

Methodology for Teaching Special Subjects in the Preparation of Students of Professional Educational Institutions for Professional Activities

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ABSTRACT

Methods of teaching special subjects develop such as the formation of activity and independence in students, their mutual exchange of thoughts and experiences, mastering independently, finding new solutions to various complex questions and tasks related to veterinary medicine in an independent way and independent study of educational material, creative search. In this respect, the teacher also interacts with the purpose, function, content, method, form and means of special subjects and helps the student a lot in mastering the subject.

Introduction. The tasks of the methods of teaching special subjects are not limited to the transmission of science materials to students, but ensure that they are meaningful, such as achieving an optimal result in everyday activities, carrying out the educational process, extensive use of experiments. In this respect, in their implementation, the teacher ensures that the understanding of Veterinary Medicine problems in students organizes and prepares them to have the knowledge to apply them in practical activities, keeping the training at a high level. That is why methods teach you to delve deeper into the essence of the subject in the meaningful implementation of training.

Content of teaching special subjects to students of 3440100-veterinarian, cytologist educational direction in professional educational institutions and on the basis of their methods, students receive extensive vaccination in livestock complexes or reserves, ATARs (black mole, small horned and so on), conducting diagnostics in certain animals, prophylaxis, combating common epidemic diseases in emergency situations, conducting surgical operations, treating certain animals, giving birth to animals, caring for weakened calves, correcting and sleeping those unable to live, acting as a veterinarian-sanitary expert, and diagnostics, taking blood, garbage, urine for analysis, choosing medicines for the treatment of sick animals, conducting surgical operations, moralizing, sleeping animals that do not recover. If the animal hospital conducts its activities in the presence of the veterinary Academy or the Institute of scientific inspection, organize frequent business trips to livestock complexes; take samples from processed raw materials for bacteriological, chemical and other analyzes in peasant markets or food processing

enterprises, control prepared products, production environments, ensure a full response to food production norms; organize compliance with sanitary and safety standards;

In institutes of scientific inspection specializing in livestock or veterinary medicine – the development of tools and methods for treating and preventing animal diseases, diagnostics and methods; in pharmaceutical firms - the preparation and sale of veterinary drugs, medicines or food; in reserves-training in the hands, feeding (dogs), giving advice and recommendations to customers; in institutes of scientific inspection of hunting and animal husbandry-interactive methods.

The word "interactive" comes from the English word "Interactive", which means "Inter" – "together" and "ast" – "to move", to move between themselves or with what (for example, with a computer) or with whom (with a person) to be in the mode of conversation, dialogue (communication). So, interactive teaching is dialogic teaching in which the teacher and the organization of the activities of the student's interaction, carries out the goals of forecasting. The essence of interactive teaching is that in the educational process, all students are involved in the process of perception. They will have the opportunity to understand and form a reflex according to what they know and think.

Research objectives and methods. In order to make the most of ICT in the process of teaching special subjects and achieve high efficiency, first of all, the precise design of the lesson and the use of technologies in it will help students to quickly, accurately and correctly understand the knowledge of Veterinary Medicine based on the sequence. In the process of completing tasks from special subjects using ICT, the activity of students increases, and complex and time-consuming actions are performed instantly automatically. Basically, in the following years, a lot of work is being carried out in the country, including in the direction of computerization of the educational process of educational institutions (establishing computer-aided education of all educational subjects) and ensuring computer literacy. Today, computers can count, write, read, learn, speak, store, draw, process, sort, retrieve and send information to an address, edit, make layouts, create audio and video, play. Its capabilities are increasing day by day. The computer has become the most reliable friend of a person at work, study, at home and even at rest. The computer also sets up a dialogue between the reader based on a pre-prepared program. In this context, the computer stands close to programmed education.

Scientists' opinions and experiments show that computers are able to display information in different directions. It can detect and store worldwide data. Therefore, the computer is able to establish communication in the demonstration of information in order to find out to what extent the reader has mastered certain information. In doing so, the program is able to show the result of the data that the reader has mastered and also be able to provide the necessary support for it. In this, the dialogue "Man – Machine" is realized.

Since computer is a powerful and flexible (variable) tool of the educational process, computerization of education today is an important socio-pedagogical phenomenon. The computer helps inform the course of the lesson, taking into account the activities of each teacher and student, the content of each subject. As a result, the necessary software tools for the pedagogical process, their methodological teaching, programming mechanisms are developed, new information is collected, stored and opportunities for its use are created. Because computers are the most important means of informatization of Education. Another feature of computers is assistance in solving educational problems. Because, the teaching material seems to be a big problem for students at first. Highly thought-out and research-oriented training assignments, problem situations in which they are improved to solve them, increase the student's interest if solved with the help of a computer. Computer-mediated knowledge, data tracing, and their practical application make it possible to freely process information such as written, digital, graphic, voice, photo, and video.

Computers control students' knowledge, test assignments, and their solution (key) make it possible for special objects to display answers (keywords) quickly, accurately, and correctly. The stages of the teacher's computer use in the teaching of special subjects and their content are expressed in Table 1.

Table 1.

№	Stages	Content
1.	Choosing topics	The content and essence of the special subject curriculum, textbook and educational and methodological manuals on veterinary directions of professional educational institutions are analyzed. The focus is on student appropriation
2	Setting the goals and objectives of teaching special subjects	Educational, educational and developmental goals of the use of computer technology are established. The opportunity is created for the individual work of the teacher with students.
3.	Formation of the content of special disciplines	Theoretical and practical educational materials that should be mastered by students are expressed through the means of computer technology.
4	The form of organization of teaching special disciplines, the choice of means of implementation	In accordance with the content of the topics, the form of organization of training, the method of implementation and tools are selected
5.	Development of a task system for teaching special subjects	Students have developed a system of tasks designed to form the skills of computer identification of acquired knowledge and skills.
6.	Determining the level of student achievement	The control method is selected depending on the degree of complexity of the content of the educational material. It is evaluated in accordance with established criteria, as well as norms. At the same time, tests, an interesting case and practical tasks are used.

1. The computer uses stages.

The topics that need to be covered, the continuity of acquired knowledge, as well as their analysis are easily and conveniently provided by a computer tool. Computers provide high-quality and fast control over the learning process, allowing teachers to distribute tasks for students. At these stages of teaching special subjects, I developed skills and experience in performing exercises, such as the knowledge of specialists in the field of veterinary medicine and cynology, thoughts about purposeful systematic performance of practical tasks, interest in veterinary medicine. The method of directing students to knowledge in the process of teaching special disciplines, the organization and implementation of the educational process develops their reading activity, self-control, independent learning. This method shows students the effectiveness of self-expression in contrast to traditional methods. Methods of teaching special subjects, first of all, orient the teacher to professional activities for the acquisition of knowledge by students. The essence of teaching methods is that students play an important role in accurately visualizing the knowledge they study in the field of natural sciences, understanding the content, and activating the activities of veterinary medicine. Methods of teaching special disciplines are selected depending on the content and function of information about veterinary medicine in the minds of students, multitasking reading, the formation of a specialty, the choice of a future life

path, the implementation of educational goals and objectives. Methods of teaching special subjects develop the quality of performance, preparation of the educational process, pedagogical processing of educational activities, introduction of materials from the textbook into a new form, assignments, tasks, tests, experiments. Everything depends on the knowledge, experience, and skill of the teacher, and methods affect educational facilities in their own way.

Methods of explanation and clarification are the thoughts of readers, whose questions lead them to assimilate their new understanding of veterinary medicine. The problematic nature of teaching special subjects is the difference in cognitive activity, creative search of students using search methods of expression, clarity and practice, and teaches the cultivation of the ability to achieve a full understanding of the content of the lesson and be able to solve it. At the same time, the teacher poses a problem and finds its solution together with the students. As a result, when solving problem situations, they are studied from different points of view and analyzed (Fig. 2).

A problematic situation differs from a problem in that it involves the reader in it, confronting phenomena, facts that require theoretical concepts, as well as external inconsistencies between phenomena, motivating him to seek to explain these inconsistencies, and this desire leads to active assimilation of knowledge. Understanding these processes allows students to present the problem independently (Fig. 3).

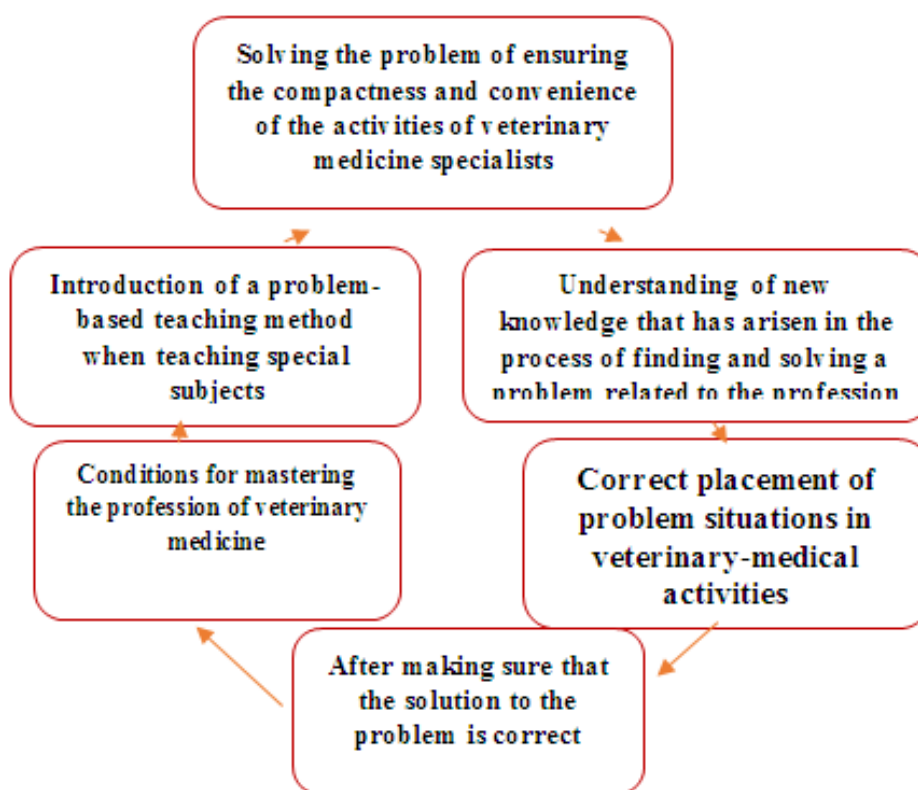


Figure 2. Solving problem situations.

¹ <https://azkurs.org/akt-va-talim-sifati-v2.html>

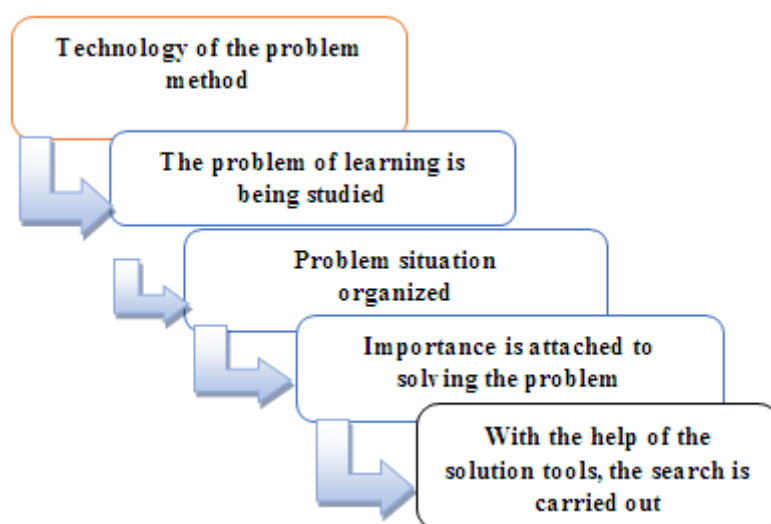


Figure 3. The mysterious teaching method

In the process of problem-based learning, methods of problem situations, tasks, working in pairs, working in a small group, business games, discussions, discussions are used, and this is aimed at analyzing the causes and consequences of problem situations in students and the formation of skills and qualifications to find their solutions, such as dividing students into groups, identifying and considering the reasons why, therefore, the problem method is one of the technologies that serves to highlight the main problem in the studied subject and ensure its independent solution by students. At the same time, the type and causes of the problem, manifestations, and ways to solve it are determined. I must say that any special subjects are a problem for the reader. Because special stories introduce the reader to a novelty that is still unknown.

Results and discussions. Problem-based learning develops the student's mental activity, awakens interest in learning everything. Helps to educate those who are understanding, striving for independent creativity. As a result of the introduction of these methods, students develop such qualities as work, reading and studying, observing life, including interest in the profession of a veterinarian, posing a question based on acquired knowledge and experience, solving it, independently thinking about the problem, concluding on it, working on themselves. At the same time, the teacher leads to the assimilation of such concepts as oral presentation of educational material, generalization, visual embodiment of information about veterinary medicine in the entire course or educational process, activation of students' thinking, proof of problems, systematization.

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