

Didactic Possibilities of Creating an Environment of Individual Approach in the Educational Process

Jamshid Turdiev

“Tashkent Institute of Irrigation and Agricultural Mechanization Engineers” National Research University, 39, Street Kari Niyaziy, Tashkent, 100000, Uzbekistan

Abstract

It is known that the didactic possibilities of creating an environment of individual approach in the educational process are objects that facilitate direct and indirect knowledge of reality by providing students with sensorimotor stimuli affecting vision, hearing, direct touch, etc.

Individual educational environment is a set of conditions that allow students to receive quality education, taking into account their individual characteristics and needs. The article discusses the didactic possibilities of teaching in an individual educational environment.

Key words: Individual education, opportunity, technology, practice, approach, interest, purpose.

It should be said that the individual educational environment is a space created for the individual development and learning of each student. It includes all the necessary resources, tools, and technologies to help a student achieve his or her educational goals.

One of the main goals of an individualized learning environment is to create favorable conditions for each student to use their resources and capabilities to the maximum. For this, the environment should create conditions for an individual approach to each student, his interests and needs.

One of the important components of an individualized learning environment is technology. Modern technologies make it possible to create interactive educational materials that can be individually

adapted for each student. Technology also enables the use of virtual classrooms and online courses, making the learning process more convenient.

The issues of teaching in an individual educational environment were considered in the researches of scientists such as N.N.Azizkho'jaeva [1], N.Sayidahmedov [7]. Innovations in the educational system, new pedagogical technologies and their inclusion in the educational process were also discussed.

The didactic possibilities of teaching were studied by S.N. Gorycheva, M.P. Endzin [2], Y.V. Makhova [4], V.V. Serikov [8] and others.

The insufficient study of the problem of the search for didactic possibilities of teaching in an individual educational environment leads to the following contradictions:

- at the professional and normative level - between the need to develop the didactic possibilities of teaching in an individual educational environment and its insufficient professional and normative development in the science and practice of pedagogy;
- at the scientific and methodological level - the absence of structural instructions responsible for the training of highly qualified graduates, the development of didactic possibilities of teaching in an individual educational environment as a mandatory component of professional training;
- at the socio-pedagogical level - between the analysis of the indicators of the development of didactic possibilities of teaching in the individual educational environment, and the readiness to carry out such activities.
- at the creative and research level - between the lack of idealized examples in the science and practice of pedagogy on the development of didactic possibilities of teaching in an individual educational environment using design technologies;
- at the constructive and technological level - between the need to use the didactic possibilities of teaching in an individual educational environment, on the one hand, and the insufficient development of these technologies, on the other hand.

Another very important component of the individual learning environment is the availability of individualized curriculum. These plans are made individually for each student, taking into account his interests, goals and level of knowledge. They help students identify their strengths and weaknesses and develop a personalized study plan to help them achieve their goals.

In addition, the individual learning environment must be safe. This means that students should only use the resources they need to learn and be in control of their own actions and information.

An individual educational environment is a set of conditions that allow for quality education, taking into account the individual characteristics and needs of the student. It includes not only learning materials and teaching methods, but also psychological and social aspects such as student support and motivation.

Creating an individual learning environment requires flexibility and creativity from the teacher. He should be able to adapt the educational material to the needs and level of knowledge of each student, as well as take into account his individual characteristics, for example, the type of information perception, the level of motivation, etc.

An individual learning environment can be created in various forms:

1. Online courses are a convenient way to learn at any time and from anywhere in the world. They allow students to choose topics that interest them and study them at their own pace.
2. Individual lessons with a teacher are an opportunity to receive individual help from an experienced teacher. The teacher can adapt the curriculum to each student, taking into account his strengths and weaknesses.

3. Group lessons are an effective method of teaching in small groups. Students can share knowledge and experience, get help from their peers.
4. Self-study is a method that allows students to learn the material and complete tasks independently. This can be useful for those who prefer to learn at their own pace and without the constant support of a teacher.

Advantages of an individual learning environment:

1. Individual approach. Students can choose courses and instructors that match their interests and knowledge level. This allows them to better understand the material and achieve better results.
2. Flexibility. Students will be able to choose their own pace of study and modify the curriculum according to their needs. This allows them to study at a time and place that suits them.
3. Development of independence. Students learn to independently plan their time, choose tasks and ways to solve them. It develops their self-organization and self-management skills.
4. Increased motivation. Students will have the opportunity to study in an environment where they feel comfortable, confident and successful. This increases their motivation and desire to learn.
5. Improved results. Students who study in individualized learning environments generally achieve better results than those who study in traditional environments. This is because they have more flexibility in choosing courses and teachers and can change their curriculum.

However, it should be noted that an individualized learning environment may not be available to all students. Therefore, it is important to create conditions for the learning of all students, regardless of their individual characteristics and needs.

Didactic opportunities for teaching in an individualized learning environment are an important element of modern education, which allows each student to develop and achieve their educational goals. It provides an individual approach to each student and helps him to make the most of his opportunities and resources.

Didactic opportunities for teaching in an individual educational environment are objects that facilitate direct and indirect knowledge of reality by providing students with sensorimotor stimuli affecting sight, hearing, touch, etc. The word "object" in the above definition refers to both real objects and their models, metaphorical, verbal or symbolic substitutes.

Didactic opportunities understood in this way perform the following tasks in the educational process:

- serves to directly know some parts of reality (cognitive function);
- a means of developing cognitive abilities, as well as students' feelings and will (formative function);
- represents an important source of knowledge and skills, helps to consolidate the studied material, tests hypotheses, checks the level of mastery of knowledge, etc.

The listed tasks of didactic opportunities intersect and complement each other. The quality of lessons in an educational institution depends on the presentation, the use of visual aids, the ability of the teacher to combine vivid words with images using various educational technical tools that have the following didactic capabilities:

- sources, information;
- rationalization of educational information presentation forms;
- increase visibility, clarify concepts, events, events;
- organization of direct perception;
- enriching students' range of ideas, satisfying their interest;
- to fully respond to students' scientific interests and requirements;
- formation of emotional attitude of students to educational information;

- increasing interest in learning through the use of original, new designs, technologies, machines, tools;
- providing students with materials that would not be available without technical means of education;
- activation of cognitive activity, conscious assimilation of material, development of thinking, spatial imagination, observation;
- means of repetition, generalization, systematization and control of knowledge;
- show the connection between theory and practice;
- to use the most effective forms and methods of teaching, to create conditions for the implementation of the main principles of the integrated pedagogical process and the rules of teaching (from simple to complex, from close to far, from concrete to abstract);
- saving teaching time, teacher and student effort by condensing educational information and speeding up the pace.

All this is achieved due to certain didactic features of the technical means of education, which include:

- 1) wealth of information;
- 2) the ability to overcome existing time and space boundaries;
- 3) the possibility of deep penetration into the essence of the phenomena and processes being studied;
- 4) showing the development and dynamics of the studied phenomena;
- 5) the reality of reflecting reality;
- 6) expressiveness, richness of inventive techniques, emotional richness.

The effectiveness of the technical means of education is determined by their specific educational goals, tasks, specific characteristics of the educational material, forms and methods of organizing the work of teachers and students, material and technical conditions and opportunities.

In conclusion, it can be said that the didactic possibilities of teaching in an individual educational environment allow effective implementation of pedagogical activities, purposeful organization of the process of pedagogical communication, as well as effective implementation of pedagogical activities of the teacher in the personal development and improvement of the teacher.

List of references

1. Азизходжаева Н.Н. Педагогик технология ва педагогик маҳорат. Ўқув қўлланма. – Тошкент: ТДПУ, 2003. – 174 б.
2. Горычева С.Н., Эндзинь М.П. Развитие дидактической компетентности учителя: Пособие. Великий Новгород: МОУ ПКС «Институт образовательного маркетинга и кадровых ресурсов», 2006. 96 с.
3. Гришина И.В. Профессиональная компетенция руководителя школы как объект исследования [Текст]: Монография – СПб.: СПбГУПМ, 2002.
4. Махова Ю.В. Использование группового консультирования при формировании дидактической компетентности педагогов // Среднее проф. образование. 2009. №5. С. 46-48
5. Певзнер М.Н., Зайченко О.М., Горычева С.Н Педагогическое консультирование: Учеб. пособие. М.: Академия, 2006. С.268.
6. Психология: словарь [Текст]: А.В. Петровский. – М.: Просвещение, 1984. – 212с.
7. Сайидахмедов Н. Янги педагогик технологиялар (назария ва амалиёт). – Т.: Молия, 2003.- 172 б.

8. Сериков В.В. Обучение как вид педагогической деятельности: учеб. пособие для студ. высш. учеб. заведений / Под ред. В.А. Сластёнина, И.А. Колесниковой. М.: Издательский центр «Академия», 2008. 256 с. (Профессионализм педагога).