

Use of innovative methods in teaching subjects

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Abstract: Simple lectures, which are the teacher's hourly monologues, are no longer interesting to modern students. They are easily bored and express it openly. A university or vocational school teacher must now not only engage but also captivate the audience's attention. For these goals, cutting-edge instructional technologies are being developed.

Keywords: innovation, method, style, heuristic conversation method, brainstorming, discussion, case study, colloquium.

The primary goal of education in the twenty-first century is to develop a person capable of succeeding in a competitive world. As a result, unique learning methods are introduced into the learning process.

The establishment of learning settings involving interaction between teacher and pupils is the organization of education.

The approaches' great efficiency is based on the following principles:

The educational institution must be competitive enough to embrace a cutting-edge learning strategy.

The ability to improve educational quality in accordance with state criteria and principles of creative methods application.

Innovative teaching tools at the institution are generally highly appreciated by students and help to improve teaching effectiveness. Students are diverted from the conventional templates of theoretical and practical projects by new tasks and sorts of autonomous work.

At the university, a variety of cutting-edge technologies are used in the classroom. Some of the most common concerns are discussed in this article. They are frequently utilized by university professors and posted as current information.

We attempted to group and characterize those using creative learning methods that we have encountered in our personal experience because there are various different classifications.

Let's take a look at some creative teaching methods and a breakdown of their primary subcategories.

Method of software training

Traditional methods will change when goals and plans are defined, as well as ways of encouragement and control over knowledge content. The following are the methods for putting the program method into action: program stage, algorithms requested by the teacher, or algorithms chosen by the teacher.

How to study the problem

It is based on the situation in which he was educated. That is, the control center is the mental activity of the person placed in a particular position. The student solves the problem, finds ways out of it, looks for hypotheses, and explains the phenomenon and its contradictions.

Interactive learning

The teacher expresses a scientifically based point of view and his or her personality, expresses an attitude to the problem, and emphasizes the position. Interactive methods include: heuristic conversation, roundtable discussion, training, Brainstorming, creative education, discussions and business games.

Heuristic conversation method

The heuristic dialogue approach (from the Greek *heuristicos*-I search, I open) can be traced back to Socrates' ancient Greek doctrine. This is one of the approaches that use leading questions to urge the teacher to come up with answers on their own.

A current form of this strategy maintains an ancient trend: students respond to well shaped questions, which activates the brain's mental activity.

A modern variation of this method has retained an ancient trend - students answer skillfully shaped questions, which in turn activates the mental activity of the brain.

As a result, a vibrant conversation is a group chat in which you must discover a solution to a problem. Because children share ideas, hypotheses, ideas, and assumptions while discussing and discovering answers, pedagogy considers this method to be a problem-based learning method.

Roundtable

The "roundtable" style of pedagogy has borrowed from political science and science. It is designed to study theoretical problems and improve assimilation through discussion in scientific departments.

Brainstorming

Brainstorming("Idea generation"). The strategy is to come up with novel innovative concepts that haven't been used previously. Students are separated into two groups: those who generate ideas and those who criticize them. The first is for people who have a lot of imagination and are creative thinkers. Analysts and children who tend to handle specific problems make up the critical group.

Discussion

This technology pushes students to go over what they've learned, read more literature, and come up with fresh approaches to address problems. The discussion topic is a scientific or ethical issue with no clear point of view and conflicting perspectives that can be addressed. Two groups of students are formed, one on the positive side and the other on the negative side.

Case-study method

The case-study method is very interesting in terms of innovative potential. This is especially important as modern teachers need to master intensive interactive learning technologies.

Case-study method is practical training method-education in which students and teachers are directly involved in the discussion of business situations or tasks. With this method of teaching, the student is forced to make an independent decision and justify it. Before explaining the basics of the case method, we will determine what works.

The word "Keys" has English roots and translates as "key", "case". Nowadays, CASE means analyzing a situation or a specific case. This can be called specific situation analysis technology, a specific task in the learning process often requires participants to provide additional information on situation analysis. Eventually, students find their own conclusions, solutions to a problematic situation, and often in the form of multiple solutions that are unclear. The case-study method is radically interactive because it initially introduces teachers to the process "horizontally" subject-to-subject relationships, giving students active, enterprising, independence in coordinating with their peers' opinions and gives the right to have a point of view. The most important advantage of teaching this innovative technology is that this approach focuses beyond the learning area. It enters the field of professional problem solving in the field of knowledge, forming interest and Profile motivation.

A method of discussion in teaching

Discussion is a form of learning activity in which students express their opinions on a problem posed by the teacher.

Discussions on problematic issues include writing student essays and theses. Electronic libraries are used in preparation for the discussion. Most e-libraries have free access to the Internet.

An important advantage of discussions as an innovative learning technology is that communicating with the teacher encourages students to look for different ways to express their opinions. In addition, the use of the discussion method enhances students' attitudes toward new information and their acceptance and understanding of new perspectives. The discussion will be held in several stages

- problem statement
- divide participants into groups
- discuss problems in groups
- present the results to the whole group
- continue the discussion and summarize

The main feature of the learning discussion is the position of the teacher in the dialogue, which is carried out in a special organizational effort, the observance of its rules by all participants, determines the tone for discussion.

Use of Internet technologies: e-mail

The use of email is very important in university education. This significantly speeds up the exchange of information between teacher and student.

E-mail exchange of messages between students via the Internet.

It is known that e-mail is one of the first electronic technologies invented and mastered by man, and this type of communication appeared before the Internet with new types of electronic mobile communications. In contrast to the classic form of email-new web communication tools, it is an asynchronous type of communication.

Communication between teacher and student via email is based on the creation of electronic messages. Messages can include lecture texts, lecture texts, supervision assignments, and assignments for hands-on activities. The use of e-mail is of particular importance in distance learning.

How to drop out of school

The method of dropping out of schools has spread relatively recently. Its basic application is important for higher and secondary special education. Exit schools are often organized in the summer. Among them:

- lectures
- seminars and trainings
- smart and business games
- problem solving
- theater production
- choices
- communication with teachers
- with students and peers.

Exit schools are intensive forms of team training in a diving mode in a professional environment.

Students will have the opportunity to organize knowledge, develop practical group work, share experiences, and establish business relationships. Suddenly, classes are held in the form of excursions to exhibitions. According to the results of excursions, students prepare lectures, essays, discussions are organized.

Test method, innovative teaching technology

The test method is widely used in modern pedagogy within the framework of teaching methods. It allows you to check the students level of knowledge in a short time.

Students' tests are organized during lectures and seminars. Testing has been used for a long time as an innovative educational technology at the university, but has become widespread in recent decades. This is due to changes in the education standard.

Colloquium

In modern education, colloquium is widely used as one of the most versatile ways to check and collect students' knowledge. Its positive feature is that it covers any questions and topics from the course being studied that are not included in the practical and seminar sessions.

Colloquium is a form of study in which the teacher monitors the mastery of students in a complex lecture course.

Often, colloquia are a variety of study sessions in which students discuss different works, their study projects, and written theses. Based on the results of the colloquiums, teachers issue scores or assessment scores, according to which the enrollment book is taken into account or not.

Business game method

The business game style allows you to simulate practical situations and solve events and problems that may occur in certain situations. This method of using innovative technologies in teaching at the university is widely used in foreign countries.

Business game style is a method of simulating decision making by professionals in different situations.

The didactic purpose of the business game is to improve the methodological components of the ability to move, in particular, in solving decision-making situations in the implementation of activities.

Tasks of innovative technologies in teaching

After examining the most common innovative technologies in national education, it is possible to highlight a system of features that enhances the role of these innovations. The main tasks of innovative education are:

- accelerated development of student and teacher personality;
- democratization of their joint activities and communication;
- humanization of the educational process;
- initiative of the student in self-formation as a future professional, focused on creative education and active learning;
- modernization of teaching aids, methods, technologies and material base that will help to form professional innovative thinking in the future.

Modern methods are described as a process of creative creation and express the freedom of thought and movement of the subject of education.

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