:** professional teacher standards, training of students, quality of education, modern textbook, professional activity, pedagogical practice, educational standard

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EDUCATIONAL TRENDS IN THE TRAINING OF ENGINEERS FOR BREST REGION IN THE SYSTEM OF FURTHER ADULT EDUCATION ..... 119

*The article deals with the educational opportunities of the Institute of Professional Development and Re-training (IPDR) of Brest State Technical University. The directions of the implementation of educational programs and prospects of further adult education development in Brest region are presented*

**Key words:** system of further adult education, re-training, in-service training, professionalization, practical orientation of training

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APPLICATION OF BLUFF TITLER COMPUTER SOFTWARE IN THE ORGANIZATION OF VIRTUAL MATHEMATICAL MUSEUM ..... 124

*The article deals with the prospect of the use Bluff Titler computer program in order to create virtual mathematical museum on the base of organizations providing educational activities*

**Key words:** Mathematics education, museum pedagogy, Bluff Titler

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SOCIO-PEDAGOGICAL SYSTEM OF ADDITIONAL EDUCATION OF PRE-RETIREMENT AND RETIREMENT AGE PEOPLE ..... 128

*The paper presents the design of organizational and pedagogical conditions of social-pedagogical system of additional education of senior age people, making them possible to realize rich inner experience, to overcome barriers of loneliness and lack of demand, to preserve the sense of psychological and social stability*

**Key words:** system of additional education, people of pre-retirement and retirement age, socio-cultural environment, andragogical interaction

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PROFESSIONAL TEACHER GROWTH DESIGN AT STUDY PLACEMENT IN SINGAPORE EDUCATION SYSTEM ..... 134

*The article discusses the models supporting teacher professional growth in foreign countries. The emphasis is placed on the problem of using the potential of study placement in teacher's professional development. The analysis of existing teacher support practices in Singapore system of education has allowed authors to reveal some effective mechanisms of such support*

**Key words:** teacher professional growth, study placement, Singapore system of education, teacher support, continuing teacher education

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INTERNSHIP SITE AS AN INTERACTIVE FORM OF TRANSMITTING TEACHING PRACTICES ..... 139

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**Key words:** professional pedagogical competence, in-service teachers training system, forms of in-service training, diversified education, innovative activities, internship site

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ENGAGEMENT OF STUDENTS IN THE EDUCATIONAL PROCESS: ESTIMATION OF POSITIVE EFFECTS ..... 143

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**Key words:** engagement, project activities, professional competence, universal competence, learning process, managerial culture

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STEPWISE ALGORITHM OF DEVELOPMENT OF TEACHER'S PROFESSIONAL-AND-ETHICAL QUALITIES  
IN THE PROCESS OF POSTGRADUATE CONTINUING EDUCATION ..... 148

*The paper presents the essential characteristics of teacher's professional-and-ethical qualities in the context of professional ethics ideas. Procedure algorithm and implementation levels of the development process of such qualities in the real practice of teacher's continuing education are disclosed*

**Key words:** pedagogical ethics, teacher's professional-and-ethical qualities, procedural algorithm, value-and-semantic aspect of teacher's work

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DESIGNING SECONDARY SCHOOL STUDENTS' INDIVIDUAL EDUCATIONAL ROUTES  
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**Key words:** individualization of education, individual approach, student's individual educational route, educational needs

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RETROSPECTIVE PEDAGOGICAL ANALYSIS OF DIFFERENT APPROACHES TO STUDY OF THE CONCEPT  
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**Key words:** cognitive independence, learning activity, independent work, developing the theory of personality's independence

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CONCEPTUAL BASIS OF PATRIOTIC EDUCATION OF MARINE CADETS IN THE CITY-HERO ..... 162

*The article justifies the foundations of patriotic education of cadets of the Maritime University. The bases for the research are the framework of patriotic activities in the Russian Federation and various approaches and views of Russian scholars concerning the problem of development of patriotism*

**Key words:** education, city-hero, defender of the Fatherland, concept, student, patriot, patriotism, patriotic education, tradition, purpose, formation

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THIRD AGE EDUCATION: SOCIO-CULTURAL ANALYSIS OF DEVELOPMENT TRENDS ..... 169

*The article reveals the main points of view regarding the importance of education for older people. The descriptions of thinkers of different epoches, opinions of scientists and the most important normative-legal acts are considered. The most famous concepts, which affect third age people education are given. The concept of 'third age' highlights acmeological potential, the opportunity to be active, have a lot of interests, and continue to learn in this period. The main idea of the article is that education today is an important part of the older adults lives. In addition it is the way providing a successful, independent, productive 'third age' stage*

**Key words:** geragogy, educational gerontology, third age, lifelong learning

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*In the article the theoretical analysis of development of such sphere of adult activity as parenthood and its relation to vitality is studied. Brief analysis of the notion of 'vitality', its structural components and areas of research of the concept of vitality are presented*

**Key words:** vitality, parenting, parent burnout phenomenon, parent-child relationships, family

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