

ABSTRACT&REFERENCES

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**SOCIAL-PEDAGOGICAL ASPECTS
RESOCIALIZATION OF PUPILS OF THE CENTERS
SOCIAL-PSYCHOLOGICAL REHABILITATION OF
CHILDREN**

p. 4–8

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The article substantiates the notion of pedagogical support of resocialization of pupils of centers of social-psychological rehabilitation of children as a complex of pedagogical means, mechanisms and forms of their realization. This support favors the activation of own experience and potential of pupils. It also widens possibilities of the learning-upbringing system of centers of social-psychological rehabilitation of children for increasing the effectiveness of the process of pupils' resocialization. There were characterized the components of the pedagogical support of the process of resocialization of pupils of centers (aim, principles, content, directions, mechanisms and forms of their realization). The aim of the pedagogical support of the process of resocialization of pupils of centers is to favor the overcoming of obstacles or lag in the process of children's socialization using the complex of correcting-rehabilitating forms of the social-pedagogical work. There were determined the principles of the pedagogical support of resocialization of pupils of centers: the principle of purposefulness, reflexivity, partnership, subjectivity, synergy, unity of the learning, upbringing and correcting work at realizing resocialization tasks. There were separated the content directions of the pedagogical support:

- formation and assimilation of democratic culture skills;
- realization of civic duties;
- taking of responsibility (for oneself, family, society);
- formation of integral worldview;
- mastering of social skills;
- conscious choice of life strategies;
- realization of rights, possibilities and motivation of the future social and professional development;
- development of communication skills, communication culture;
- development of self-cognition, self-appraisal, self-determination.

There were determined the mechanisms of introduction of the pedagogical support of the process of resocialization of pupils of centers of social-psychological rehabilitation of children:

- mechanism of favoring pupils' participation in the process of resocialization;
- mechanism of activation of the work of social teachers and psychologists of centers;

– mechanism of involving, parents, persons, who replace them and tutors of pupils of centers to the cooperation in the direction of resocialization.

The effectiveness of the elaborated pedagogical support of the process of resocialization of pupils of centers and forms of the social-pedagogical work with them was proved. There were presented the complex program of resocialization of pupils of centers "You are able to more!", forms of the social-pedagogical work with parents (persons, who replace them) of pupils and specialists of centers of social-psychological rehabilitation of children (lecture, pedagogical seminar)

Keywords: pedagogical support, components, aim, principles, directions, content, mechanisms, forms of realization

References

1. Bezpalko, O. V. (2013). Social pedagogy: schemes, tables, comments. Kyiv: Tsentr uchbovoi literatury, 208.
2. Vainola, R. H. (2014). Technolization of socio-pedagogical work: theory and practice. Kyiv: NPU M. P. Dragomanov, 134.
3. Verbets, V. V. (2012). Methodology of organization and conduct of sociological research. Berezno, 231.
4. Zymivets, N. V. (2014). Sotsialno-pedahohichni umovy formuvannya zdorovoho sposobu zhyttia uchnivskoi molodi. Hirska shkola Ukrainskykh Karpat, 11, 27–29.
5. Kalchenko, L. V. (2009). Pedagogicni umovu socialnogo zahusty ditei y prutykakh dlia nepovnlitnih [Pedagogical conditions of social protection of children in shelters for minors]. Lugansk, 216.
6. Kapska, A. Y. (Ed.) (2012). Social pedagogy. Kyiv: NPU M. P. Dragomanov, 346.
7. Bezpalko, O. V., Burkovska, L. P., Zhuravel, T. V. et al.; Zvierieva, I. D., Petrochko, Zh. V. (Eds.) (2014). Comprehensive care for neglected and homeless children. Kyiv: Publishing House «Kalita», 376.
8. Tolstoukhova, S. V. (Ed.) (2001). Integrated programs of centers for social services for youth. Kyiv: UDTsSSM, 204.
9. Liutyi, V. P. (2010). Sotsialno-pedahohichne zabezpechennia diialnosti kryminalno-vykonavchoi inspektsii z resotsializatsii nepovnlitnikh, zvilnenykh vid vidbuvannya pokarannia z vyprobuvanniam [Socio-pedagogical support for the activity of the criminal-executive inspection on the resocialization of minors exempted from serving a sentence with a trial]. Lugansk, 296.
10. Sydoruk, M. S. (2016). Sotsialno-pedahohichni umovy samo aktualizatsii starshykh pidlitkiv u tsentrakh sotsialno-psykholohichnoi reabilitatsii. Kyiv, 258.

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**RETROSPECTIVE ANALYSIS OF THE CONTENT
OF TEACHING METHODS OF NATURAL SCIENCE
TEXTBOOKS OF THE BEGINNING OF XX CENTURY**

p. 8–13

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Today it is told that future teachers of biology must be oriented on forming pupils' social activity, responsibility and ecological consciousness, readiness to take part in solving problems of environment protection and society development, recognition of the importance of the stable development for future generations.

The special place in the process of professional training of future teachers is occupied by the methodical competence, so the quality of learning-methodological textbooks. The problem of the educational process optimization remains in the center of modern teachers' attention. Taking into account this fact, there were analyzed textbooks on the method of teaching natural science of the beginning of XX century (1902–1914). Let's note that they contain texts and extra-texts components, blocks of questions, differentiated tasks for the individual and group work, complex of stimulating steps for the self-development of professional skills, formation of practical abilities and so on, topical also for today.

We determined certain peculiarities as a result of the analysis. The content of the textbook, edited in 1902, was structured according to seasons and natural phenomena. For example, the topic of components of inanimate nature (soil, loam, sand, stones, gravel, gneiss) was studied in the section "Autumn". This topic was considered in the separated section, named "Mineralogy" in the methodical textbook of 1907 year.

The edition of 1914 contains the separate section that deals with the laboratory method, the content of practical activities and lessons that provide laboratory works was elucidated.

Let's note that the special attention was paid to the role of nature in the human life by all three authors.

We consider the analyzed textbooks as a valuable contribution to the educational sphere and important element in the process of professional training of future teachers of biology

Keywords: *methodical textbook of natural science, professional training of teachers, readiness to the nature protecting activity*

References

1. Educational program for general educational. «Biology. 6-9 classes». Available at: <http://mon.gov.ua/activity/education/zagalna-serednya/navchalni-programi-5-9-klas-2017.html>
2. Zahal'ni vymohy do zmistu ta oformlennya navchal'nykh posibnykiv ta navchal'no-metodychnoi literatury [General requirements for the content and design of teaching aids and educational-methodical literature] (2014). Zhytomyr, 56.
3. Rudyshyn, S. D. (2015). Osoblyvosti formuvannya v uchniv pochatkovoyi shkoly pryrodnycho-naukovoï kartyny svitu [Specific Features of Forming natural sciences picture of the world of pupils of elementary school]. Pedagogy and psychology, 1, 45–49.
4. Baybara, T. M. (2008). Metodyka vyvchennya pryrodnavstva v pochatkovykh klasakh [Methodology of teaching natural science in elementary school]. Kyiv: Veselka, 334.
5. Bida, O. A. (2000). Metodyka vykladannya [Teaching method]. Kyiv: Perun, 400.

6. Bobyl'ov, Yu. P. (2003). Kontseptsiiy suchasnoho pryrodnavstva [Concepts of Modern Natural Science]. Kyiv: Tsentr navchalnoi literatury, 244.

7. Verzylin, M. M., Korsun'ska, V. M. (1980). Zahal'na metodyka vykladannya biolohii [General Methodology of Teaching Biology]. Kyiv: Radianska shkola, 352.

8. Holikov, V. I. (1902). Uroky i besedy po estestvovedeniyu [Lessons and conversations of natural sciences]. Moscow, 195.

9. Krasnov, M. M. (1907). Metodyka estestvoznnavstva [Methodology of natural sciences]. Moscow: Izdanie A. V. Pavlova, 180.

10. Pinkevych, A. (1914). Metodyka nachalnoho kursu estestvovedenia (pryrodnavstvo) [Methodology of the initial course of natural science]. Saint Petersburg, 190.

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ANALYSIS OF THE RESULTS OF THE PEDAGOGICAL EXPERIMENT ON IMPLEMENTING THE PEDAGOGICAL TECHNOLOGY OF FORMING FUTURE AGRARIANS' MULTICULTURAL COMPETENCE

p. 14–21

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The authorial pedagogical technology of forming the multicultural competence of future agrarians has been checked. The modified conditions of the research work include the methodology of inter-related teaching a foreign language and a culture. The English language played the role of the means of multicultural interaction among the representatives of different countries and the tool of effective professionally development. The pedagogical process has been organized on the basis of the personality orientated, communicative, axiology and linguistic regional geography approaches. Professionally-oriented foreign and multicultural materials have been used. In choosing the teaching methods we have considered the academic peculiarities of students-agrarians, based on the specific principles of future agrarians' multicultural education at foreign language classes: the principle of the dialogue of cultures, the principle of cultural suitability, the principle of national and common humanity unity, the principle of multiculturalism and multicultural tolerance, the principle of problem culture-regional tasks prevailing, the principle of authenticity, the principle of novelty, the principle of professional orientation. It has been proved experimentally, that forming of the multicultural competence will be successful in case of observing the following pedagogical conditions: implementing the interactive teaching methods for increasing the internal motivation of educational activity; the organization of the educational multicultural environment as the social system of a multi-subject type at the agrarian higher educational institution; rational combining classroom and independent work; application of electronic educationally-methodological complex of forming future agrarians' multicultural competence

Keywords: *pedagogical technology, experimental work, pedagogical conditions, multicultural competence, future agrarians*

References

1. Bordovskaya, N. V. (2016). *Sovremennyye obrazovatelnyye tehnologii* [Modern educational technologies]. Moscow: KNORUS, 432.
2. Nguyen, M. H. (2013). The Curriculum for English Language Teacher Education in Australian and Vietnamese Universities. *Australian Journal of Teacher Education*, 38 (11), 33–53. doi: 10.14221/ajte.2013v38n11.6
3. Demchuk, O. (2015). *Upravlinnya procesom formuvannya polikulturnoi kompetentnosti vchyteliv v umovah osvितного prostoru* [Managing the process of forming teachers' multicultural competence in the conditions of the educational space]. *Pedagogical innovations: ideas, realities, perspectives*, 1, 36–41.
4. Koriakina, A. (2015). *Multicultural Approach to Education*. Society, Integration, Education. *Rezekne: Rezekne Academy of Technologies*, 215–221. doi: 10.17770/sie2015vol1.326
5. Melnyk, V. V. (2013). *Stanovlennya i rozvytok polikulturnogo suspilstva v umovah evrointegracii* [The society's establishment and development in the conditions of European integration]. *Humanitarian Journal of ZSIA*, 54, 69–81.
6. Zaskaleta, S. G.; Sysoieva, S. O. (Ed.) (2013). *Tendencii profesiinnoi pidgotovky fahivciv agrarnoi galuzi v krajinah Evropejskogo Soyuzu* [Tendencies of agrarians' professional training in the European Union's countries]. Mykolaiv: Ilion, 500.
7. Gladush, V. A., Lisenko, G. I. (2014). *Pedagogika vishchoi shkoly: teoriya, praktyka, istoriia* [High school pedagogy: theory, practice, history]. Dnipropetrovsk: Royal Print, 416.
8. Ivanova, S. V., Rodionova, S. E. (2013). *Primenenie innovacionnyh obrazovatelnyh tehnologii v auditornoi i samostoyatelnoi rabote studentov-gumanitariiev* [Use of innovative educational technologies in class and independent works by students-humanitarians]. *The Journal of Bashkir University*, 18 (4), 1296–1304.
9. Aytug, Z. (2013). *Multicultural experience: A multidimensional perspective, scale development, and validation*. New York: ProQuest, 230.
10. Kolosova, S. (2017). *Populyarnyye psichologicheskie testy* [Popular psychological tests]. Moscow: Scientific Book, 307.
11. Ignatovich, O. M. (2014). *Psikhodiagnostychnye zabezpechennya proforientacii v systemi pedagogichnoi osvity* [Psycho-diagnostic maintaining of the professional orientation in the system of pedagogic education]. Kirovograd: Imeks-LTD, 228.
12. Gretsov, A., Azbel, A. (2012). *Psichologicheskie testy dlya starsheklassnikov i studentov* [Psychological tests for senior pupils and students]. Saint Petersburg: Piter, 208.
13. Pochebut, L. G. (2012). *Kross-kulturnaya i etnicheskaya psichologiya* [Cross-cultural and ethnic psychology]. Saint Petersburg: Piter, 236.
14. Kravets, R. A. (2015). *English in the context of multicultural education*. Vinnytsia: Planer, 206.
15. Nieto, S. (2017). *Language, culture, and teaching*. New York: Routledge, 228.

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DIAGNOSTICS OF READINESS OF FUTURE JUNIOR SPECIALISTS WITH MEDICAL EDUCATION TO PROFESSIONAL SELF-DEVELOPMENT: ASCERTAINING STAGE OF PEDAGOGICAL EXPERIMENT

p. 22–28

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The article elucidates the aspects of diagnostics of the output states of the formation of readiness of future junior specialists with medical education to the professional self-development; the analysis of the obtained results was carried out.

There was substantiated the topicality of the formation of readiness of future junior specialists with medical education to the professional self-development in the process of professional training.

The aim of the ascertaining stage of the pedagogical experiment of the formation of readiness of future junior specialists with medical education to the professional self-development in the process of professional training was elucidated, main principles and methods were established, general logic was determined.

The ascertaining stage of the pedagogical experiment determined: the level of readiness to the professional self-development in practicing junior specialists with medical education; the level of erudition of graduates of medical colleges in the problem of professional self-development; the level of topicality and importance of the problem of professional self-development of junior specialists with medical education; the level of readiness of teachers of clinical disciplines in medical colleges to the formation of readiness of future junior specialists to the professional self-development in the process of professional training. There were studied the possibilities and methods of the formation of readiness of future junior specialists with medical education to the professional self-development

Keywords: *pedagogical experiment, ascertaining stage, junior specialist, professional self-development, professional training*

References

1. Vaynilenko, T. V. (2005). The essence and content of vocational and pedagogical self-improvement. *Scientific Herald of the Chernivtsi University. Series: Pedagogy and Psychology*, 278, 13–20.
2. Shestakova, T. V. (2006). Formation of preparedness of future teachers for professional self-improvement. *Kyiv*, 22.
3. Kvas, V. M. (2015). The problem of forming the readiness of future teachers for professional self-improvement. *Scientific Papers of the KPUU. Series: Pedagogical Sciences*, 141 (2), 120–123.
4. Dudikova, L. V. (2011). Formation of readiness for professional self-improvement of future doctors. *Vinnytsia*, 23.
5. Sotskyi, K. O. (2016). Formation of readiness of future junior medical specialists for professional self-improvement. *Khmelnysky*, 314.

6. Granychyna, O. A. (2012). Mathematical and statistical methods of psychological and pedagogical research. Saint Petersburg: BBM, 115.

7. Zagviiazinsky, V. I., Atahanov, R. (2006). Methodology and methods of psycho-pedagogical research. Moscow: Publishing Center «Academy», 208.

8. Dolgopolova, A. F., Gulai, T. A., Lytvyn, D. B., Meleshko, S. V. (2012). Theory of Probability and Mathematical Statistics. International Journal of Experimental Education, 11, 51–52.

9. Sysoeva, S. O., Kristopchuk, T. Ye. (2013). Methodology of scientific and pedagogical research. Rivne: Volyn's amulets, 360.

10. Pedagogical Experiment in the System of Innovative Educational Activities (2014). Khmelnytsky: HOIPPO, 126.

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IMPROVEMENT OF APPROACHES TO THE CONSTRUCTION OF THE TRAINING PROCESS OF SPORTSMEN, CONSIDERED WITHIN THE FRAMEWORK OF THE REALIZATION OF INFORMAL EDUCATION PROCESSES

p. 28–46

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The problem of using the scientific and pedagogical approach to the organization and conduct of the training process on the example of single-combat athletes is studied. The relevance of this kind of research aimed at revealing the general laws of the formation of rational principles of the scientific and pedagogical process in the system of training athletes is substantiated. It is shown that the data for the statistics of athletes' functional indicators at the stage of the training process, as well as the statistical processing of the indicators of their competitive activity, are the priority for the formation of measures to improve the methods of training athletes considered from the point of view of informal education. The use of Markov chains is proposed to form a predictive model of athletes' readiness for competitive activities. The implementation of this approach ensures the possibility of obtaining data, based on which the overall assessment of the athlete's condition is performed. At the same time, the criterion of the quality of the scientific and pedagogical approach used in the training process is the probability of a state of complete readiness of an athlete to compete in a set of factors. The use of monitoring the athlete's functional state in the training process to obtain data for the construction and calculation of the Markov chain according to the proposed methodology allows to make an overall assessment of the team's readiness for the upcoming competitions.

The analogy of the application of the proposed method in the training system of athletes, considered from the point of view of the implementation of the scientific and pedagogical approach to the organization and conduct of the training process, with the project management. With this consideration, the project is the

preparation of a team for competitive activities, focused not only on the number of awards, but also on the formation of individual qualities of the individual athletes. At the same time, on the one hand, there are no contradictions with the concept of informal education, and on the other, it becomes possible to apply the principles of project management. On the basis of this, the possibility of applying the proposed methodology as a tool for introducing the scientific and pedagogical approach to improving the training process of athletes is justified

Keywords: informal education, scientific and pedagogical approach, competitive activity, training process, forecast model

References

1. Kumarin, V. V. (1996). Pedagogika standartnosti ili pochemu detyam plokho v shkole. Moscow, 64.

2. Bakulev, S. E., Dveyrina, O. A., Chistyakov, V. A. (2013). Analiz individual'noy treniruemosti sportsmenov-edinobortsev. VI Mezhdunarodnyy Kongress «SPORT, CHELOVEK, ZDOROV'YE», 137.

3. Alekseev, A. F., Sirotin, O. A. (2014). Psikhologicheskaya podgotovka dzyudoistov vysshey kvalifikatsii. Problemy i perspektivy razvitiya sportivnykh igr i edinoborstv v vysshikh uchebnykh zavedeniyakh, 6–10.

4. Revenko, E. M. (2011). Individualizatsiya pedsorevnovatel'noy podgotovki bokserov, razlichayushchikhsya individual'no-psikhologicheskimi osobennostyami. Naberezhnye Chelny.

5. Pogadaev, M. A., Gas'kov, A. V., Galimov, G. Ya., Strel'nikov, V. A. (2012). Postroenie pedsorevnovatel'nogo etapa podgotovki bokserov-yuniorov k osnovnym sorevnovaniyam. Vestnik Buryatskogo gosudarstvennogo universiteta, 13, 153–157.

6. Gas'kov, A. V., Kuz'min, V. A. (2004). Struktura i sodержanie trenirovochno-sorevnovatel'noy deyatelnosti v bokse. Krasnoyarsk, 113.

7. Kvashuk, P. V., Efmov, A. K., Maslova, I. N. (2011). Soderzhание udarnoy trenirovki v podgotovke bortsov-sambistov 15–16 let. Nauchno-teoreticheskiy zhurnal «Uchenye zapiski», 6 (76), 76–80.

8. Kuznetsov, A. S., Kiyamov, F. N. (2008). Metodika bazovoy tekhnicheskoy podgotovki v sportivnoy bor'be na poyasakh. Omskiy nauchnyy vestnik, 4 (69), 146–148.

9. Kiyamov, F. N. (2010). Opredelenie fizicheskoy trudnosti vypolneniya broskov v bor'be na poyasakh. Pedagogiko-psikhologicheskie i mediko-biologicheskie problemy fizicheskoy kul'tury i sporta, 2 (15), 1–8.

10. Shayakhmetova, E. Sh. KHarakteristika vedushchikh psikhomotornykh kachestv bokserov. Avaikable at: <http://conf-v.narod.ru/Shiyaxmetova.pdf>

11. Eliseev, E. V., Eganov, V. A., Tregubova, M. V. (2010). Struktura udarnykh tekhniko-takticheskikh deystviy v zashchite u aykidoistov vysokoy kvalifikatsii. Vestnik YUUrGU, 37, 120–123.

12. Dmitriev, N. A. (2011). Metodika sovershenstvovaniya individual'noy manery vedeniya boya v bokse. Vektor nauki TGU, 3 (6), 112–114.

13. Lobanov, V. V. Telesnaya sfera boytsa i kriterii otsenki urovnya ee razvitiya. Konstruirovaniye cheloveka. Seriya: Sistemy i modeli: granitsy interpretatsiy. Available at: <http://iprtomsk.narod.ru/Series.htm>

14. Khodasevich, L. S., Khodasevich, A. L., Kuzin, S. G. (2013). Fatal Injuries in Sports. European Journal of Phys-

ical Education and Sport, 1 (1), 38–48. doi: 10.13187/ejpe.2013.1.38

15. Travny v tkhekvondo. «Sayt «Sportivnaya meditsina»». Sportmedicine.ru © 2006–2016. Available at: <http://www.sportmedicine.ru/>

16. Litvin, I. Z., Kolinichenko, B. A., Gavrilov, V. M. (1987). *Metody optimizatsii slozhnykh tekhnicheskikh sistem i protsessov (veroyatnostnye modeli)*. Moscow: MADI, 350.

17. Kolesnikova, K. V. (2014). The development of the theory of project management: project initiation study law. Management of development of complex systems, 17, 24–30. Available at: <http://journals.uran.ua/urss/article/view/38688/35053>

18. Otradskaia, T., Gogunskii, V., Antoshchuk, S., Kolesnikov, O. (2016). Development of parametric model of prediction and evaluation of the quality level of educational institutions. Eastern-European Journal of Enterprise Technologies, 5 (3 (83)), 12–21. doi: 10.15587/1729-4061.2016.80790

19. Kolesnikov, O., Gogunskii, V., Kolesnikova, K., Lukianov, D., Olekh, T. (2016). Development of the model of interaction among the project, team of project and project environment in project system. Eastern-European Journal of Enterprise Technologies, 5 (9 (83)), 20–26. doi: 10.15587/1729-4061.2016.80769

20. Gogunskii, V., Bochkovsky, A., Moskaliuk, A., Kolesnikov, O., Babiuk, S. (2017). Developing a system for the initiation of projects using a Markov chain. Eastern-European Journal of Enterprise Technologies, 1 (3 (85)), 25–32. doi: 10.15587/1729-4061.2017.90971

21. Lukianov, D., Bepanskaya-Paulenka, K., Gogunskii, V., Kolesnikov, O., Moskaliuk, A., Dmitrenko, K. (2017). Development of the markov model of a project as a system of role communications in a team. Eastern-European Journal of Enterprise Technologies, 3 (3 (87)), 21–28. doi: 10.15587/1729-4061.2017.103231

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FEATURES OF EXPERIMENTAL RESEARCHES ON THE FORMATION OF PROFESSIONAL COMPETENCE OF FUTURE FIREFIGHTERS

p. 47–52

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The analysis of the number and type of fires for 2016 has been carried out, which makes it possible to assess the degree of difficulty in performing tasks for the designation of special units of the State Service of Ukraine for Emergencies. The degree of competence of the personnel of fire-rescue units in the legal (normative and technical documentation of Ukraine) was determined. It is determined that one of the reasons for the imperfect preparation of a firefighter-rescuer is the lack of methods and technical means of practical training in conditions close to real. Taking into account the European experience, the interaction between the reduction of injuries among firefighters and their practices is defined, it is personified in the use of training

grounds of the container type, as well as demonstration mock-ups of residential buildings. On the basis of the results obtained, an innovative approach was proposed to provide experimental studies on the formation of the professional competence of the future firefighter-rescuer and the method of its testing before and after practicing professional training tasks in container-type simulators

Keywords: formation of competence, working capacity, testing, extreme conditions, fire-rescuer, assessments, training ground, simulator

References

1. Analiz masyvu kartok obliku pozhezh. Ukrainian Research Institute of Civil Defense. Available at: <http://undicz.dns.gov.ua/ua/Analiz-masyvu-kartok-obliku-pozhezh.html>

2. DSTU 2272:2006. Pozhezhna bezpeka. Terminy ta vyznachennia osnovnykh poniat (1993). Kyiv: Derzhstandart Ukrainy, 27.

3. Pravyla bezpeky pratsi v orhanakh i pidrozdilakh MNS Ukrainy (2007). MNS Ukrainy, No. 312. Available at: <http://dprch11.pp.ua/slugbova-pidgotovka/psp/210-nakaz-mns-ukrajini-vid-07-travnya-2007-312-pravila-bezpeki-pratsi-v-or-ganakh-i-pidrozdilakh-mns-ukrajini>

4. Pro zatverdzhennia Statutu dii u nadzvychainykh sytuatsiiakh orhaniv upravlinnia ta pidrozdiliv Operatyvno-riatuvanoi sluzhby tsyvilnoho zakhystu (2012). MNS Ukrainy, No. 575. Available at: <http://zakon3.rada.gov.ua/laws/show/z0835-12>

5. Pro zatverdzhennia nastanovy z orhanizatsii hazodymozakhysnoi sluzhby v pidrozdilakh Operatyvno-riatuvanoi sluzhby tsyvilnoho zakhystu MNS Ukrainy (2011). MNS Ukrainy, No. 1342. Available at: http://search.ligazakon.ua/l_doc2.nsf/link1/FIN70661.html

6. Padalko, A. M., Padalko, N. Y., Pukaliuk, V. V. (2013). Pedahohichni aspekty vykorystannia informatsiino-komunikatyvnykh tekhnolohii v protsesi pidhotovky maibutnykh inzheneriv elektrykiv [Pedagogical aspects of the use of information and communication technologies in the process of preparing future engineers of electricians]. Scientific notes of the Rivne State Humanitarian University, 7, 111–113.

7. Kozyar, M. M. (2004). Extremely professional training for emergency situations. Lviv: Spolom, 374.

8. Fire Service Training Guidance and Compliance Framework for Compartment Fire Behaviour Training. Vol. 4. Fire Service Inspectorate (2000). Great Britain: Stationery Office, 95.

9. Grimwood, P. (2008). Euro Firefighter: Global Firefighting Strategy and Tactics, Command and Control and Firefighter Safety. Lindley: Jeremy Mills Publishing Ltd, 352.

10. CFBT Training Programs. Available at: <http://www.cfbt-us.com/services.html>

11. Shtain, B. V. (2015). Perspektyvy rozvytku novoho metodu ta tekhnichnykh zasobiv pidhotovky pozhezhnykiv u trenazherakh konteinerneho typu [Prospects for the development of a new method and technical means for training firefighters in simulators of container type]. Naukovyi visnyk UkrNDIPB, 2 (36), 7–17.

12. E. Landolta's test: Technique of diagnostics of working capacity. Available at: <http://shop.imaton.com/catalog/item/752/>

13. Harbuzova, V. Yu., Yanchyk, H. V. (2008). Dictionary of physiological terms. Sumy: SumDU, 146. Available at: <http://essuir.sumdu.edu.ua/handle/123456789/936>

14. Lehmann, H. E. (1967). Time and psychopathology. *Annals of the New York Academy of Sciences*, 138 (2), 798–821. doi: 10.1111/j.1749-6632.1967.tb55023.x

15. Zagryarsky, V. P., Yegorov, A. S. (2013). Analiz isnuichykh metodiv dlia otsiniuvannya fizychnoi pratsezdatsnosti [Analysis of existing methods for assessing physical capacity]. *Measuring and computing engineering in technological processes*. Odessa, 126–127.

16. Konrady, H. P., Slonym, A. D., Farfel, A. S. et. al. (1970). Funktsional'nye nagruzki. Metodu opredeleniya toksychnosti y opasnosti khymycheskykh veshchestv (Toksykometriya) [Methods for determination of toxicity and hazard of chemical substances (Toxicometry)]. Moscow: Medicine, 183.

17. HOST 21033-75, Systema "Chelovek – mashyna". Osnovnye ponyatiya. Termynu y opredeleniya (1976). Moscow, 7.

18. Platonov, K. K. (1984). Kratkyi slovar systemu psikhologicheskikh ponyatiy [Brief Dictionary of the System of Psychological Concepts]. Moscow: Vysshaya shkola, 176.

19. Nebulytsyn, V. D. (1976). Psykhofyziologicheskyye yssledovaniya yndyvidualnykh razlychiy [Psychophysiological studies of individual differences]. Moscow: Nauka, 336.

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DEVELOPMENT OF THE METHODS OF CONDUCTING THE DEVELOPING GAME "QUIZ" FOR INFORMAL EDUCATION OF SCHOOLCHILDREN OF MIDDLE AND SENIOR CLASSES

p. 53–59

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Intellectual games are a good tool in teaching schoolchildren. Since they allow not only to submit new information in an interesting form, which draws the attention of schoolchildren, it is also used to verify the knowledge that has already been obtained. Various intellectual games are used in various spheres and at different levels of training, in this study the application of the intellectual game "QUIZ" in the framework of informal education of schoolchildren of middle and senior classes is considered.

The aim of the work is development of a new methodology for conducting intellectual games, which will attract the attention of schoolchildren to various aspects of knowledge, as well as diversify the learning process.

In this study, the methodology for conducting the intellectual game QUIZ is developed, various contests that are included in this game, and the methodology for their conduct are described. Studies of the use of this methodology in practice with the use of developed competitions and media materials are conducted. The advantages and disadvantages of using this training method are analyzed. A survey of schoolchildren is conducted, which revealed the success of this training method

Keywords: *informal education, intellectual games, quiz, media materials, team play, leadership skills*

References

1. Malkov, D. Yu. (2012). Osoblyvosti orhanizatsii dozvillievoi diialnosti za mistsem prozhyvannia. Aktualni pytannia kulturolohii, 12, 223–227.

2. Abil'dinova, Zh. B. (2015). Formy i metody ispol'zovaniya stranovedcheskogo materiala na urokakh angliyskogo yazyka. Sotsial'no-ekonomicheskie i tekhnicheskie systemy: issledovanie, proektirovanie, optimizatsiya, 1 (4 (67)), 133–140.

3. Vovk, O. V. (2009). Osnovni zavdannia ukrainskoi dytiachoi literatury (rozдумы nad problemoiu). Aktualni problemy slovianskoi filolohii. Vyp. XX: Linhvistyka i literaturoznavstvo. Donetsk: TOV "Yuho-Vostok, Ltd", 241–249.

4. Petruk, V. A., Prozor, O. P. (2010). Intelektualni ihry yak zasib formuvannya zdatsnosti do aktyvnoi diialnosti studentiv VNZ. Visnyk Cherkaskoho universytetu. Serii: Pedagogichni nuky, 189 (1), 45–49.

5. Sichko, I. (2013). Ekologichna kompetentnist' yak profesiyna skladova pidgotovki maybutnikh vchiteliv pochatkovikh klasiv. Problemi pidgotovki suchasnogo vchytelya, 7, 205–209.

6. Rotan, N. V. (2013). Zastosuvannya innovatsiinykh metodiv navchannia pry provedenni seminarskykh zaniat vykladachamy spetsialnykh dystsyplin na spetsialnosti «bukhhalter-skyi oblik». Aktualni problemy nauky ta osvity: teoriia, praktyka, suchasni rishennia, 3 (4), 199–203.

7. Barr, M. (2017). Video games can develop graduate skills in higher education students: A randomised trial. *Computers and Education*, 113, 86–97. doi: 10.1016/j.compedu.2017.05.016

8. Smith, S., Chan, S. (2017). Collaborative and competitive video games for teaching computing in higher education. *Journal of Science Education and Technology*, 26 (4), 438–457. doi: 10.1007/s10956-017-9690-4

9. Nation-Grainger, S. (2017). 'It's just PE' till 'It felt like a computer game': Using technology to improve motivation in physical education. *Research Papers in Education*, 32 (4), 463–480. doi: 10.1080/02671522.2017.1319590

10. Kordaki, M., Gousiou, A. (2017). Digital card games in education: A ten year systematic review. *Computers and Education*, 109, 122–161. doi: 10.1016/j.compedu.2017.02.011

11. Zakaria, G. A. N., Mahalle, S., Hashim, D. N. P., Mohd Nawi, M. A. (2014). Increasing student mastery and achievement in islamic education through game techniques, memory aid 'the link' and mind maps. *Research Journal of Applied Sciences, Engineering and Technology*, 7 (15), 3203–3208.

12. Sharada (zagadka). Wikipedia. Available at: [https://ru.wikipedia.org/wiki/Шарада_\(загадка\)](https://ru.wikipedia.org/wiki/Шарада_(загадка))

13. Intelektual'naya igra «Pentagon» (6–11 klasy). Intelektual'nyy klub "Kontakt". Available at: <http://www.klubkontakt.net/publ/6-1-0-455>

14. Intelektual'naya igra «Pentagon» (6–11 klasy) (2015). Intelektual'nyi klub "Kontakt". Available at: <http://www.kkzu.org.ua/sostoyalsya-fynal-shkolnoho-chempyonata-harkova-po-chto-hde-kohda/>

15. V Odesse proshli krupneyshie v Ukraine sorevnovaniya po intelektual'nym igram dlya shkol'nikov (2017). Mayak. Available at: <http://mayak.org.ua/news/were-held-in-odessa-ukraines-largest-competitions-on-intellectual-games-for-schoolchildren/>