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**Research Article** 

# THE METHODOLOGY OF HOW TO IDENTIFY AND WORK WITH GIFTED STUDENTS

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# ABSTRACT



Today pedagogical and psychological support and cooperation with gifted children is a unique aspect of the pedagogical process. A gifted student is a child who stands out in this or that activity with his or her bright, open, and sometimes unparalleled achievements. This article provides an overview on the methodology how to identify gifted students according to the work plan recommended for teachers.

## Keywords

Educational process, pedagogical conditions, differentiated knowledge, differentiated learner, educational effectiveness, career choice, free communication, specialized education, student personality, multifaceted activity, pedagogical-psychological cooperation, educational process, developmental learning process, special intelligence, creative abilities, intellectual coefficient (IQ), modernized education

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### Introduction

The use of individual education in teaching is especially important in increasing its effectiveness. The individual characteristics of the student allow them to present knowledge according to their interests. This will help to create a favorable pedagogical environment for students to make career choices and support their choices. At the same time, it provides students with independent, informed choices. As a result, students will have the opportunity to design their own personal life paths, developing research, design, free communication and choice skills. With the help of differentiated knowledge, they try to determine their individual career direction. Pedagogical efforts to differentiate school education into professional disciplines based on stratification make it possible to structure specialized education as a person-centered learning process. This is an effective way to individualize the learning process. As a result, each student's individual strengths are realized. Any specialized educational process is primarily a student-centered, developmental learning model.

If the learning process is specialized and structured on a multivariate basis, it will be the

basis for the development of multidisciplinary activities in students. It means having an individual career path and development. In this educational process, pedagogical-psychological cooperation with the student is carried out between psychologists and students, in which parents and teachers should be involved as subjects of the educational process. One of the most important tasks of a person-centered developmental education process is to improve the professional skills of teachers. In this process, it is important to provide them with psychological knowledge. Because the teacher needs to work with students with different interests and aspirations in a timely manner, to communicate with them in a businesslike manner. Because in the modern pedagogical process there is a need to work with students with different developmental standards. It takes into account: statistical average, socio-cultural, individual and personal indicators.

Today, in the educational process, in addition to teachers in socio-cultural situations, parents are increasingly paying attention to the education of students.

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Our observations show that the levels and forms of teacher interaction with students are evolving. Pedagogical and psychological support and cooperation with gifted children is a unique aspect of the pedagogical process.

A gifted student is a child who stands out in this or that activity with his or her bright, open, and sometimes unparalleled achievements. Of course, the question arises as to what achievements are being talked about. In special literature, gifted students are divided into several categories:

- high scores on special intelligence tests (intellectual ability);
- Students with high creative abilities (creative talent);
- Children who have achieved success in a field. type of activity (young musicians, artists, mathematicians, chess players, etc.), children in this category are often called talented;

Bolalar Children who do well in school (academic ability).

Intellectual ability is usually determined by special tests in the form of IQ. People with a high level of intelligence do their work with great taste and wisdom, and are famous for their scientific discoveries. There are two different, non-

contradictory approaches to creative abilities. In the first approach, creativity is considered to be an ability, while in the second approach, creativity is seen as a personality trait and therefore manifests itself at any age, in any profession. Those with academic ability are more likely to achieve results in education. They are able to easily master a wide range of theoretical knowledge, have a unique way of thinking and a strong memory. Special standardized knowledge tests are usually used to determine academic ability.

Identifying gifted children is an ongoing process that involves an in-depth analysis of personal development. There are a number of psychological and pedagogical requirements:

- Complex comprehensive assessment of the child's behavior and activities, using as much of the child's abilities and various sources of information as possible;
- duration of the identification process (monitoring of the child's behavior in different situations):
- analysis of the child's behavior in the context of activities that correspond to their interests and abilities (involvement in specially organized activities);

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- expert assessment of the child's activities (drawings, poems, technical models, methods of solving mathematical problems), including the invitation of highly qualified experts in the field (mathematicians, philologists, chess players and engineers).
- use of multi-stage and repetitive methods of diagnosis, taking into account the individuality of each child and using different psychodiagnostic techniques;
- carry out diagnostic work in real life and activities (observation, interviews, expert assessment of teachers and parents). In identifying gifted children, it is necessary to differentiate (stratify) the level development of talent at this age, the characteristics of the implementation of talent different activities. the potential in opportunities for child development.
- each science teacher needs to address the following challenges in order to support and educate gifted students:
- development of individual, differentiated areas of study for each student;
- develop students' self-assessment skills;
- to protect and strengthen the mental and physical health and intellectual potential of gifted students in the educational process;

- Improving the pedagogical and psychological knowledge of teachers and their parents working with gifted children.
- In modernized education system, pedagogical-psychological cooperation should be an integral part of the personcentered learning process.
- Identification of gifted and talented young people, directing their abilities and developing their intellectual potential;
- Involve students in science and research:
- create opportunities for students to demonstrate unique abilities;
- students' ability increase to learn independently and work on themselves;
- Ensuring the active participation of talented students in national and international science **Olympiads** competitions. national and conferences, competitions and conferences;
- Involve students in research and development, creation of models and mockups of equipment, devices, machines and mechanisms:
- to help students acquire comprehensive and in-depth knowledge that is differentiated according to the scope of the curriculum and focused on a particular specialty;

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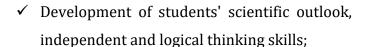








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- ✓ Develop students' initiative and organizational skills;
- ✓ To teach students to work independently with textbooks and additional literature in the library and to analyze them and draw conclusions;
- ✓ Encourage students to express themselves freely in public, to prove or disprove evidence;
- ✓ To strengthen students' love for national and universal values, to bring them up as spiritual, moral and harmonious individuals;

# Forming a bank and monitoring of gifted students:

Goals and objectives of working with gifted children.

**Objective:** to create favorable conditions for the development of children's abilities. to systematize the existing abilities in them.

#### **Functions:**

- 1. Identification of gifted children through psychological and pedagogical methods.
- 2. Determining (stratifying) the abilities of children according to their individual characteristics during the lesson.

- 3. Selection of measures to develop children's abilities and thinking skills in the classroom and in extracurricular activities.
- 4. Organize extracurricular creative activities for students.

#### Principles of working with gifted children:

- 1. Individualization of education.
- The principle of development of education.
- 3. The principle of creating favorable conditions for activities.
- opportunities for students 4. Create demonstrate their abilities in action.
- 5. Effective use of opportunities for external activities (works) in the classroom.
- 6. The principle of development of education.

# Participants in the implementation of this work.

- 1. School administration (principal and his deputies).
- 2. Members of a subgroup of high-ranking teachers.
- 3. Members of the school pedagogical council.
- 4. Science teachers.
- 5. Class leaders.
- 6. Heads of circles and sections.

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#### Work plan with gifted children

Forms	Duration
Science Olympiads	1 time per year
High School Student Success Conference	1 time per year
Science Weeks	According to the annual plan
Creative reports of teachers on work with gifted children	March pedagogical council
School internal control	According to the annual plan
Creative reports of sports sections and clubs	1 time per year
Creative competitions, exhibitions	1 time per year

#### **Recommendations for teachers:**

- Determining children's talents in their subject;
- Development of thematic plans and programs for working with gifted children, including the level of complexity, creativity, research, material, problems, assignments in science;
- Organizational work on individual work with gifted children;
- Preparing students for school and district Olympiads, competitions, quizzes, conferences;

- Report to the pedagogical council on the work with gifted children during the year;
- Creating a card index on the level of complexity of materials in classrooms;
- Advise parents on science to develop children's skills.

#### Recommendations for class leaders.

- Identification of general abilities of children;
- In the class teacher's notebook (diary) the results of the diagnosis made by science teachers, heads of clubs, parents should be

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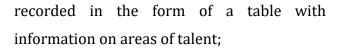












Planning educational activities in the classroom, creating opportunities for gifted children to demonstrate their abilities.

One of the most important conditions for ensuring the effectiveness of research in the field of pedagogy is the development of special methods. The organization of experimental work on the basis of a special methodology not only ensured their effectiveness, but also laid the foundation for the success of the research.

### CONCLUSION

To summarize, we need to create conditions for the early identification of gifted and talented youth and the realization of their intellectual potential. It is necessary to involve students in scientific research in each educational institution, to develop their creative potential independently, to pay more attention to the problems of individual work in collaboration with talented teachers and talented students. Talented people need an educated and experienced teacher because they do not have the skills and abilities to work independently. On the one hand, we need to identify and support students with a tendency to

scientific research from experienced teachers and develop their intellectual and creative potential, on the other hand, we acquaint gifted modern research methods. students with participation in Olympiads, competitions, interest in creative research, scientific outlook, diligence. Thus, it is possible to form an interest of gifted students in academic research work and in-depth study of various disciplines.

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