

USING MODULAR EDUCATIONAL TECHNOLOGY IN TRAINING STUDENTS TO THINK INDEPENDENTLY

Saparov Hikmat

International University "Asia"

Pedagogy and Psychology

2nd year master's student

Annotion. This article analyzes the essence of modular educational technology, its advantages and its role in teaching students to think independently. It also highlights the factors that contribute to the development of students' activity, responsibility and creative abilities through a modular approach.

Keywords: modular education, independent thinking, innovative technology, pedagogical approach, active teaching methods.

The main goal of the modern education system is to form a person not only as a student who has acquired ready-made knowledge, but also as a specialist who thinks independently, analyzes logically, can justify his views and approaches creatively. In today's era of globalization and rapid development of information technologies, people are required not only to possess knowledge, but also to be able to apply this knowledge in practice, create innovations, and approach problems in a new way. Therefore, the issue of increasing the activity of a student or student in the educational process, developing his ability to think independently, is gaining urgent importance.

Modular educational technology is recognized as one of the effective tools in achieving such goals. Modular education is an approach aimed at organizing the educational process on a scientific basis, dividing educational materials into certain logical parts (modules) and ensuring the student's independent work within each module. This technology provides a transition from passive forms of education to active teaching methods. That is, the teacher acts as a guide and advisor rather than a source of knowledge, and the student becomes the center of the learning process.

The main idea of modular educational technology is to teach students to independently search, think and make decisions in the process of acquiring knowledge. Each module harmoniously combines theoretical knowledge, practical exercises and independent tasks. This allows the student not only to master the knowledge given by the teacher, but also to process, analyze and independently express his own opinion.

In addition, the modular educational system creates the opportunity for individual training, taking into account the personal characteristics of the learner, the level of knowledge and the speed of mastering. Each student acts in accordance with his abilities, which increases his internal motivation. As a result, in the educational process, the student becomes not just a learner, but an active participant responsible for his own growth and development.

At the same time, the modular approach is based on the most important principles of modern pedagogical technologies - the principles of systematicity, consistency, independence and active participation. This increases the effectiveness of education, serves to develop the logical thinking, analytical thinking skills and creative potential of the pupil or student. The introduction of modular educational technology is one of the most effective ways to improve the quality of modern education, form a culture of independent and critical thinking in learners, and thoroughly prepare them for life.

Modular education is a system of dividing the educational process into goal-oriented, logical parts - modules, which are convenient for independent mastery. Each module combines theoretical knowledge, practical exercises and stages of independent work that serve to in-depth mastery of a certain topic. In this regard, modular education, with its content, ensures the student's independent work, acquisition of knowledge on a research basis.

In the educational process, the teacher is no longer just a provider of knowledge, but also a guide, leader and motivator. The student is at the center of the learning process - he becomes an active participant, seeker and independent decision-maker. This change moves the educational process from a "teacher-centered" model to a "student-centered" model.

One of the most important advantages of this approach is the strengthening of the student's independence and creative thinking in learning. In the modular system, each student moves at his own pace of development, which allows him to fully realize his individual capabilities. The student learns the module at his own pace, completes each stage on time, and independently controls his knowledge.

In this approach, assessment also serves as a means of stimulating student activity. At the end of each module, the student analyzes his knowledge, evaluates his results, and determines the areas for further work on himself in the next stages. Thus, critical thinking, an analytical approach, and a sense of responsibility are formed in him.

In the process of modular education, the student acquires his knowledge not through passive memorization, but through active research, analysis, and discussion. In each module, theoretical knowledge is reinforced with practical tasks, which activates the student's thinking process. As a result, the student is formed as a person who analyzes the problem himself, finds solutions, and strives to create innovations.

Modular educational technology also develops self-management, planning and time management skills in students. The student takes responsibility for achieving the goals set in each module, which thoroughly prepares him for future professional activities. The essence of modular educational technology is to focus on the student's activity, personalize his learning process, develop independent

thinking and a creative approach. This technology increases the effectiveness of the educational process and forms the competencies necessary for a modern specialist.

Modular educational technology is one of the most effective pedagogical approaches to teaching students to think independently. Because this system activates the student's participation in the educational process, turns him into a creator of his own knowledge. At the heart of modular education is the concept of "student" - that is, not the teacher, but the student plays an active role as the main subject of the learning process.

First, the module structure itself requires the student to think actively and make independent decisions. Each module is focused on specific goals and includes theoretical knowledge, practical exercises, analytical tasks and reflection (analysis of one's own opinion) stages. During the module, the student draws conclusions based on his own observations and analysis, not on the teacher's ready-made answers. At the end of each section, he independently finds answers to questions, analyzes problem situations and develops practical solutions. Thus, the student reaches a level where he can prove the correctness and validity of his own opinion.

Secondly, interactive methods used by the teacher in the modular education process - such techniques as "Boomerang", "Brainstorming", "Networks", "Cluster", "Debate", "Blitz Q&A" - form students' free thinking, the ability to justify their opinions. These methods increase the activity of students, they learn to defend their point of view with logical arguments. Also, in such classes, students acquire the skills of working together, comparing different opinions, and approaching the problem from several angles.

Thirdly, the assessment mechanism in the modular education system also encourages students to think independently. In the traditional rating system, students rely mainly on the teacher's assessment, while in the modular system, the assessment process is carried out in two ways - by the teacher and in the form of self-assessment of the student. This approach forms a culture in students of analyzing their results, working on themselves, and realizing their mistakes. The student studies not only to get a grade, but also to monitor his growth and development, to improve his performance.

In addition, in the process of modular education, the student is faced with problem situations, which teaches him to think quickly and creatively. For example, when completing problem assignments or project work, the student has the opportunity to create new ideas, analyze them and test them in practice. This process develops the creative potential of students and forms them as responsible specialists who can make independent decisions.

As a result, students studying in the modular education system not only gain knowledge, but also acquire the skills to freely express their opinions, argue, analyze and control their own activities. Therefore, modular education technology is

of incomparable importance in forming a culture of independent thinking, which is one of the most important qualities of a modern student.

Pedagogical experiences show that in groups trained on the basis of modular education technology, the level of knowledge acquisition, analytical thinking skills and motivation for independent work of students significantly increase. This form of education does not limit students only to theoretical knowledge, but also forms them as individuals capable of solving practical problems, making independent decisions and justifying their opinions. Especially for students studying in technical, economic, medical and pedagogical directions, the modular education system gives high results, because this approach allows them to think creatively and critically within their specialty.

Modular educational technology has been proven in practice to be an effective tool for teaching students to think independently. At the end of each module in the educational process, the student independently analyzes his knowledge, identifies his mistakes and tries to correct them at the next stage. As a result, he develops self-development, research and independent decision-making skills.

In order to further increase efficiency, the following recommendations can be made:

1. When developing modules, learning objectives should be defined in a way that is clear, measurable, and develops students' independent thinking.
2. Problem situations, practical tasks, and interactive exercises should be mandatory in each module.
3. When assessing students' independent work, it is necessary to pay attention not only to the final result, but also to their thinking process, analysis style, and approach to solving the problem.
4. Teachers should have a deep understanding of the essence of modular educational technology and acquire the necessary methodological knowledge and skills to develop independent thinking in students.
5. In order to effectively organize the modular teaching process, it is important to train teachers through advanced training courses, provide them with methodological guides, and create opportunities for sharing experience.

In conclusion, modular educational technology plays an important role in developing independent thinking in students, educating them as active, inquisitive and creative individuals. Therefore, the widespread introduction of this approach into the education system will further improve the quality of modern personnel training.

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