

## THE ROLE OF INFORMATION TECHNOLOGY IN THE DEVELOPMENT OF STUDENTS' CRITICAL THINKING

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### Abstract

This article shows the role and importance of information technology in the development of critical thinking. The article also explains that the role and importance of critical thinking in personal development is incomparable.

### Key words

thinking, information, education, proof, conclusion, guess.

Thinking, unlike other processes, is carried out according to a certain logic. Thinking is a mental process of generalized and indirect reflection of stable regular features and relationships of reality, which is carried out for solving cognitive problems, systematic orientation in certain situations. Mental activity is a system of mental actions, operations to solve a specific problem.

Critical thinking is constantly used in receiving information, which allows to analyze, compare, identify and distinguish objects, hypotheses through various solutions arising from previous experiences. Critical thinking is considered a means of reasoning, arguing and explaining the knowledge about the world around us.

The development of critical thinking is essential for every student. Critical thinking skills allow students to make decisions, create logical chains, find relationships between different objects and predict the outcome in a short period of time. It is desirable for a student to have the ability to conduct independent research, think critically, and make independent decisions. Also, the integration of subjects plays an important role in ensuring the independent activity of the student in the future. This issue depends on taking into account the interdependence of subjects, their influence on each other and their level of importance in the formation of the curriculum. It is clear that the role of information technologies in the development of critical thinking is important.

The role of information technology in the process of independent cognitive activity is gaining importance, because today the role of information technology in the development of the ability to find optimal solutions is important due to the existence of different, sometimes contradictory and mutually exclusive opinions in the educational process.

The systematicity of critical thinking is provided by information integration. Through critical thinking technologies, independent algorithmic thinking develops by creating and developing the necessary conditions for a deeper understanding of the properties of the studied objects.

Information technologies form not only intellectual abilities, but also intellectual feelings that arise in the process of cognitive activity. The use of information technologies in the educational process develops intellectual potential.

It can be seen that when a student has statistical information on certain situations, he feels the need to analyze it with the help of information technology advances and is used to draw logical conclusions based on the situation. On the other hand, future specialists will have the opportunity to use it productively with a creative approach to the achievements of information technology in their

field. Online discussion forums, virtual simulations, multimedia resources, and data analysis tools empower students to critically engage with information, evaluate sources, and solve complex problems. In addition, technology can facilitate collaboration, research, and the use of diverse perspectives, further enriching the development of critical thinking skills.

There is also technology for developing critical thinking. Its essence is the reliability of the information received by everyone can evaluate the level and interpret it analytically, justifying the conclusions can form a system of views.

### References:

1. Osnovi kriticheskogo mishleniya / Dj. Steele, K. Meredith, Ch. Temple, S. Walter. - M., 1997. - P. 35.
2. Orlova, V. A. Psychology v voprosakh i otvetax: uchebnoye posobiye / B.AOreksova. - M.: KNORUS, 2009. - 200 p
3. Zunnunov A, Khairullaev M, Tokhliev B., Kholmatov N. History of pedagogy. T. East. 2009.
4. Innovative educational technologies / Muslimov N.A., Usmonboeva M.H., Sayfurov D.M., Toraev A.B. - Tashkent: 2015
5. O.D. Rakhimov, O.M. Turgunov, Q.O. Mustafaev, H.J. Roziev Modern educational technologies /Tashkent, Science and Technology Publishing House, 2013
6. Yarkulova D. EXPRESSION OF CONCEPTS OF SPACE AND TIME IN MODERN WORKS //Conference Proceedings: Fostering Your Research Spirit. - 2024. - S. 117-118.
7. Yarqulova D., Yo'ldosheva G. A. THE DIFFERENCES AND SIMILARITIES OF CASE CATEGORIES IN ENGLISH AND UZBEK LANGUAGES //Conference Proceedings: Fostering Your Research Spirit. - 2024. - S. 212-215.