

Chervonny Mikhail A.

*Doctor of Philosophy, Vice-Rector, Tomsk State Pedagogical University, Tomsk.
E-mail: mach@tspu.edu.ru*

Shvaleva Tatyana V.

*Doctor of Philosophy, Associate Professor, Department of Physical Education Development, Tomsk State Pedagogical University, Tomsk.
E-mail: tshvaleva@yandex.ru*

Vlasova Anna A.

*Doctor of Philosophy, Associate Professor, Head of the Department of Physical Education Development, Tomsk State Pedagogical University, Tomsk.
E-mail: aav@tspu.edu.ru*

FUTURE TEACHERS TRAINING IN THE ADDITIONAL EDUCATION ENVIRONMENT OF PEDAGOGICAL UNIVERSITY

Abstract. *The purpose of the publication is to demonstrate the new ways and forms of additional education of schoolchildren and students in special structures of pedagogical universities.*

The research method involves the analysis of students' participation in organizing and conducting the competitive events for school children and teachers at the Additional Education Centre of Tomsk Pedagogical University.

The research outcomes demonstrate the specific activities of the physical and mathematical profile students in preparation and fulfillment of competitive events for schoolchildren. The given form of pedagogical practice provides the future teachers with the necessary professional competences complying with the New Federal Educational Standards.

Scientific novelty comprises the specificity of students' activities in collaboration with school teachers and children, facilitating the future teachers' competencies; the main phases of preparation and performance of the competitive events; and students' competencies developed in the given process.

The practical significance results from implementation of the present research findings in future studies related to developing the new forms of teaching practices.

Keywords: teacher training, new forms of teaching practice, competitive event.

References

1. Voytekhovskaya M. P., Tayurskiy A. I. Vzaimodejstvie sistemy vysshego professional'nogo i obshhego obrazovanija kak vazhnejshij resurs razvitija uchitel'skogo potenciala. [Interaction of higher vocational and general education as an important resource for the development of teachers' capacity]. *Vestnik*

Tomskogo gosudarstvennogo pedagogicheskogo universiteta. [Bulletin of Tomsk State. ped. Univ]. 2012. № 3. P. 238–241. (In Russian)

2. Zelichenko V. M., Larionov V. V., Pak V. V. Sovmestnaja dejatel'nost' studentov na prakticheskikh zanjatijah po fizike: formirovanie fizicheskikh idej na urovne proekta [The joint activities of students during practical classes in physics: the formation of ideas in physics at the project level]. *Vestnik Tomskogo gosudarstvennogo pedagogicheskogo universiteta. [Bulletin of Tomsk State. ped. Univ]. 2012. № 2. P. 147–151. (In Russian)*

3. Koncepcija podderzhki razvitija pedagogicheskogo obrazovanija (proekt) [The concept of supporting the development of teacher education (draft). Available at: http://vestnikedu.ru/uploads/2014/03/proekt_-Kontseptsii.pdf. (In Russian)

4. Professional'nyj standart «Pedagog (pedagogicheskaja dejatel'nost' v sfere doskol'nogo, nachal'nogo obshhego, osnovnogo obshhego, srednego obshhego obrazovanija)» [Professional Standard «Teacher (teaching activities in the field of pre-school, primary general, basic general, secondary education) (educator, teacher)»]. Available at: <http://www.rosmintrud.ru/docs/mintrud/orders/129/>. (In Russian)

5. Rumbeshta E. A. Nove podhody k organizacii professional'noj podgotovki budushhix uchitelej fiziki. [New approaches to training future teachers of physics]. *Materialy III Mezhdunarodnoj nauchno-metodicheskoi konferencii «Fizicheskoe obrazovanie: problemy i perspektivy razvitija», 4–6 marta 2013 g. [Proceedings XII International Scientific Conference «Physical Education: Problems and Prospects» (4–6 March 2013)]. Moscow: MPG U, 2013, Part 2. P. 83–87. (In Russian)*

6. Federal'nyj gosudarstvennyj obrazovatel'nyj standart vysshego professional'nogo obrazovanija po napravleniju podgotovki 050100 Pedagogicheskoe obrazovanie (kvalifikacija (stepen') «bakalavr»). [Federal state educational standard of higher education in the direction of preparation 050100 Teacher education (qualification (degree) «Bachelor»)]. (In Russian)

7. Centr dopolnitel'nogo fiziko-matematicheskogo i estestvennonauchnogo obrazovanija TGPU. [Center for Physics and Mathematics and Science Study TSPU]. Available at: <http://fmcenter.tspu.edu.ru>. (In Russian)

8. Chervonnyj M. A., Vlasova A. A., Shvaleva T. V. Ispol'zovanie potentsiala pedagogicheskogo universiteta v organizacii dopolnitel'nogo obrazovanija odarenyh detej v oblasti fiziki i matematiki. [Using the potential of pedagogical university in supplementary education of gifted children in the field of physics and mathematics]. *Vestnik Tomskogo gosudarstvennogo pedagogicheskogo universiteta. [Bulletin of Tomsk State. ped. Univ]. 2012. № 5. P. 188–193. (In Russian)*

9. Chervonnyj M. A., Vlasova A. A., Shvaleva T. V., Cvenger E. I. Razrabotka modeli sovremennogo pedagogicheskogo obrazovanija: sozdanie kompleksa neprevyknogo fiziko-matematicheskogo obrazovanija na baze pedagogicheskogo universiteta. [Developing a model of modern teacher education: the creation of complex continuous physical and mathematical education-based]. *Vestnik Tomskogo gosudarstvennogo pedagogicheskogo universiteta. [Pedagogical University. Bulletin of Tomsk State. ped. Univ]. 2013. № 4 (132). P. 14–18. (In Russian)*

10. Shvaleva T. V., Vlasova A. A. Sorevnovatel'nye meroprijatija po fizike i matematike kak sredstvo povyshenija prestizha fiziko-matematicheskogo obrazovanija. [Competitive activities in physics and mathematics as a means of enhancing the prestige of physical and mathematical education]. *Prepodavanie estestvennyh nauk, matematiki i informatiki v vuze i shkole: sbornik materialov VI Vserossijskoj nauchno-prakticheskoi konferencii s mezhdunarodnym uchastiem.*

[*Teaching of natural sciences, mathematics and computer science in high school and school: proceedings of VI All-Russian scientific and practical conference with international participation*]. Tomsk: Publishing House of Tomsk State Pedagogical University, 2013. P. 160–163. (In Russian)

11. Shvaleva T. V., Vlasova A. A., Chervonnyj M. A. Formy uchastija studentov v dejatel'nosti centra dopolnitel'nogo fiziko-matematicheskogo i estestvennonauchnogo obrazovanija na baze pedagogicheskogo universiteta. [Forms of student participation in the activity center of additional physics and mathematics and science education based on the Normal University]. *Vestnik Tomskogo gosudarstvennogo pedagogicheskogo universiteta*. [Bulletin of Tomsk State. ped. Univ]. 2014. № 5. P. 36–40. (In Russian)

12. Shvaleva T. V., Vlasova A. A., Chervonnyj M. A., Cvenger E. I. Sistema dopolnitel'nogo fiziko-matematicheskogo obrazovanija v kontekste razvitija Tomskogo regiona. [The system of additional physical and mathematical education in the context of the Tomsk region]. *Sovershenstvovanie sistemy dopolnitel'nogo obrazovanija detej v kontekste razvitija regiona: materialy Vserossijskoj nauchno-prakticheskoy konferencii*. [Proceedings of the All-Russian Scientific and Practical Conference]. Tomsk: Publishing House of Tomsk State Pedagogical University, 2014. P. 191–193. (In Russian)

13. Bhargava A. Teaching practice for student teachers of b.ed programme. Turkish Online Journal of Distance Education – TOJDE. URL: https://tojde.anadolu.edu.tr/tojde34/articles/article_3.htm. (accessed: 30.09.2014). (Translated from English)

14. Introduction to teaching practice. URL: <http://www.ugr.es/~dmadrid/Practicas/Introduccion al Practicum.htm> (accessed: 30.09.2014). (Translated from English)

15. Loughran J. Professionally Developing as a Teacher Educator. Journal of Teacher Education. September / October 2014. № 65. P. 271–283. URL: <http://jte.sagepub.com/content/current> (accessed: 30.09.2014). (Translated from English)

16. Petersen J. E., Treagust D. F. School and University Partnerships: The Role of Teacher Education Institutions and Primary Schools in the Development of Preservice Teachers' Science Teaching Efficacy. Australian Journal of Teacher Education, № 39 (9). URL: <http://dx.doi.org/10.14221/ajte.2014v39n9.2>. (accessed: 30.09.2014). (Translated from English)