Formation Of Readiness of Future Teachers-Psychologists for The Organization of Psychodiagnostic Activity

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Annotation.
The article deals with the basics of psychological and pedagogical diagnostics at the present stage of the educational process. The role and significance of diagnostics in the professional activity of a higher school teacher within the framework of the socio-pedagogical process is determined. The article reveals the specifics of the implementation of the diagnostic activity of the teacher; the components of the psycho diagnostic culture that contribute to the effective use of psychological and pedagogical methods in the educational process.

Further, the specific features of the implementation of psycho diagnostic activity of specialists in educational practice are considered. Based on the results of an empirical study, it is shown how the subject, conditions and means of psycho diagnostics are reflected in the minds of teachers and psychologists in the course of solving psycho diagnostic problems. The internal conditions for the formation of psycho diagnostic competence of educational specialists are revealed. In addition, the article should note the content basis of psychological and pedagogical diagnostics in the professional activity of a teacher. The role of psychological and pedagogical diagnostics in the assessment and control of practical results, the implementation of educational programs is noted.

Keywords
Diagnostic Activity, Psychological and Pedagogical Diagnostics, Professional Activity, Psycho diagnostic Culture Of The Teacher, Stages of Psycho diagnostic Activity.

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Introduction

The quality of education directly depends on the professional training and educational activities of teachers, especially in the field of vocational education. Teachers should be able to evaluate the results of their activities to develop the personal and educational potential of students, and for this it is necessary to possess psychological and pedagogical methods of diagnosis. The use of psychological and pedagogical diagnostics allows teachers to consciously improve and create new technologies of training and education, to improve themselves. The creation of a certification and qualification system will also require the knowledge and abilities of organizers and teachers to develop new and adequately apply well-known psychological and pedagogical methods for diagnosing the development of personality and the level of readiness of students. Knowledge of the methods of psychological and pedagogical diagnostics will allow creating a transparent and understandable system for the recognition of educational results for the general scientific and pedagogical community (Bicheva, 2018). On the part of public practice, the relevance of considering the problems of psychological and pedagogical diagnostics is determined by the following factors:

1) the task of further improving pedagogical work in the current conditions of socio-economic development of society, in particular the need to consider the psychological characteristics of students and their groups in the educational process, significantly improving their study;
2) high requirements for the quality of psychological training of teachers and its significant shortcomings, including the weak connection of training with practice, which is manifested in the academic nature of the psychology courses taught, their insufficient orientation to solving practical problems of the educational process;
3) the introduction of the post of psychologist in educational institutions and the opening in a number of universities and pedagogical institutes of the country of special faculties and departments that train psychologists, which requires appropriate scientific and methodological equipment.

The purpose of the article is to reveal and theoretically substantiate the main directions of the diagnostic activity of the teacher of professional training in the system of social and educational relations.

Summary Of the Main Material of The Article.

In any branch of professional activity, a special role belongs to the diagnosis of the condition and quality of the products and the production process. Currently, it is difficult to imagine production, scientific and educational processes without preliminary diagnostics (Bissenbayeva, 2019). Psychological and pedagogical diagnostics is a rather complex and relatively new field of professional activity of teachers, which integrates diagnostic approaches that have developed both in psychology and in pedagogy. It requires appropriate psychological and pedagogical competence, professional skills, as it affects important characteristics of participants in the pedagogical process—students and teachers, their behavior, activities, emotional response, etc. (Massyrova, 2018, Siddiqi et al., 2021).

Psychological and pedagogical diagnostics is a relatively new scientific and practical field of activity, which has not yet been fully understood. It is no accident that there is so little literature devoted to the disclosure of the features of this type of diagnostic activity. Most scientific works are devoted to either psychological or pedagogical diagnostics. Psychological and pedagogical diagnostics can be defined as an activity aimed at identifying the current state and trends of individual and personal development of the subjects of pedagogical interaction, aimed at managing the quality of the educational process (Bissenbayeva, 2020; Shabbir et al., 2020).

Research Methods.

Psychological and pedagogical diagnostics is one of the components of the pedagogical process, which is an evaluation practice aimed at studying the individual psychological
characteristics of the student and the socio-psychological characteristics of the group in order to optimize the educational process.

Diagnostic activity in the work of a teacher comes to the fore when first meeting with a group or a new student, when analyzing and evaluating intermediate results by stages of work (summing up the results of a separate event, semester, year results), in problematic cases (student difficulty, offense, deviant behavior) to determine the optimal forms of pedagogical assistance to the student (Vaganova, 2018).

A typical feature for diagnostics in education is pedagogical activity aimed at improving the student's personality, his individual and personal development and subject formation. A distinctive feature of diagnostics is its gnostic (recognition) character. Based on these considerations, it is possible to formulate a definition of the diagnostic activity of the teacher (Bystrova, 2017).

The diagnostic activity of a teacher is an integral part of his professional activity, aimed at identifying the actual state, specific features, changes in the participants and in the process of socio-pedagogical interaction itself, as well as at predicting the prospects for these changes. The implementation of psychological and pedagogical diagnostics in practice requires a certain psychodiagnostic culture from the teacher, which includes the following components:

1. Psychological literacy, which implies knowledge of general, age-related and pedagogical psychology, understanding of the psychological realities that serve as the object of diagnostic research, as well as the objectivity of the teacher when conducting testing and reporting the results. It is unacceptable to put pressure on the subject during the testing process, to misinterpret the results, to report information that can hinder his development or injure his psyche. Finally, for teachers — practical psychologists, the commandment of doctors "Do no harm" is relevant.

2. The teacher's knowledge of diagnostic tools, understanding of the principles of its use. The teacher must learn such concepts as validity, reliability and accuracy related to the main diagnostic tool — the test.

3. The teacher, as well as the practical psychologist, should strive to create a so-called "client situation" and not allow the diagnostic study to be carried out in a "situation of expertise". The situation of examination occurs when the subjects are forced to be examined in various ways, for example, when a teacher or administration offers students to undergo a survey, the results of which will somehow affect their lives.

The client's situation is characterized by the desire of the students themselves to learn about their personal characteristics, inclinations or other personal qualities. The teacher can himself arouse the students' interest in self-knowledge. In this case, the information received should be known only to the teacher and the subject (Lapshova, 2017).

4. The teacher should be aware that testing or some other method of diagnosis, for all their validity and reliability, cannot be a panacea for all ills. This is just a method of diagnosis, and much more depends on the correct interpretation of the results, correlation with other vital indicators, the results of the student's activities.

5. Diagnostic methods that meet the principles of efficiency and correctness should be selected. The principle of efficiency implies the selection of such methods that, with a minimum of time and effort spent on the examination procedure and on the processing and interpretation of the results, provide the maximum of useful information.

The principle of correction is the ability to use the results of the survey when working with students in order to provide them with psychological assistance, the development and formation of their individual mental processes.

6. A competent teacher should know the elements of mathematical statistics, which has become an integral part of the diagnostic examination procedure. Any research conducted by a teacher as part of his creative growth should currently contain the results of the diagnosis, their interpretation and analysis for reliability.

Meanwhile, the implementation of psycho diagnostic activity in education is due to a number of features that emphasize its specificity in this practical field. The most important difference is that if in the practice of psychological counseling, the decision to participate in the psycho diagnostic process and implement the results of the diagnosis is made by the person who applied for psychological help, then for the field of education this is the exception rather than the rule. Thus, we can talk about the arbitrariness of the occurrence of psycho diagnostic situations in the educational process. The randomness of the occurrence of psycho diagnostic situations is caused by the following circumstances (Markova, 2017; Arshad et al., 2020).
1. In the field of education, the main participants in the psycho diagnostic process are usually students. Parents, teachers, and administration are more often initiators of diagnostic procedures than objects of diagnostic practice. The age factor and the role position of students determine the obligation of their participation with the consent of parents, i.e., the lack of freedom of choice "when" entering a psycho diagnostic situation.

2. In educational practice, the psycho diagnostic situation does not arise spontaneously. Its appearance is determined by the demand for the results of psycho diagnostics, and the content is related to the tasks that the education specialist faces and require their solution. Thus, improving the effectiveness of the educational process implies the need for monitoring, determining the level of readiness (training) of students, assessing the quality of pedagogical activity, i.e., creating psycho diagnostic situations for attesting subjects of the educational process. Profiling of students, identification of psychological fitness and readiness for learning are associated with the organization of psychological selection. Solving the problems of matching the content of the educational process to the individual and age capabilities of students, determining the safety of the psychological climate of the educational environment involves conducting group and mass psychological examinations, many of which are planned and are carried out by order of the educational authorities. The situation of psychological counseling is purely individual in educational practice and, unlike the situation of certification, monitoring of psychological examination or selection, is a voluntary, recommendatory procedure. If we take into account that in a modern educational institution, at best, there are up to 400 students per psychologist, then its lower prevalence becomes clear. It is for this reason that psycho diagnostic activity in the field of education in the minds of most people is associated not with the situation of counseling, but with the procedures of examination, selection, certification and monitoring. Thus, the general feature of psycho diagnostic activity in the field of education is the dominance of social control, which determines the content and types of psycho diagnostic situations. Most of them involve the lack of freedom of expression when making a decision to participate in the psycho diagnostic process or when implementing the results of psycho diagnostics in educational practice (Katz, 2015).

The dominance of social control not only reflects the specifics of emerging psycho diagnostic situations, but also changes the status of psycho diagnostic information and psycho diagnostic decisions formulated on its basis. Confidentiality of information is relative, since it is used in the work of the teacher, the administration, is brought to the parents, is taken into account in the planning of the development strategy of the educational institution, etc. In educational practice, such "disclosure" has a fixed right, making the results of the psycho diagnostic activity of the educational specialist the property of the educational institution and the organizers of the psycho diagnostic process, not the individual (the object of diagnosis) (Massyrova, 2018).

Another feature of psycho diagnostic activity in education is its polysubjectivity. The initiation of a psycho diagnostic situation, the implementation of a psycho diagnostic process, the adoption and execution of a psycho diagnostic decision most often has not individual, but shared responsibility, when the organization of psycho diagnostic activities and the implementation of the results of psycho diagnostics are carried out by different subjects of the educational process. Shared responsibility is characterized by the distribution of professional activity of subjects according to the forms of organization of the psycho diagnostic process (Vasbiyeva, 2021).

The initial form of organization of the psycho diagnostic process is a request that reflects the need of educational practice (teachers, students, parents) in individual psychological knowledge. The basis of the request is a situation that is fixed at the level of the subject's consciousness as a problem. The pedagogical situation becomes problematic when contradictions are found in it (usually between the requirements of the educational process and its success, between behavioral characteristics and the norms (rules) established in the educational institution) and generates a process of thinking aimed at removing them. It is for this reason that in almost every case, a teacher or psychologist tries to find out the reasons for the problems that have arisen in the training and upbringing of students, formulating the available data in the form of concrete conclusions with the designation of the existing contradiction, for example: "lags behind in the assimilation of educational content", "undisciplined", "rude, does not obey school requirements" (Kaji-Beltran, 2014).

The next step is to transform the problem situation into a diagnostic task. In order for a problem situation to be transformed into a diagnostic task, it must be supplemented with conditions that
convey its uniqueness, and a question that needs to be answered. Thus, the problem situation determines the subsequent forms of activity of the specialist, such as plans, programs, models of psycho diagnostic activity that organize the process of making a psycho diagnostic decision and transform the problem situation into a psycho diagnostic task (Klimova, 2019).

The process of formulating the conditions of a psycho diagnostic task is directly related to taking into account the peculiarities of the functioning of the object of psycho diagnostics in these educational conditions. It includes:

a) general knowledge about the mental functioning of the subjects of the educational process;
b) knowledge about the content, goals and means of training, education and development;
c) Understanding of the specifics of a particular educational situation, both at the level of subject activity and interpersonal interaction of subjects;
d) knowledge of the individual identity of the participants in the diagnostic situation;
e) understanding the value-semantic basis of their behavior and activities.

Thus, this process involves the integration of psychological and pedagogical knowledge of the theoretical and practical plan and indicates the composite nature of the conditions of the psycho diagnostic task: part 1 — a priori and part 2-empirical. The a priori component is the knowledge that a specialist has before getting acquainted with a particular problem. They contain invariant (stable) content that reveals the general laws of a particular psychological phenomenon or pedagogical phenomenon. The empirical component includes data obtained during the observation of the object of psycho diagnostics, conducting psychological examinations that characterize the state of a person at the phenomenological level and reflect the specific characteristics of his personality. The empirical component of the conditions of the psycho diagnostic task can change significantly during the diagnostic search, being updated with new information and refined (Tursunai, 2019).

The psychological and pedagogical phenomenology of the problems of the subjects of the educational process shows that none of the educational specialists is able to individually solve not only the entire range of psycho diagnostic problems arising in the educational process, but also to organize the psycho diagnostic process from the moment of formulating the request to the implementation of diagnostic solutions in educational practice. Psycho diagnostic activity in education requires the cooperation of the activity of participants in psycho diagnostic interaction.

In this case, there is a transformation of shared responsibility into joint responsibility, which is a condition for developing an adequate diagnostic solution that has value in the educational process. Joint responsibility determines the conditions of psycho diagnostic activity not in the form of a division of labor, but in the form of consciously organized cooperation, when each of the parties is interested not only in obtaining a psycho diagnostic solution and formulating a diagnosis. This means that inclusion in a psycho diagnostic situation cannot be limited to the transfer of responsibilities for overcoming any problems from one education specialist to another, for example: "I can't cope with Ivanov's behavior, let the psychologist decide what to do with him" or "I identified the level of anxiety of students in this class and informed the teacher about it, now it's his problem, how he will take into account my recommendations in his work", etc. Participants in the psycho diagnostic process are a team that solves a common problem. Only in this case can we talk about the optimal use of the results of psycho diagnostic activity in educational practice (Aitenova, 2020).

Result

Taking into account the application of the components of the psycho diagnostic culture of the teacher in practice, it should be noted the content basis of psychological and pedagogical diagnostics in the professional activity of the teacher. The content of the diagnostic activity of the teacher includes the following stages:

1. Acceptance of the order, setting the task and choosing the methods:
   * Familiarization with the complex of objective and subjective indicators about the subject, during which the diagnostic task is formed.
   * Several techniques are used - a battery of techniques.
   * The principle of selection of methods - maximum reliability with minimum costs.

2. Collecting object data:
   * Conditions: special room; elimination of interference and extraneous interference; arrangement of the test material in the correct order.
* Establishing contact with the subject. Friendly relations with the subject. Motivation of the subject for the examination.
* The personality of the diagnostician. The success of the examination is influenced by: appearance, character, manner of behavior and speech, mood, level of professional knowledge and possession of the diagnostic method.

3. Data processing and interpretation two approaches to evaluating results •
* Clinical - relies on the analysis of qualitative indicators, seeking to cover them in their entirety. It is focused on subjective professional experience, the intuition of the diagnostician, very close to the judgments of "common sense".
* Statistical - based on objective, formalized criteria. The role of subjective judgment is minimized.

4. Construction of a psychological conclusion (psychological diagnosis) - a psychological diagnosis is established on the basis of the obtained data on the mental activity and personal sphere of the subject, the analysis of various social information about him.

Conclusions. Psychological and pedagogical diagnostics is the most important part of the professional activity of a teacher in the educational process. With the general meaning of this concept, it is possible to determine the directions of this process - the analysis, selection and building of the student's educational route.

For the student, psychological and pedagogical diagnostics performs the function of psychological and pedagogical support in the educational process, providing an opportunity to independently choose and build their own relationships and educational path. For a teacher in his professional and pedagogical activity, psychological and pedagogical diagnostics is aimed at identifying the difficulties of students in the system of social and educational relations; difficulties in the subject area of the learning process; providing timely assistance in overcoming various situations of the educational process.

Psychological and pedagogical diagnostics also plays a significant role in the assessment and control of practical results, the implementation of educational programs. It allows you to objectively evaluate, analyze, and compare various educational results of students, taking into account the specifics of various pedagogical technologies. The special value of psychological and pedagogical diagnostics also lies in the fact that it is aimed at studying and investigating changes in the student's personality; at finding comfortable and favorable conditions for the formation of his personality as a subject of the educational process (Kemmis, 2014)

**Conclusion**

Diagnostics should cover the experience, prospects, opportunities, abilities of the student, correctly orient him in the conditions of the modern educational process. Therefore, a serious indicator of the successful professional activity of a teacher is the ability and ability to carry out diagnostic activities in the educational process, including both the study of the inner world of the student and the external circumstances of the students' lives.

The use of psychological and pedagogical diagnostics in the professional activity of a teacher involves the systematization of all stages of the diagnostic process, taking into account the specific features of the educational process, the requirements and conditions for the behavior of each stage of diagnosis, and the professionalism of the teacher.

**References**


Irina I. Klimova, et al, “Students’ communicative competence in the context of intercultural business communication”, XLinguae, Volume 12 Issue 1, January 2019, ISSN 1337-8384, eISSN 2453-711X

