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## Conditions and technologies of students ecological culture formation

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## **Abstract**

© Authors. Technical progress is closely connected with the social and everyday comfort of society, with the level of the needs of modern society, but the disruption of production cycles, the low level of environmental management culture, the unintelligible consequences of its power over the surrounding world, destroy the harmony of the environment and human beings. The purpose of the paper is directed to improve the professional training of graduates of higher educational institutions, capable of solving production problems with minimizing environmental risks. The authors revealed pedagogical approaches to environmental education and substantiated the essence of the concept "ecological culture of students". Pedagogical conditions that contribute to the formation of ecological culture of university students are developed, introduced and experimental tested. The paper is intended for teachers, heads of educational organizations, researchers dealing with environmental security issues.

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## **Keywords**

Ecological culture, Ecological education, Ecological safety, High school, Higher education, Pedagogical conditions, Students

## References

- [1] Zakhlebny, A.I. (1981). School and problems of nature protection: The content of nature protection education. Moscow: Pedagogy
- [2] Kozlova, T.A. (1996). Ecology of Russia. Didactic materials. Moskow: Yunisam
- [3] Mishatkina, T.V. (2004). Pedagogical Ethics. Rostov on Don: Phoenix; Minsk: Tetra Systems
- [4] Petrov, K.M. (2000). Human ecology and culture. Saint Petersburg: Himizdat
- [5] Sivoglazov, V.I. (1996). Ecology of Russia: didactic materials. Moscow: Yunisam
- [6] Suravegina, I.T. (1995). How to teach ecology: a book for the teacher IT. Knowledge Education, 1, 22-27
- [7] Biryukova, N.A. (2004). Formation of ecological consciousness in vocational education. Specialist, 12, 53-56
- [8] Gerasimenko, S.V. (2007). Formation of professionalism of future specialists through research work. Specialist, 6, 6-8
- [9] Ermolaev, Y.A. (1985). Age physiology: a textbook for pedagogical universities. Moscow: High School
- [10] Suravegina, I.T. (1994). Ecology and the world: methodological manual. Moscow: New School
- [11] Vygotsky, L.C. (1999). Pedagogical psychology. Pedagogy Press, 1, 530-533
- [12] Deryabo, S.D. (1996). Ecological pedagogy and psychology. Rostov on the Don: Phoenix

- [13] Prokofieva, E.N. (2016). Application of distance learning technologies in the teaching of the discipline "Life Safety". Collection: Modern pedagogical science and education in Russia: heritage, traditions, forecasts collection of materials of the international scientific-practical conference, 193-196
- [14] Rogovaya, O.G. (1997). Ecological Education. Innovative Processes in Education. Moscow: Knowledge. Understanding. Ability
- [15] Prokofieva, E.N. (2016). Designing the content of the special discipline "Life safety" in the framework of the implementation of the competence approach in the STR. Modern professional education: problems, forecasts, solutions. Scientific and educational center "Knowledge", 131-134
- [16] Muraveva, E.V., Biktemirova, R.G. (2009). Historical aspect of environmentalization of higher technical education text. Collection of official documents and materials of the Federal Agency for Physical Culture and Sports, 404-408
- [17] Prokofieva, E.N., Levina E.Y., Zagrebina E.I. (2015). Diagnostics of formation of competences of students of higher education institution. Basic researches, 2-4, 797-801
- [18] Ermolaeva, P. (2016). The Ecological Culture of Russian and American College Students. Russian Education and Society, 56(1), 19-33