

Priority Changes in Educational System as a Response to the Challenge of Time

Abstract. In modern time of globalization, integration, increasingly growing flow of information, technological boom and the worldwide information network, the existing system of secondary education can not provide the required understanding of the current processes. That is why the author substantiates the need for radical changes of the content and organization of school education, in particular the transition to a holistic, trans-disciplinary system in order to meet the requirements of time and fit the cognitive needs of students. The author proposes the alternative teaching system – EVOLSH – that takes the evolutionary principle as the basics for a new school model formation. This approach offers a new way for modeling the teaching process and the optimal system of education.

The proposed system of EVOLSCH provides students with a holistic world perception and global outlook in the most favorable operational mode for each student. The system approbation demonstrates its advantages and prospects from the philosophic, pedagogic, neurobiological and psychological viewpoint. However, for its adaptation to the educational process there is a need for further collective cooperation of teachers developing the methodology basis for its implementation.

Keywords: globalization, integrity, creation, evolution, education system, modules, projects.

References

1. Aliev N. H., Lantratov A. A. The formation of information society and philosophy of education. [Electronic resource]. M.: The Academy of Natural Sciences, 2008. Mode of access: <http://www.rae.ru/monographs/23>.
2. Bespiamiatnaya I.M.. Integrated project as a way of activation and self-realization of pupils // Municipal education: innovation and experiment. 2012. № 1. p. 34-38.
3. Laszlo E. The Foundation of a transdisciplinary unified theory: the solution of complex multi-factor problems of nature and society // Evolution. 2003. № 3. p. 10-14.
4. Maslow And. Mr.. Motivation and personality // Per. s angl. A. M. Татлыбаевой. SPb.: Eurasia, 1999. 478 p.
5. Мокий In. With. Methodology трансдисциплинарности - 4. Nalchik: El FA, 2011. 59 p.
6. Piaget J. Psychology of the intellect: Per. s angl. M.: Direct-Media, 2008. 351 p.
7. Scherbina Yu. With. Model of evolutionary school in the light of the latest global research in the field of neurobiology // Innovative projects and programs in education. 2010. № 4. p 19-23.

8. Scherbina Yu. With. The contours of a new systemic model of training // the Experiment and innovation in the school. 2009. № 5. p. 9-17.
9. Yanch E. Self-Organizing Universe. Scientific and human meaning of the emergent evolutionary paradigm / transl. from English. Yu. A. Danilov // Public Sciences and modernity. 1999. № 1. p. 143-158.
10. Christian D. This fleeting world: a short history of humanity // Great Barrington (Massachusetts): Berkshire publishing group, 2005. 498 p.
11. Spitzer M. Lernen: Gehirnforschung und die Schule des Lebens / Manfred Spitzer. Heidelberg: Spektrum Akademischer Verlag, 2007. 500 p.
12. The training system ЭВОЛШ [Electronic resource] / International pedagogical Association ЭВОЛШ. URL: [http:// www.evolscheducation.com](http://www.evolscheducation.com).
13. Project Big History [Electronic resource] / International Big History Association, Brooks College of Interdisciplinary Studies, Grand Valley State University. URL: <http://www.bighistoryproject.com>.
14. Scherbina, J. EVOLSCH. Trans-disciplinary Learning System. Presentation at the Conference «Teaching and Researching Big History: Exploring a New Scholarly Field, IBHA Panel 31 [Electronic resource] / J. Scherbina; Big History and Education (Session 4), August 2–5, 2012, Grand Valley State University. URL: <http://www.ibhanet.org/Resources/Documents/conference2012/evolsch-presentation.pdf>.