



## Innovative Teaching Methods in the Education System

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**Abstract:** The article discusses the issues of innovative processes in modern education, as well as issues related to the types of innovative teaching methods and the justification of the need for their introduction into the education system. The milestones of innovation are the integration of the country into the international educational space and the relatively free standardization of education. The article examines the main positive trends of innovative teaching methods and pays special attention to the general understanding of the activation of the educational process.

**Keywords:** innovation, training, teaching, education, teacher.

Using innovative methods not only to improve education, but also to expand opportunities, strengthen governance and stimulate efforts to achieve the ultimate goal of economic growth for the country. Today, education shows humanity the right direction for growth. The purpose of education is not just to make a student literate, but also to motivate him to think intelligently and be self-confident.

As I. V. Plaksina and A.V. Zobkov rightly noted, “the society of the XXI century is a dynamically developing information–type society. The forced transition of educational practice into a digital context has become a test of the existing traditional institutions for suitability and actualized the need to understand the impact of the technological component of educational practice on the results of education in general. Systemic digitalization of education and related issues of health preservation, pedagogy, didactics, psychology become the basis for reflection and comprehension of the acquired experience and the subject of serious interdisciplinary research”<sup>1</sup>.

The most important feature of modern education is its focus on preparing students not only to adapt, but also to actively master situations of social change. By the beginning of the 90s, these educational guidelines had received international recognition as working guidelines in UNESCO programs<sup>2</sup>.

Innovations are very important and consist of new approaches that are promising for the development of educational content based on creativity. They have a positive impact on the development of the effectiveness of the education system as a whole. Innovation is effective due to the use of modern technologies and techniques in a certain field of education, a new approach to solving problems encountered during training.

Today, there is a growing interest in the use of innovative technologies in the educational process in the system of continuing education. One of the reasons for this is that until now, in traditional education, students are taught only to acquire ready-made knowledge, while in education based on

<sup>1</sup> I. V. Plaksina, A.V. Zobkov. Formation of the subject of innovative pedagogical activity in the conditions of educational space. Monograph. Vladimir. 2020. P. 9

<sup>2</sup> Naisbitt J, Aburdene P. Mega-trends 2000. - N.Y., 1990; Towards developing new teacher competencies in response to mega-trends in curriculum reforms. -Bangkok, 1992.

innovative technologies, students are provided with a wide range of opportunities for study, research and creativity. This teaches them to learn independently, to think and analyze, to formulate certain conclusions on their own. Using innovative approaches, the necessary conditions are created for the development, formation and upbringing of personality.

A.V. Yasvin<sup>3</sup> notes that the achievement of a qualitatively different pedagogical practice is possible when innovations in the education system are the result of conscious, purposeful, scientifically based pedagogical activity, which is based on a reflexive analysis of personal and collective pedagogical experience.

From the point of view of a number of researchers<sup>4</sup> (I.F. Isaev, L.I. Mishchenko, V.A. Slastenin, E.N. Shiyarov) in modern conditions of development of society, culture and education, innovative pedagogical activity is conditioned by rapidly changing socio-economic conditions, which entail the need for a radical renewal of the education system. The innovative orientation of the activity of teachers and educators, which includes the creation, development and testing of pedagogical innovations, acts as a means of updating educational policy: strengthening the humanization of the content of education; continuous change in the scope and composition of academic disciplines; introduction of new academic subjects requiring constant search for new organizational forms, learning technologies.

In the modern world, new innovative teaching methods are being used and developed, although this process has been going on since ancient times. Thus, the work of Greek researchers S. Lourmpas and A. Dakopoulou shows the leading role of teachers – leaders in motivating school teachers to innovate in Greek schools<sup>5</sup>.

The work of Chinese researchers H.M. Lai, Y.L. Hsiao, P.J. Hsieh<sup>6</sup> is devoted to the study of the role of motivation in the work of a teacher and ideas about their self-efficacy when switching to flip-learning at a university (students first study topics themselves, using video tutorials prepared by a teacher, and applying learning to practice and transferring knowledge and skills).

By the way, studies have shown that with the intention to use flip training (as an innovative approach), competition as motivation, as well as financial encouragement, career growth, positively coordinates.

According to a number of scientists, innovative activity should be considered from the perspective of a creative approach to the professional activities of teachers, which leads to an increase in the efficiency of their work. For example, L.D. Rubenstein, L.M. Ridgley, G.L. Callan, S. Karami, J. Ehlinger<sup>7</sup> studied the attitude of teachers to pedagogical creativity from the position of socio-cognitive theory.

Innovation, creativity is considered the basis of education in the 21st century. D. Henriksen, M. Henderson, E. Creely, S. Ceretkova, E.T. Sointu, Ch.H. Tienken based on the analysis of many modern works and international pedagogical experience, explore a creative approach in education, taking into account the development of digital technologies and informatization of society, which can be safely considered innovative processes in the classical educational space<sup>8</sup>.

<sup>3</sup> Yarmakeev I. Educational potential of academic disciplines // Higher education in Russia. 2004. No. 9. pp. 64-70

<sup>4</sup> Slastenin V. A., Isaev I. F., Shiyarov E. N. Pedagogy: studies. manual for students. higher. ped. studies. institutions / edited by V. A. Slastenin. M.: Academy, 2002. 576 p.

<sup>5</sup> Lourmpas S., Dakopoulou A. Education al Leaders and Teachers' Motivation for Engagement in Innovative Programmes. The Case of Greece // Procedia – Social and Behavioral Sciences. V. 116. 2014. pp. 359 –364

<sup>6</sup> Lai H. M., Hsiao Y.L., Hsieh P.J. The role of motivation, ability, and opportunity in university teachers' continuance use intention for flipped teaching // Computers and Education. V. 124. 2018. pp. 37 – 50

<sup>7</sup> Rubenstein L. D., Ridgley L. M., Callan G. L., Karami S., Ehlinger J. How teachers perceive factors that influence creativity development: Applying a social cognitive theory perspective // Teaching and Teacher Education. 2018. V.70, pp. 100 – 110

<sup>8</sup> Henriksen D., Henderson M., Creely E., Ceretkova S., Černochová M., Sendova E., Sointu E.T., Tienken Ch.H. Creativity and Technology in Education: An International Perspective // Technology, Knowledge and Learning. 2018. V. 23, I. 3, PP. 409 – 424

V. Evils and A. Childs<sup>9</sup> also studied the use of innovations in pedagogical education. Scientists such as T. B. Heinisa, I. Gollera, M. Meboldta<sup>10</sup> have proposed a multi-level approach in education for the development of innovative competencies of students.

Studying the research results, we came to the conclusion that innovative teaching methods can have a positive impact on the education process:

- innovative approaches to learning encourage students to explore and discover new opportunities, tools to broaden their horizons;
- creative teaching methods allow students to learn at their own pace and encourage them to brainstorm new ways to solve a problem instead of searching for answers already written in textbooks;
- teachers using innovative approaches still give students information, but they tend to break it down into smaller parts and summarize the transmitted knowledge, which makes it easier and faster to assimilate information;
- students have to use more sophisticated tools in the classroom to complete their work, which helps them learn something new and opens up their creative potential. In addition, performing individual or group projects, students know how to manage their time (time management), prioritize tasks, communicate, work better with others;
- grades and exams can say something, but not everything about a student's learning ability and knowledge (especially if someone stealthily peeps during the tests). Innovative teaching ideas allow teachers to monitor classes, be aware of existing problems during training and choose the most appropriate teaching methodology;
- with the help of innovative teaching methods, students can understand what they have learned and what they lack, why study certain things, and, therefore, they will study the presented material with interest;
- innovative teaching methods give students something new, encourages them to express their opinions, communicate and interact more.

In conclusion, I would like to note that the use of innovative teaching methods is an essential skill for teachers. Scientific research has shown that innovative teaching methods and approaches can significantly improve the learning process of students. Introducing innovations in teaching is not an easy task. However, it can be uncomfortable and cause some fear, because, like students, it takes us out of our comfort zone into a position in which we can fail. However, by experimenting with new methods and strategies, we can improve student engagement, motivation and academic performance, and this is a win-win option for both students and teachers.

Innovative methods of work based on the needs, views and professional profiles of students and teachers should ensure high productivity, efficiency and the possibility of application in practice. The standard methodology should be highly practical, use a practical approach that includes real-world work examples, case studies and modeling, collaborative work that promotes mutual learning and collaboration between student and teacher. Pedagogical methods should be based on practical training, group and peer activities, practical training and exchange of best practices. Only in this case they will raise education to a new level and educate highly qualified specialists who will contribute to the development and prosperity of the country.

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