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# IMPROVING THE METHODOLOGY FOR DEVELOPING INDEPENDENT WORK SKILLS OF ACADEMIC LYCEUM STUDENTS

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### Abstract

The article examines the issues of improving the methodology for developing independent work skills of academic lyceum students. The pedagogical and psychological essence of independent work skills, their role in the educational process and their importance in increasing the cognitive activity of students are highlighted. The ways of developing independent work skills based on the use of modern pedagogical technologies, interactive methods and information and communication tools are analyzed.

**Keywords:** Academic lyceum, independent work, educational methodology, interactive methods, pedagogical technologies, motivation, educational effectiveness.

### Introduction

In the modern education system, it is important to increase the activity of students, develop their independent thinking and form them as mature individuals who can independently solve life problems. In particular, the formation of independent work skills in academic lyceum students is one of the important factors in preparing for higher education.

Independent work skills determine the student's level of knowledge acquisition, critical and creative thinking, sense of responsibility and ability to self-

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development. Therefore, this article studies the issues of improving the methodology for developing independent work skills in academic lyceum students from a scientific, theoretical and practical perspective.

The formation and development of students' independent work skills in the educational process is one of the important tasks of modern pedagogy. The ability to work independently represents the student's ability to master knowledge without the guidance of a teacher or with minimal assistance, to plan their activities, to apply knowledge in practice, and to exercise self-control.

In pedagogical literature, the concept of "independent work" is interpreted as the process of a student completing tasks organized on the basis of a specific goal and given by the teacher, relying on their own knowledge and skills. Psychologically, the ability to work independently is realized with the active participation of the student's cognitive processes - attention, memory, thinking, and imagination. Developing independent work skills is of particular importance for students of academic lyceum age (16–18 years old). During this period, the intellectual potential of the individual, a sense of responsibility, and the desire to express themselves increase. Therefore, education focused on independent work serves the personal development of students.

	ability to set goals and plan activities;
	independent search and analysis of information;
	express one's opinion in written and oral form;
	evaluate one's own performance and work on mistakes.

**Table 1. Key components of independent work skills**

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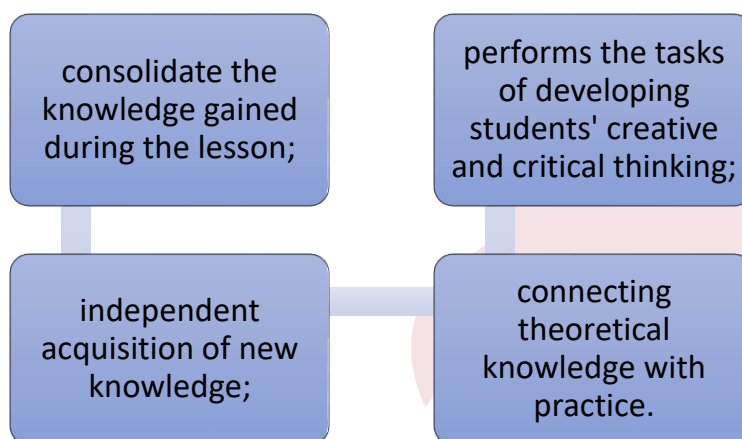
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The educational system of academic lyceums is aimed at ensuring the preparation of students for higher education, and the share of independent work in it is of great importance. Independent work helps students to deeply and consciously master knowledge, to understand the interrelationships of disciplines.



**Table-2. Independent work during the educational process**

Thus, independent work in Academic Lyceums is organized in the following forms:

- homework;
- writing abstracts and essays;
- preparing presentations;
- project work;
- solving tests and problem-solving.

These works teach students to work with sources of knowledge, use scientific literature, and select information. At the same time, independent work develops students' skills in working on themselves.

The effective development of independent work skills is based on certain didactic principles. These principles include: consistency and systematicity; conscious and active learning; individual approach; unity of theory and practice; encouragement and motivation. Independent work should be organized taking

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into account the age and individual characteristics of students. The level of complexity of tasks should increase gradually, encouraging students to overcome difficulties. Also, the following pedagogical conditions are important for the development of independent work skills: methodological training and pedagogical skills of the teacher; the use of interactive and innovative teaching methods; the introduction of information and communication technologies into the educational process; the creation of an effective system for monitoring and evaluating students' independent work. Thus, the development of independent work skills in the academic lyceum educational process is of important pedagogical importance in increasing the intellectual potential of students and successfully preparing them for higher education in the future.

In the modern educational process, the effective use of innovative pedagogical technologies and interactive methods is of great importance in developing students' independent work skills. These methods increase the activity of students in the process of acquiring knowledge, encourage them to independently search, think and draw conclusions. One of the widely used methods in developing independent work skills is problem-based learning. In the process of problem-based learning, students are presented with problem situations and are required to solve them independently. This develops students' critical thinking and creative approach. The project-based learning method is also effective in forming independent work skills. During project work, students independently collect information on a specific topic, analyze it and prepare a final product (presentation, report, project). This process develops students' sense of responsibility and teamwork skills. Interactive methods such as “Brainstorming”, “Cluster”, “INSERT”, “Fish Skeleton” increase the activity of students and help them think independently.

The use of information and communication technologies, in particular electronic textbooks, online platforms and digital resources, allows for more effective organization of independent learning. For example, within the framework of this

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study, experimental work was organized in an academic lyceum. The main goal of the experimental work was to determine the effectiveness of the methodology aimed at developing students' independent work skills. The experimental work was carried out in three stages:

Diagnostic stage - the initial state of students' independent work skills was determined. At this stage, questionnaires, tests, and observation methods were used.

Experimental stage - independent work was systematically organized based on the developed methodology. Students were given problem assignments, project work and creative tasks.

Control stage - at the end of the experiment, changes in students' independent work skills were analyzed and compared with the initial results.

The results of the experiment showed that the students in the experimental group significantly improved their skills in independent thinking, information analysis and self-evaluation.

Based on the results of the research and experimental work, the following methodological recommendations were developed to improve the methodology for developing independent work skills of academic lyceum students:

- ✓ organizing independent work in accordance with the level of knowledge and interests of students;
- ✓ gradually increasing the level of complexity of tasks;
- ✓ extensive use of digital educational resources and online platforms;
- ✓ using motivating and transparent criteria for assessing the results of independent work;
- ✓ forming self-control and assessment skills in students.

Thus, these recommendations serve to effectively develop independent work skills in the academic lyceum educational process and are of great importance in improving the quality of education.



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### Conclusion

The article analyzes the issues of improving the methodology for developing independent work skills of academic lyceum students from a theoretical and practical perspective. During the study, the pedagogical and psychological essence of independent work skills, their role in the academic lyceum education system, and effective ways of their development were scientifically elucidated. Thus, the concept of independent work skills, its pedagogical significance and importance for academic lyceum students, the role of independent work in the formation of students' conscious assimilation of knowledge, critical and creative thinking, responsibility and self-control skills, and didactic principles and pedagogical conditions influencing the development of independent work skills were identified. The effectiveness of the use of modern pedagogical technologies, interactive methods and information and communication technologies was analyzed on the basis of experimental work. The results of the pilot test showed a significant increase in students' skills in independent thinking, information analysis, and practical application of knowledge. Based on the results of the research, methodological recommendations were developed to improve the methodology for developing independent work skills in the academic lyceum educational process. These recommendations are aimed at the systematic and phased organization of independent work, taking into account the individual characteristics of students, the effective use of digital educational resources and the introduction of incentive mechanisms for assessment.

In conclusion, the development of independent work skills in academic lyceum students is of significant pedagogical importance in improving the quality of education, enhancing the intellectual potential of students, and successfully preparing them for higher education. The theoretical conclusions and practical recommendations put forward in the article are recommended for use in educational practice.

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