

**ANALYSIS OF THE THEORY AND METHODOLOGY
OF MODERN EDUCATION**

Nurmuhamedova Dilshoda¹

ARTICLE INFO

ABSTRACT:

ARTICLE HISTORY:

Received: 11.10.2024

Revised: 12.10.2024

Accepted: 13.10.2024

KEY WORDS:

education, facilitate learning, emerging teaching methods, innovative ideas, fundamental knowledge, teaching methods, science and technology, activities.

The quality of education is being accelerated by various types of teaching strategies. Teaching is the gateway to learning. Therefore, new teaching methods have been invented for a long time to facilitate learning. Nowadays, the evolving technology of education has led to the development of new teaching methods. So, the researcher has aimed to find out about emerging teaching methods and also analyzed the benefits and challenges of modern teaching methods. A documentary-analysis method has been used to accomplish the purposes of the study. Modern teaching, in essence, is a particular teaching method that focuses on instructing students to improve their intellect by utilizing new and innovative ideas, as opposed to making them recite information memorized from a syllabus to pass a rigid examination. Modern teaching focuses on the entire learning process, rather than focusing strictly on the final result, and is dedicated to helping students build skills as part of a constructivist approach to learning.

INTRODUCTION. Modern teaching methods are necessary because they help meet the educational needs of students in the contemporary era. It also focuses specifically on expanding their fundamental knowledge about the world and building critical thinking skills that will allow them to handle all kinds of challenges as they advance in their academic careers.

Modern teaching methods feature several unique characteristics dedicated to helping support the growth of students' intellectual capabilities and skills. Some of these primary characteristics include;

Learner-centered: Modern teaching methods are designed to focus on learners and keep them from being treated as denominators in classroom interactions, especially within the realm of basic science and technology (BST) curriculum.

Task-Based or Activity-based: Modern teaching methods instruct students through activities and specialized tasks to broaden their education.

Resource-Based: Teachers utilizing modern teaching methods are often dedicated to nurturing the resourcefulness of their students by encouraging the use of different, helpful project materials.

Interactive in Nature: One of the most vital characteristics of modern teaching methods is that tasks, projects, and problems are often interactive.

Peer Collaboration: Modern teaching methods don't just encourage students to learn from educators but also from their peers. Peer collaboration ensures students receive all of the attention and feedback they need.

Teaching methods are effective on students' educational progress, motivating and satisfying them on developing and growing their character and creativity. The phrase "teaching method" describes the overarching pedagogical ideas and management technique applied during classroom instruction and refers to a teacher's approach to achieving the intended outcomes in a classroom environment. The quality of teaching influenced by teaching skills, interaction, communication and evaluation skills of teachers, skills that will ensure sustainability and transfer of scientific information. Modern teaching techniques are also commonly employed to raise teaching standards and provide pupils a better education.

Collaborative Learning is a construct that identifies a strong field nowadays, both traditional on-site and virtual education. This approach is an umbrella term of learning with work together. Collaboration is a trend of the twenty-first century and a potential form of human interaction. In this contemporary teaching approach, educators create a community of students where they may work together to solve their problems and clear the doubts of any topic. This teaching method developed the interpersonal skill, social skill among the learners. The use of Collaborative learning can provide multiple benefits.

Co-operative Learning is a fabulous teaching approach that minor groups of learners apply different learning tasks to develop their cognitive to a topic. Cooperative learning is becoming more and more common in the classroom because it is believed to have positive effects on student achievement, attitudes and social abilities. Otherwise, the learners are developed the traits of accountability, collaboration, team spirit by this teaching method.

Project-based Learning solves the real-life problems of learners. The project-based learning is useful to developing lifelong learning skills, revealing one's strengths and weaknesses and fostering creativity. The majority of project-based learning is based on "real" projects, assuring relevance and boosting motivation. Gamification of education is a technique for raising engagement that involves fusing gaming aspects into a learning setting. This is the technique of integrating game principles and concepts to learning or training setting to make them more engaging and interesting for the learners. The gamification of education can increase student engagement levels in a similar way to how games can do so in order to strengthen their specific talents and maximize their learning.

Spaced Learning is the trending teaching method in the modern era. Spaced learning as defined here is the preparation of allocating and revisiting information provided in separate time periods to facilitate the storage of the required information in the long-term memory. This method is all about beating the forgetting curve. Tactile Learning activities raise the quickness of nervous system and muscular system and it also focuses to the sense of touch. Learners are learned hand on activities by this teaching method. This type of learning is appropriate form practical subjects and skill.

Modern teaching methods provide students a wide range of advantages when utilized correctly by eager teachers. Some of the most important advantages that these methods can provide include; Increase cognitive thinking skills. Help students develop their prefrontal cortex. Emphasize personal development. Allow for unique learning patterns. Provide application-based skill building. Empower students to engage with challenging concepts. Allow students to revise and review older concepts

Flipped Classroom is a famous term in modern education teaching method. This teaching-method is an active, student-centered approach that was formed to

increase the quality of period within class. In this approach before the course the students watch theoretical part of lesson via multiple equipment such as online videos, presentations, learning management systems and take notes, prepare questions about the parts that they do not understand. Flipped classroom approach emerged from the idea to provide education at home watching videos instead of traditional classroom education. Crossover Learning refers to a comprehensive understanding of learning that connects formal and informal learning situations. 'Crossover Learning' is highlighted in the 2015 Innovating Pedagogy report. This teaching-method for a teacher to discuss a question in the classroom, then the learners explore the question in a field trip by collecting evidence, then share their findings back in the class to produce individual or group answer.

Blended Learning is an integrated learning experience that is controlled and guided by the instructor whether in the form of face-to-face communication or his virtual presence. It enriches student's learning experiences. Blended learning required immediate feedback to the students for their performance which can be achieved by combining assessment technique with the use of latest technological advancement. Blended learning forces us to consider the characteristics of digital technology, in general, and information communication technologies (ICTs), more specially.

As there is obscurity at the base of a lamp, there are certain challenges associated with these modern teaching-approaches in addition to any benefits. The researcher analyzed the challenges of these emerging teaching-methods in the present study. The primary barrier to using current teaching methods in traditional classrooms is their infrastructural design. The core of these approaches is collaboration, communication and creativity, yet developing these abilities is nearly difficult with students sitting in rows of desks all day. The development of a contemporary classroom is aided by video conferencing tools, screen casting programmers and cloud-based platforms that enable teachers to build and deliver classes. Although one of the primary reasons instructors don't use technology in the classroom is low-quality, malfunctioning and outdated ICT equipment, this might be a hurdle to success. The less traditional structure might be challenging for students who haven't been exposed to new teaching methods. The strategy would be useless if students lacked self-discipline and showed up to class without understanding the subject. For a flipped classroom to be effective, content is essential. However, a novel strategy frequently calls for new materials. Even the most passionate instructors might become discouraged by the idea of producing and creating fresh content since spare time is one thing that very few teachers have in abundance. The teachers are also facing the technical issues during the online teaching because there is lot of the internet connectivity issues in the remote area.

Conclusion. To conclude, the researcher said that the modern teaching-approach is mostly experienced-based and also learner-centered where the traditional teaching approach was subject-centered or teacher-centered. Both teaching approaches have their cons and pros. But in the present scenario, the modern teaching-approach is most suitable to achieve the educational goal and fulfill the learners' educational needs. Nowadays, there are many different teaching approaches. New teaching methods have been incorporated into traditional and online classroom setting, greatly enhancing student learning and memory retention. Teaching has gotten significantly more sophisticated in today's world of fast change and educational institutions are increasingly using cutting-edge teaching techniques

to manage students in a classroom. New teaching technologies will be the best option for educators. However, modern teaching methods are ideal for the twenty-first century to keep up with habitats and surroundings.

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