

USE OF SCIENTIFIC RESEARCH METHODS OF PEDAGOGICAL SCIENCE

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Annotation:

Any science has its own research methods. Through these methods, he enriches and updates his content. In life and in the theory of knowledge of the objective world, there are issues of what to teach and how to teach, who should be educated, and they are interrelated. learns with methods that are in accordance with its goals and tasks. In this article, thoughts and comments are made about the use of scientific research methods of pedagogy.

Keywords: pedagogy, scientific research, methods, interview method, experimental method, questionnaire method, test method.

Pedagogical scientific-research methods are more perfect, reasonable and correctly chosen, the updating and improvement of the content of education will be improved, and the science of pedagogy will be enriched. , methods of special examination and knowledge of the internal essence, communication and laws of the pedagogical process, which determine the principles, object and subjective factors of thorough scientific education.

In modern conditions, the following methods are used in conducting research in the pedagogical direction: Pedagogical observation method, Interview method, Questionnaire method, Interview method, Method of analyzing educational institution documents, Test method, Pedagogical analysis method, Method of studying children's creativity, pedagogical experience method, mathematical-statistical method.

Pedagogical observation method. In the process of its application, the state of the researched student is determined based on the study of the educational process of educational institutions, and the difference between the indicators obtained at the beginning and at the end of the experiment is obtained. is divided. Pedagogical observation is complex and has its own characteristics. The expected result can

be obtained if the observation is carried out on the basis of a clear goal, continuously, consistently and systematically. If the conducted pedagogical observation serves to improve the quality of education and the formation of the student's personality, the importance of this method will increase. It is important not to make mistakes when organizing pedagogical observation.

Interview method. This method helps to enrich the information obtained in the process of pedagogical observation, to give a correct assessment of the current situation, to create pedagogical conditions that allow to find a solution to the problem, and to attract the possibilities of experimental subjects to the solution of the problem. Interviews are conducted in individual, group and public form as appropriate. During the interview process, it is important to achieve the full manifestation of the respondents' capabilities.

Questionnaire method (French - check). Using this method, evidence collected during pedagogical observation and conversation is enriched. The questionnaire method is also based on the organization of communication with respondents based on structured questions. Answers to questionnaire questions, in most cases, are obtained in writing.

Test method. This method serves to determine the level of theoretical knowledge and practical skills and qualifications acquired by respondents in a specific field of science or activity (including professional activity). When using the test method, it is appropriate to pay attention to the knowledge, skills and qualifications that need to be determined. The advantage of this method is characterized by the possibility of analyzing respondents' answers according to specific criteria and saving time. However, the method is not without some shortcomings. For example, in most cases, answers are obtained in writing, and the respondent must choose one of the proposed answer options. Therefore, the respondent does not have the opportunity to express his opinion in detail.

Pedagogical analysis method. The purpose of using this method in the course of conducting research is to determine the level of study of the selected problem in philosophical, psychological and pedagogical directions, and serves to substantiate the theoretical validity of the idea put forward by the researcher. A method of studying children's creativity. This method is used in order to determine the level of students' abilities and skills in certain areas, as well as knowledge, skills and qualifications in certain fields of science. Creative works

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of students - diaries, essays, written works, abstracts, reports serve as an important tool in its application. The advantage of the method is that it creates a basis for seeing, evaluating and developing the individual potential of a particular student.

In conclusion, pedagogical research methods improve the accuracy of research tasks aimed at increasing the teacher's pedagogical activity, taking into account the age characteristics of students, the laws of children's psychology, and increase its level.

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