



ТУ-СОФИЯ

ФАКУЛТЕТ И КОЛЕЖ – СЛИВЕН

НАУЧНА КОНФЕРЕНЦИЯ С МЕЖДУНАРОДНО УЧАСТИЕ ОБРАЗОВАТЕЛНИ ТЕХНОЛОГИИ‘ 2023

23 юни - 24 юни 2023, УСОБ „ЛАЗУР“ гр. Созопол

[НКМУ „Образователни технологии 2023“](#)

ABSTRACT BOOK 19th Educational Technologies 2023 Conference that is going to take place from 23 to 24 June 2023 in Sozopol at Lazur

THE IMPACT OF FACE-TO-FACE AND DISTANCE LEARNING ON THE PHYSICAL ABILITY OF PRESCHOOL CHILDREN

Victoria Kovchazova, Teodora Simeonova

Abstract: Dynamic development of children's organism during preschool age is the result of active motor activity, interaction with the environment, psychophysical growth. Physical activity and physical health are interrelated and are aimed at developing physical fitness, strengthening musculature, stimulating children's interest in sports exercises and games. Systematic physical exercise and sport activities during the children's stay in kindergarten ensure that the above is achieved. The Caucasian pandemic of a few years ago and the subsequent distance learning in pre-school age necessitated a restriction of children's physical activity. During this period, organised physical activities and sport in the kindergarten setting did not take place. Distance learning, in a family environment, succeeds to some extent in maintaining satisfactory physical fitness. The aim of this paper is to observe and establish what influence attendance training has on the motor qualities of children of the 3rd age group in kindergarten. Whether there are changes in children's mean achievement scores, using a validated uniform test battery, during distance and attendance learning.

THE TECHNOLOGICAL CHALLENGES OF THE NEW MILLENNIUM AND CHILDREN AT RISK

Rosalia Kuzmanova - Kartalova

Abstract: The paper presents an analysis of the impact of modern electronic technologies on the personal, cognitive, behavioral development of children. On the basis of the study of the advantages of using electronic means of work and communication, deficits that are formed and children at risk are introduced are also highlighted. Socio-pedagogical approaches are commented on to combine technology favourably with the human factor - parents, friends, teachers, to prevent the risk of addictions, health and behavioural problems, for the best future of children.





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TEACHERS - PROVOCATEURS OF THE PROCESS OF TRANSFORMATION OF THE EDUCATIONAL ENVIRONMENT INTO A MULTICULTURAL ONE

Marlena Yordanova Daneva, Marina Koleva Nikolova

Abstract: Many schools in Bulgaria today teach children with a mother tongue other than the official language. Working in an intercultural educational process and in a multicultural environment is not an educational process in an environment with more than one ethnicity. Teachers' skills and professionalism to educate ethnic minority children and to work with the community are not realized as a synergistic process that is a precursor to transforming the educational environment into a multicultural one. This article examines the issue of differences and similarities in intercultural and multicultural education in our country and provides recommendations for educational approaches in kindergarten and elementary school in a multicultural environment.

APPLICATION OF NEUROSCIENCE AND NEUROTECHNOLOGY IN SPECIAL EDUCATION

Mitko Shoshev

Abstract: In the last two or three decades, knowledge gained from neuroscience has entered many other scientific fields. Special pedagogy as a specific part of pedagogical science occupies a special place among them. Its specificity as a medical-pedagogical science, brings out the necessity of the obligatory knowledge of educators and psychologists about data obtained from neurosciences about the work of the brain of the child with mental dysgenesis. Modern applied neurotechnologies are also making inroads into the psychologist's practice. They have a particularly beneficial impact in the process of training children with SEN by significantly improving their general psycho-physical and psycho-emotional state.

NON-TRADITIONAL MATERIALS AND TECHNIQUES IN ART EDUCATION

Marieta Savcheva, Diana Bankova

Abstract: This paper addresses an interesting and topical problem in art theory and practice - drawing, designing and constructing objects with non-traditional materials and techniques and turning them into original works of art. For this purpose, innovative approaches, methods and forms of work are applied, which increase the interest of pupils and students in art and creative activity, stimulate their fantasy-like thinking and encourage belief in their own strengths and talent. Particular attention is paid to the unique creative achievements of the students, creating a lot of mood and beauty with the richness of colors and forms.





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REFLECTION PRACTICE AS A MEANS OF INCREASING STUDENT ACTIVITY DURING THEIR LEARNING

Marina I. Dimitrova, Silviya D. Bobeva, Romyana Ilieva

Abstract: Dynamic change in many aspects of life worldwide requires suitable tools and practices to answer the needs of nowadays' student's learning reality. Reflection seems to be a key to provide the necessary immediate action on the topic. Despite the acceptance the concept of reflective practice in education, it is the notion of "reflection" in itself is still broad. This article attempts to investigate students' awareness of reflective practice in an educational context. Study includes exploring different tools in reflective learning.

EXPLORING VALUES, ATTITUDES AND SKILLS THROUGH AN ENVIRONMENTALLY FOCUSED EXTRA-CURRICULAR ACTIVITY

Lubka Atanasova

Abstract: The present report is a comparative analysis of the results of the ascertaining and post-formative stage in the Experimental and Control group. The object of the study is the extracurricular activity in the Bulgarian school. The subject of the study is the educational opportunities of extracurricular activities in the field of natural sciences in junior high school. The purpose of the study is the possibilities of extracurricular activities with an ecological orientation for the formation of values, attitudes and skills in students from the junior high school stage of education. After an in-depth analysis of the results, the connection between targeted environmental education and the formation of values, attitudes and social skills is proven.

STRESS MANAGEMENT AMONG PEDAGOGICAL SPECIALISTS, AS PART OF THE MANAGEMENT OF EDUCATIONAL INSTITUTIONS

Margarita Teneva, Ivanna Hristova, Ivan Petrov

Abstract: In the last decades a steady trend towards an increase in the level of stress in the socionomic professions, including the teaching profession, has been observed. There is also an increase in its most severe form – burnout syndrome. Effective strategies are being actively sought on a global scale and a number of good practices are already in place. The article presents results of research on stress levels and risk of professional burnout, conducted in 2023 amongst 91 teachers from the town of Sliven. Based on the obtained results and conclusions, specific measures and mechanisms for managing stress in educational institutions are proposed.





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CHALLENGES FOR EDUCATION IN A CHANGING DIGITAL SOCIETY

Krasimir Kostov

Abstract: This paper presents the current environment in which various digital technologies are increasingly being used in both public life and education. Digitalization leads to the need for educational institutions to adapt to new changes by using modern methods and technologies, thanks to which young people can achieve the necessary educational level for life in a digital environment. In such a virtual space, society is increasingly asking questions related to the cause-effect relationships between familiar existence and the challenges resulting from the new digital use of various digital technologies.

ROBO STEAM - INCLUSIVE TECHNOLOGIES

Nayden Chivarov, Stefan Chivarov, Valentina Ivanova, Maya Staikova

Abstract: This article presents developmental a cost-effective robot - TELE-ROBKO and robot-based platform for education - ST(R)EAM IT.

An autonomous mobile robot (and the required software) will to provide virtual presence visits of museums, as a part of the teaching curriculum or as an extracurricular activity for classes of students (pupils) and their teacher. This is a high-tech solution, which will allow the visiting class to easily remote visit ("tele - visit") the museum exhibitions regardless of the distance separating them from the location of the museum (for example – in another city or even in other county).

Students will be able to view in real time the exposed national treasures, cultural values, historical artifacts, art and so on exhibits and participate interactively in the exhibition tour, conducted by the museum expert-guide (including asking questions and receiving answers through the robot's audio system).

ST(R)EAM IT platform will be training 64 teachers and trainers how to use it. They will be the backbone of a teacher-trainer community of practice which will operate as informal group and provide sustainably of the project results in the future.





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BUILDING PROFESSIONAL SKILLS WITH AUTOCAD IN ENGINEERING EDUCATION

Yordanka Slavcheva, Monika Ingilizova

Abstract: This paper explores the importance of AutoCAD in building professional skills in future engineering students. It discusses the various aspects of AutoCAD that help learners develop their competencies in CAD design as well as their application in a real-world environment.

The study was conducted with engineering students and the paper presents the results of their examination assignments and comments on the challenges faced by the students while using AutoCAD.

In conclusion, the paper highlights the importance of building professional skills with AutoCAD in engineers. The examples and methods presented demonstrate that AutoCAD not only provides tool capabilities for design and modeling, but also supports the development of critical thinking, problem solving, and communication skills. Future perspectives and development of AutoCAD in the context of engineering education are presented in the paper. Thus, the use of AutoCAD in engineering education appears to be an effective approach for building professional skills and preparing future engineers.

STRESS IN NOVICE TEACHERS - CAUSES, CONSEQUENCES AND COPING STRATEGIES

Monika Ingilizova

Abstract: This article addresses the problem of stress in beginning teachers by discussing the causes, consequences, and suggesting strategies for coping with this stress. Through an analysis of scholarly theories, empirical research, best practices, and a survey of the opinions of novice teachers in educational settings with 1 to 5 years of experience, it highlights factors that contribute to novice teacher stress, including lack of preparation, adverse working conditions, and interpersonal challenges. The implications of stress for teachers' physical and mental well-being, productivity, and the threat of leaving the profession are highlighted. The article presents specific strategies and solutions for coping with stress, including creating a supportive environment, developing stress resilience and self-management, professional learning, and improving communication skills. The conclusion highlights the importance of ongoing support for beginning teachers and offers key implications and recommendations for future research and policy. The article provides an academically grounded and informative exploration of stress in beginning teachers, providing valuable guidance for addressing this challenging aspect of the teaching profession.





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MODERN APPROACHES IN WORKING WITH CHILDREN WITH MENTAL RETARDATION FROM 1ST-4TH CLASS IN CENTERS FOR SPECIAL EDUCATIONAL SUPPORT

Veselina Dobрева Ivanova

Abstract: The education and upbringing of students in Centers for special educational support is an actual problem for society. The students with special educational needs who are taught in them need different approaches and strategies at work to develop their potential. Thanks to the specially equipped offices and well-prepared specialists working there, students have the opportunity to fully participate in the learning process, rehabilitation, family psychological counseling, etc. Depending on their individual and developmental characteristics, approaches can be adapted to meet the different needs of students. The use of modern technology, for example the interactive whiteboard, is increasingly desired by both teachers and students. By using it, students' natural curiosity is stimulated, more sensory channels are simultaneously stimulated, the development of fine motor skills and the improvement of cognitive processes are supported. This enables active participation in activities in which everyone can express themselves in an interesting way and with accessible means, regardless of the type of their violation.

THE ROLE OF DIDACTIC GAMES IN TEACHING MATHEMATICS IN THE PRIMARY STAGE OF EDUCATION

Andon Atanasov

Abstract: The article discusses the importance and role of didactic games in mathematics education at the primary stage of education. Educational play is an activity where, by playing, children learn. It is an established tool in pedagogical theory and practice for clarifying, extending and consolidating knowledge.

The didactic game in mathematics education is considered as a powerful tool to stimulate students to active cognitive activity, to increase their interest in mathematics and, as a result, to make the learning content easier to master.

The article presents some examples of didactic games in mathematics in primary school. The resources presented here have been created as a project work of the author of the article, a student, specialty „Pedagogy“ at the Faculty of Engineering and Pedagogy - Sliven at the Technical University - Sofia in the classes on Methods of teaching mathematics in the primary stage of education and Games and game technologies in education.

ИНФОРМАЦИЯ

Работните езици на конференцията са български, английски, руски.

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