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Professional thinking formation features of prospective natural science teachers relying on the competence-based approach

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Abstract

© 2015, Review of European Studies. All right reserved. This paper experimentally proved and implemented a specific approach to designing a control system for formation and development of professionally oriented thinking of students-future teachers of physics, chemistry and biology. Specific methods for regulating the control and self-control of the progress of its development have been proposed, developed in the logic of the educational process in a pedagogical higher school and directed to achievement of educational goals. The primary means of forming professionally oriented thinking in the unity of its procedural, substantive and operational components is to optimize the educational process of higher school through the implementation of the objectives arising from the peculiarities of professional thinking of a teacher. The contents of this article are of value to teachers of physics, chemistry and biology, as well as to future teachers.

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Keywords

Competence-based approach, Professional thinking, Prospective natural science, Teachers