

Pedagogical Sciences

O.V. Butina

Kurgan Municipal Center for Innovation and Methodology, Kurgan

A Model of Learners' Graphic Abilities Development through Collaboration of General and Additional Education Organizations

Keywords: additional education of children; graphic abilities; pupils; general education; continuing cooperation.

page 5-8

Abstract: Graphic arts classes are an effective tool for the development of creative abilities of an individual. The model of development of graphic abilities is developed using environmental, successive and activity-centered approaches, given the specifics of development of graphic abilities of pupils in general and additional education organizations.

N.Yu. Vlasenko, O.V. Andreeva, S.I. Filippchenkova, O.V. Milyukova, D.F. Bodurova

Tver State Technical University Ministry of Education and Science, Tver;

Chief Department of EMERCOM in the Tver region, Tver

Behavioral Studies of Conflict Situations and Mental State of Employees of Ministry for Emergency Situations (Case Study of the Tver Region)

Keywords: aggressiveness; Ministry for Emergency Situations; behavior strategy in a conflict situation.

page 9-11

Abstract: The study of the Tver Department of Ministry of Emergency Situations managers' behavior was conducted. The authors analyzed the behavior strategies in a conflict situation, the level of the forms of aggression, frustration, and social isolation.

N.A. Kuznetsova, Yu.P. Vetrov

Armavir State Pedagogical Academy, Armavir

Social-Pedagogical Aspects of Teachers' Training in Interaction with Schoolchildren's Parents

Keywords: interaction with pupils' parents; partnership teacher interaction; pedagogical practices; teacher training; factors.

page 12-15

Abstract: The necessity of training teachers for the organization of partnership pedagogical interaction with parents of schoolchildren is clarified. The factors impeding future teachers from building effective relationships with schoolchildren's parents are identified. The role of pedagogical practices in training students for building partnership relationships and pedagogical interaction with parents of pupils is explored.

N.S. Lobatsevich, N.A. Gunina

Moscow Cadet Corps Boarding School of the Defense Ministry of the Russian Federation, Moscow,

Tambov State Technical University, Tambov

Speaking Exercises to Develop Communicative Skills in a Foreign Language (Pragmatic Texts in Italian)

Keywords: speaking exercises; pragmatic texts; communication skills.

page 16-21

Abstract: We analyzed different types of speaking exercises for the development of prepared and spontaneous speech. The system of exercises based on authentic pragmatic texts has been developed and described.

A.K. Mazina

Taganrog Polytechnic Institute – Branch of Don State Technical University, Taganrog

Compensatory Education Program for Preschool Children with Attention Deficit Hyperactivity Disorder

Keywords: attention deficit; hyperactivity; impulsiveness; behavioral sphere; emotional sphere; psychological processes; treatment; development; preschool age.

page 22-25

Abstract: This article examines the possibilities of the compensatory education program for preschool children with attention deficit hyperactivity disorder to treat emotional disorders. The author explores the content of the compensatory education program for preschool

children, offers original research methodology of behavioral and personal conditions of children, their relationships with peers, parents and teachers.

I.E. Plotnikova

Burdenko Voronezh State Medical University, Voronezh

Organization of Professional Development and Professional Retraining of Research and Academic Staff of Medical and Pharmaceutical Institutions

Keywords: advanced training; professional retraining; research and academic staff of medical and pharmaceutical institutions; department of pedagogy and psychology.

page 26-31

Abstract: The paper describes the structure of the system of advanced training and professional retraining of medical and pharmaceutical workers at the Department of pedagogy and psychology of the Institute of additional professional education at the Burdenko Voronezh State Medical University.

Culturology

A.V. Rocheva

Ukhta State Technical University, Ukhta

The Process of Personnel Training for Oil and Gas Industry to Enhance Industrial Development of the Komi ASSR in the 1930–1950s

Keywords: Komi autonomous territory; the Pechora region; penitentiaries; industrialization; fuel and energy base; industrial development; specialists.

page 32-36

Abstract: The author considers the question of the necessity of personnel training for the oil and gas industry in the Komi Republic in 1930–1950s, covering the main directions of state policy in the comprehensive study of the Pechora area and transforming it into fuel and energy base of the European North.

Information Science, Computer Engineering and Management

A.B. Bukach

Sevastopol State University, Sevastopol

The Analysis of Information Characteristics of the Equipment Registering Light Emission

Keywords: information characteristic; number of gradations; resolution; dynamic range; accuracy

page 37-40

Abstract: We present a new approach to the calculation of the number of gradations of measuring instruments, recording weak light emission, determining error resolution capabilities and dynamic range.

V.A. Latypova

Ufa State Aviation Technical University, Ufa

A Technique and Tool for Automated Complex Result Assignment Scoring Using an Error Bank

Keywords: automated scoring; online learning; term paper.

Abstract: The appearance of massive open online courses has led, on the one hand, to the development of online learning and, on the other hand, it has brought a number of challenges. One of these challenges is the existence of manual assessment assignments. A large part of online learning research has been focused on finding a solution. But a general-purpose technique and a tool for assignment scoring with due quality in different domains haven't been developed yet. A solution of the problem is offered in the paper. A technique and a tool for automated assignment scoring using an error bank have been developed. The efficiency of the technique and the tool were confirmed during the performance of term papers on the subject "High-level programming" of second-year students majoring in Applied informatics in Ufa state aviation technical university in 2013.

page 41-47

A.E. Yablokov, A.A. Aleksandrov

Moscow State University of Food Production, Moscow

page 48-51

Automation of Quality and Grading Control of Milling Products

Keywords: automation of images processing; quality of milling products.

Abstract: The article discusses the construction of algorithms for automated processing of micro photos of milling products. Automated processing of micro photos of milling products is relevant in the study of the degree of its size and color. Micro photos of milling products contain information about the distribution of particles in size and color. Today, there are software products, offering image processing and relieving researchers from routine operations of manual data processing. But they have to be adapted for performing the processing of micro photos of milling products. In this paper, we propose to use Image Processing Toolbox MATLAB software package for processing image files taken with digital camera attached to microscope, and an RGB-diode lightening system allowing for different colors of light to set the optimal filming parameters. Processing algorithm consists of successive stages of conversion to gray scale, scaling, filtering, binarization, object recognition and statistical processing of the results of recognition. The result of the implemented data processing algorithms is the distribution function of the product particles in terms of size and color. For the inspection of the algorithm and its debugging experimental studies were carried out. Samples of semolina and bran were studied. For each sample micro photos were taken and image processing was carried out in accordance with the proposed algorithm. The studies have shown the effectiveness and feasibility of the proposed algorithm in the form of script for Image Processing Toolbox MATLAB software package.

Economic Sciences

S.G. Ambartsumyan, V.M. Baginova

East Siberian State University of Technology and Management, Ulan-Ude

Anti-Crisis Measures to Stabilize the Situation in the Housing Market

Keywords: residential real estate market; building; mortgage debt; credits; stabilization; anti-crisis measures; subsidization.

Abstract: Today, the economic situation in Russia and in the world as a whole is very ambiguous. Almost all areas of business activities have been hit by the effects of the crisis. In recent years, the housing market situation has been consistent with the general economic situation in the country caused by the financial crisis which resulted in worsening of the economic situation in Russia, caused by a sharp decline in the world energy prices, the sale of which is a significant part of budget revenues in Russia, as well as the imposition of economic sanctions against Russia. These factors have caused a significant decline in the ruble exchange rate against foreign currencies, increased inflation, reduction in real incomes and a significant deterioration of the situation in a number of sectors of the Russian economy. Due to the sharp depreciation of the ruble and the unfavorable and unstable economic situation in the country all spheres of life in Russian have become unstable. Residential real estate market, of course, is no exception. Moreover, it has been affected by currency fluctuations. In view of these circumstances the issue of the real estate market is becoming increasingly important both for citizens and for the public authorities with the elaboration of anti-crisis measures in the housing market.

page 52-56

R.F. Ildarkhanov, A.A. Buguev, A.S. Zakharov, E.S. Popov

Naberezhnye Chelny Institute – Branch of Kazan (Volga) Federal University, Naberezhnye Chelny

Rationale for Establishing Car Dealer Center

Keywords: car market; car dealer center; dealer; competitive advantage.

Abstract: The authors made a comparative analysis of the performance indicators of the largest car dealers' of the Republic of Tatarstan. The competitive advantages of the companies have been identified. The rationale for building of new car dealers' has been offered.

page 57-60

N.P. Konovalenko

Saratov Social and Economic Institute – Branch of the Plekhanov Russian University of Economics, Saratov

The Role of the Government and Features of Strategic Management of Oil and Gas Industry in Russia

Keywords: oil and gas companies; strategic management.

page 61-67

Abstract: This paper presents the study of the problem of strategic management of oil and gas industry of Russia. The author identified the interests of the government and those of oil and gas companies in the strategic management, and systematized the factors of internal and external environment in their strategic development. The strategic analysis resulted into a developed system of measures to ensure the sustainable development of oil and gas companies.

A.O. Ryzhkov, T.L. Bezrukova

Morozov Voronezh State Forestry University, Voronezh

Tax Incentive Mechanisms of Innovative Activity in the Russian Federation compared with other Countries

page 68-70

Keywords: income taxes; depreciation; tax breaks; preferential rate deduction.

Abstract: The features of the tax mechanisms to stimulate innovation in Russia compared with other countries are considered.

L.A. Sidorova

Siberian State University of Geosystems and Technology, Novosibirsk

Fiscal Incentives in the Mining Sector of Foreign Countries

Keywords: world experience; tax stimulation; tax incentives; severance tax; use of mineral resources.

page 71-73

Abstract: The article reveals fiscal incentives on mining companies in various countries carrying out mining operations. The paper presents the summarized analysis of tax incentives and economic mechanisms to regulate the level of financial and investment activities of mining companies.

O.S. Toropchenko (Batrakova), I.V. Toropchenko

Omsk State Transport University, Omsk

Improvement of Budget Planning Procedures

Keywords: budget planning; target program; social effect.

Abstract: The paper considers methods of budget planning. The authors offer an approach to budget calculation using social effect function optimization exemplified by the Omsk region target programs such as "Prevention of crime and drug abuse, prevention of extremism and terrorism", "Making Roads Safe", "Oncology in the regional aspect", "New generation".

page 74-81

Ecology and Nature Management

R.R. Absatarov

Osh Humanitarian Pedagogical Institute, Osh (Kyrgyz Republic)

The Importance of Urban Environment Landscaping With Red Cedar (*Juniperus virginiana* L) and its Benefits (Case Study of Osh)

Keywords: Juniperus virginiana L; urban environment; city of Osh.

Abstract: This paper describes the study of adaptation mechanisms of Juniperus virginiana L to the conditions of the urban environment of the city of Osh. It is shown that Juniperus virginiana L in conditions of Osh undergoes a complete cycle of development during the growing season, which demonstrates the success of its introduction and a better quality of sanitary and decorative condition.

page 82-84

R.F. Ildarkhanov, A.A. Buguev, A.N. Gimazetdinov, E.S. Popov

Naberezhnye Chelny Institute – Branch of Kazan (Volga Region) Federal University,

Naberezhnye Chelny

Evaluation of the Car Dealers' Impact on the Environment

Keywords: car dealers; air basin; pollution; activities; safety; underground water; characteristic; noise.

page 85-87

Abstract: The authors evaluated the impact of car dealers' on the environment, identified the sources of pollutants. The activities to safeguard the air, superficial and underground waters from exhaustion and contamination, and prevent noise pollution have been proposed.

Linguistics

A.N. Lavrova

Alekseev Nizhny Novgorod State Technical University, Nizhny Novgorod

Engineering Language of Computer Technology

Keywords: American; attributes; computer technologies; parts; engineering languages; infinitive groups; multi-part substantives; specialized languages.

Abstract: The paper discussed the American engineering language of computer technologies; the attributive and infinitive groups as the basic recognizable characteristics of the engineering language are analyzed.

page 88-90