



Transdisciplinary Learning Model EVOLSCH as a Response to the Challenge of our Time.

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Abstract

School has long been in need of major change. The set of subjects taught at schools does not provide students with a comprehensive worldview. We suggest rejecting old approaches and schemes and aligning the education with the requirements of the globalization era and the schoolchildren's cognitive needs. This report will present a new transdisciplinary learning system. The students' attention is attracted to the processes and phenomena around them, so they are the starting point on which the new teaching model focuses. This model of education will provide students with a global view of the world already in the middle school. It is supposed to fill the complete educational space at school, replacing the course-centred system. Since the matrix of the course is EVOLution, so this ScHool is appropriately titled EVOLSH. The stages of evolution, material, biological and intellectual are the basis for training modules. The concept is based on new approaches to teaching. Among other things, changes will concern: objectives and focus of education, its contents and structure, the logic of teaching, the way teaching materials are compiled and knowledge transmitted, types of teaching and learning, creative opportunities for students, the quality of education. This concept provide for new substance of teaching. The universe and its development dynamics become the object of study at school. The new logic of teaching includes explaining the basic, universal ideas directly when studying the world around us. With this approach, getting to know the world is combined with acquiring diverse information about it, and the learning process becomes an exciting journey through the world of knowledge. The new way to transmit knowledge means it is learned directly through the thematic context in the process of studying vital topics, not a priori as such. Relevant knowledge from different areas of arts and sciences is drawn as necessary in combination to explain in depth and from different points of view a specific natural or social phenomenon. It is knowledge in context that becomes meaningful for the students, allowing them to understand how the world functions. The information offered in this way becomes an integral part of the educational process. To fully leverage the work with the students and implement the new system, subject teachers should apply a creative approach together. The international educational association EVOLSCH has been set up to implement this idea. We invite schools that share our views and beliefs to join us on this project.