

RĪGAS PEDAGOĢIJAS UN IZGLĪTĪBAS VADĪBAS AKADĒMIJA
Pedagoģijas un psiholoģijas zinātniski pētnieciskais institūts
Informātikas un dabaszinību katedra

DABASZINĀTNES UN PEDAGOĢIJA

Monogrāfija

NATURAL SCIENCES AND PEDAGOGY

Monograph

RIGA TEACHER TRAINING AND EDUCATIONAL MANAGEMENT ACADEMY
Scientific Institute of Pedagogy and Psychology
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UNDOUBTED CONTRIBUTION TO THE TREASURY OF SCIENCE

The prepared monograph *Natural Sciences and Pedagogy* is a perfect indicator showing the achieved results of Riga Teacher Training and Educational Management Academy (RTTEMA). From this viewpoint, the academy gives a significant meaning to the twentieth anniversary of its activity. Scientific research work is the essential activity of a higher school. Such school cannot function effectively if it does not ensure the unity of science and studies. The prepared monograph covers quite a vast spectrum of discussed problems. It is very pleasant, that separate units are devoted to very important questions, such as pedagogical (educational) ergonomics, international science projects, gender differences in education, natural sciences, sport pedagogy and others. On the one hand, this reflects scientific interests of the academy researchers and research directions, on the other hand, it shows why the mentioned spheres are important. I would like to emphasize, that the researchers do not stick to a settled traditional approach in pedagogy, however, they solve important education theory and practice questions, search for innovative educational approaches improving education processes in different level and type educational institutions. So-called today's modern or post-modern pedagogy is, in fact, estranged from educational reality, pursuing imaginary innovations and quite often it becomes an elementary verbalism making use of academic linguistics subtleties. There is a very clear interdisciplinary attitude in the monograph, the researchers apparently work in the juncture of different science fields, and, what is most important, that this is an effective solution key of all rising problems. It is obvious, that this cannot be done during a short time. Various researches have been carried out over a long period of time. The international ROSE project can be taken as an example, in which the academy researcher group (the leader prof. dr. Janis Gedrovics) participated. Over the several years, meaningful results have been obtained, which are as if a basis for the search of innovative didactic approaches, solving urgent education practice and university study problems. ICT, permeating very effectively into the educational process, it is not only being made more effective or the quality of it being improved, however, parallelly, it is necessary to ensure safe and healthy educational environment. Thus, the material presented in the monograph in perspective attitude is important both for the researchers and practical workers, because it encourages further inter-directive researches and insights.

It is clear, that this monograph has no purpose "to dig down deep" into education. After all, it isn't the alpha and omega of pedagogy either. However, it is an undoubted effort to go along this way. I think that every reader will

find only for him addressed urgent questions and perhaps their solutions. Education problem spectrum is very vast today, the very education reality is discussed in the context of various paradigms. It becomes relevant to see education science (pedagogy) in a much broader context, in the juncture of various cognition spheres (platforms). We can't today and we won't be able in future to solve education problems at the level of common sense, because cognition is as if constant, uninterrupted dialogue with reality, constant search for truth.

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