

THEORETICAL FOUNDATIONS OF PROJECT-BASED WORK

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Abstract

Project-based work is a modern approach aimed at active participation of students in the educational process, development of their creative thinking and practical skills. This approach allows students to put their knowledge into practice, and also makes the learning process more interesting and effective. It is necessary to understand the theoretical foundations of project-based work, to understand its importance in the educational process, and to consider the possibilities of its practical application.

Keywords: Project-based learning, theory, group discussions, skills, teaching methods, knowledge, practice.

Introduction

One of the main theoretical foundations of project-based work is the principle of Constructivism. Constructivism emphasizes the process of creating new knowledge by correlating students' knowledge and experiences. This approach requires students to independently gain knowledge, solve problems, and use their own experiences. In project-based work, students develop a project on a topic of their choice, which allows them to freely express their thoughts, develop a creative approach and improve their group work skills. The second theoretical basis of project-based work is the principle of active teaching. Active teaching encourages students to actively participate in the teaching process. This approach directs students to apply their knowledge in practice and share their experiences rather than only passively accepting information. In project-based work, students are actively involved in creating their own projects, conducting research, and presenting results. This process allows them to apply their knowledge in practice, solve problems and develop creative thinking skills.

MATERIALS AND METHODS

The third theoretical basis of the project-based work is the principle of interaction and cooperation. Students must work cooperatively, learn from each other, and share their experiences. This approach helps to foster social interaction among students, improve group work skills, and gain new knowledge through mutual exchange of ideas. In project-based work, students enhance interaction by sharing ideas, solving problems together, and working together on the project. The theoretical basis of the project-based work helps to make the learning process of students more efficient and interesting. This approach allows students to freely express themselves, develop creative thinking and problem-solving skills. Project-based work increases the activity of students in the educational process, helps to apply their knowledge in



practice and develops mutual cooperation. In addition, project-based work allows students to choose their own projects to suit their interests and needs. This process helps students to apply their knowledge in practice, gain new experiences and develop themselves. Students test their abilities in the process of working on their projects, learn new skills and expand their knowledge. The implementation of project-based work increases student motivation. Students engage in topics of interest in the process of working on their projects, which increases their interest in reading. Project-based work also provides opportunities for students to self-evaluate and independently verify their knowledge. This process increases students' confidence in their knowledge and encourages them to read more actively.[1]

RESULTS AND DISCUSSIONS

The use of project-based work in the educational process also allows teachers to test new pedagogical approaches. Through project-based work, teachers can plan classes, apply new techniques and tools to suit students' interests and needs. This process also contributes to the professional development of teachers, as they will be able to share their experiences and learn new approaches. The theoretical basis of the project-based work helps to make the educational process more effective and interesting. This approach allows students to apply their knowledge in practice, develop creative thinking and problem-solving skills. Project-based work increases the activity of students, expands their knowledge and develops mutual cooperation. This process allows students to create projects to suit their interests and needs, as well as increase their motivation and increase their interest in reading.[2]

Project-based work is important in the development of students' skills in the educational process. This method gives students the opportunity to apply theoretical knowledge in practice, solve problems and work effectively in a team. Through project-based work, students develop many skills to help them become successful in their future educational and professional activities. First of all, project-based work plays an important role in the development of creative thinking skills. Students improve their creative thinking skills by developing new ideas, solving problems, and applying creative approaches to the implementation of their projects. They seek new ways to implement their ideas and discover their creative potential in the process. Creative thinking skills are important not only in the educational process, but also in future professional activities. Students contribute to their personal and professional development through creative thinking. Also, project-based work will greatly help develop problem-solving skills. Students test different strategies in the process of identifying, analyzing and solving real-life problems. In the process, they learn the skills of looking at problems from different points of view, developing alternative solutions and choosing the most effective option. Problem-solving skills help students to be successful in different areas in the future. They also develop logical thinking and analysis skills in the problem-solving process. Research skills are also important in project-based work. Students improve their scientific research skills by collecting, researching, and analyzing information for their projects. They study a scientific approach in the process of searching for information from various sources, analyzing it and incorporating it into their projects. Research skills help students expand their knowledge and improve their scientific thinking skills. Students are encouraged in the research process to learn themselves



independently and discover new knowledge. Group work skills are another important aspect in project-based work. [3]

Students learn the skills of teamwork, communication and collaboration in the implementation of their projects. In the process of working in a group, Students develop the skills of exchanging ideas, listening to each other's thoughts, and making decisions together. This process also increases students' social skills as they become familiar with a wide variety of ideas and approaches. Group work skills help students successfully participate in future community projects. Communication skills also develop in project-based work. Students develop communication skills while presenting their projects, exchanging ideas, and working in a group. In this process, students learn to use a variety of techniques, including written and oral communication. Communication skills allow students to express their thoughts clearly and fluently, communicate effectively with others and present their ideas. The development of communication skills helps students to share their thoughts with others and improve their relationships.[4]

Organizational and planning skills are also important in project-based work. Students learn skills to plan their work, manage time, and allocate resources efficiently. In the project implementation process, students develop skills such as setting tasks, setting deadlines, and monitoring the workflow. Organizational and planning skills help students succeed in future projects. Students improve the process of planning and doing their work by learning to manage time efficiently. Self-assessment and reflex skills are important aspects of project-based work. Students develop self-assessment skills by evaluating their work, analyzing the results, and learning from their own experiences. In the process, students will have the opportunity to identify their successes and shortcomings, improve their work and plan how they will improve in the future. Self-assessment and reflex skills help students to track their progress and develop the strategies needed to achieve their goals. Technological skills also develop in project-based work. Students require the use of various technologies and tools in the implementation of their projects. In the process, students develop skills to learn new technologies, apply them, and use them effectively in their projects. Technological skills are essential for students to be successful in a modern work environment. Students will have the opportunity to make their work more efficient and interesting through the use of technology. Feedback and discussion skills develop in a project-based workflow. Students learn the skills of sharing, discussing, and accounting for different perspectives with others. In the process, students develop skills to communicate constructively, exchange ideas with others, and solve problems together. Feedback and discussion skills help students participate effectively in teamwork. Students learn to respect each other's opinions and accept different opinions. Leadership skills also develop in project-based work. Students will have the opportunity to develop leadership skills by working cooperatively on projects. In the process, students learn the skills of guiding others, managing a team, and making decisions. Leadership skills help students to be successful in different areas in the future. They develop the skills of acting as leaders in their communities and inspiring others. Thus, project-based work allows students to develop many important skills. Creative thinking, problem solving, research skills, group work, communication, organization and planning, self-assessment, technological skills, feedback and discussion, leadership skills - all



of which are essential for students to be successful in their future educational and professional activities. Project-based work helps students apply their knowledge in practice, developing creative thinking and problem-solving skills. This process helps students to become more self-aware, achieve their goals and become successful people in the future. Through project-based work, students build self-confidence, discover their abilities, and actively participate in shaping their future. This process not only increases the level of knowledge of students, but also greatly contributes to their personal development.[5]

CONCLUSION

As a result, project-based work is an effective approach aimed at actively participating students in the educational process, developing their creative thinking skills and improving their practical skills. This approach helps students apply their knowledge in practice, solve problems, and enhance interaction. Understanding the theoretical foundations of project-based work, understanding its importance in the educational process and considering the possibilities of its application in practice will serve to further develop the educational system.

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