

CHEMISTRY TEACHING IN UNIVERSITIES

The principle of consistency and continuity in supplementary chemical education of gifted teenagers

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Today a transition proceeds from the cognitive concept of education to a concept focused on the personality of the student, to the development of his creative and intellectual potential that actualizes the application of the principles of consistency and continuity in chemical education.

The continuity of chemical education in applying to gifted teenagers means that they continuously, without long interruptions, engage in targeted cognitive activities, including additional chemical education and self-education. Continuity of chemical education is, first of all, the continuity of its content. Otherwise, the continuous development of the substantively and meaningful component, which is included in the general logic of the disclosure of the of chemistry course in general. In addition, the principle of continuity is manifested in cutting-edge education, the use of content, methods and forms that promote the development of the creative personality.

The principles of consistency and continuity are most clearly realized in the work of the Chemistry Institute of Kazan State University with gifted adolescents – the students of the IT-lyceum-boarding school.

At the same time, work on additional chemical education is conducted in three directions. Studying the decision of the Olympiad problems on the basis of IT-lyceum is carried out by the student-prize-winner of the All-Russian Olympiad in Chemistry. The monthly result-based training of lyceum students of 10–11 classes in the laboratories of the Department of Chemical Education is conducted by leading associate professors, PhD in Chemistry. Theoretical and experimental training in the Small Chemical Institute on the basis of an innovative chemical corps is conducted by the post-graduate student, the prize-winner of the All-Russian Chemistry Olympiad and associate professors of the Chemical Institute. The success of this work is evidenced by the fact that over the past five years there has been a steady positive dynamics in the number of winners and prize-winners of the All-Russian Olympiad in Chemistry among students of the IT-lyceum-boarding school.

References

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