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INTEGRATIVE APPROACH IN TEACHING LIFE ACTIVITY SAFETY SCIENCE

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ABSTRACT

This article analyzes the issue of "integrative approach to teaching life activity safety. On the basis of the integrative approach, the principles of organizing the educational process, methods for ensuring interdisciplinary connection and the possibility of using interactive methods and digital technologies in the teaching of safety of life activities science have been analyzed. Based on the results of the study, proposals have been put forward to improve the effectiveness of the integrative approach in teaching the science of life activity safety. The results of the study show that teaching life Activity Safety Science in harmony with natural sciences such as biology, chemistry, physics, technology, geography and social sciences such as law, psychology and sociology has a positive impact on the development of student safety culture. The integrative approach justifies itself in practice by improving educational efficiency, shaping real-life problem-solving skills, and introducing innovative teaching techniques.

Keywords: Safety of life activities, integrative approach, interdisciplinary connection, safety culture, innovative pedagogy, interactive teaching methods.

INTRODUCTION

Interdisciplinary integration is gaining importance in the modern educational process. Especially in the teaching of life Activity Safety Science, an integrative approach makes it possible to improve educational efficiency, develop students' analytical thinking skills and prepare them for practical knowledge. Through this approach, the science of life activity safety is taught in relation to other natural and Social Sciences, serving to form a culture of security in life situations. It also reflects on the effectiveness of integrated educational methods and their impact on the educational process. Modern trends and advanced experiences in this regard will also be studied and practical recommendations will be developed to improve the quality of Education.

Thematic literature analysis: The scientific-theoretical basis of the integrative approach to teaching the science of life Activity Safety has been studied by many domestic and foreign researchers. The scientific research carried out in this direction is aimed at improving the effectiveness of education, strengthening interdisciplinary ties and the formation of a culture of security.

In the scientific literature, it is argued that an integrative approach helps to increase the practical importance of the science of life activity safety by harmonizing pedagogical innovations, technologies and modern educational methods. In particular, well-known scientists in the field of pedagogy and didactics (V.V. Davydov, D.B. Elkonin, J. Piaget) those

who have established that integrative teaching methods serve a solid appropriation of knowledge in the educational process [5,6,7].

In local studies (A.A. Saidov, U.A. Niyozov, B.X. Xaydarov) the importance of integration of life Activity Safety Science with other natural and technical sciences is noted [4]. According to the researchers, teaching in harmony with natural sciences such as biology, physics, chemistry, geography helps to increase the effectiveness of the science of life activity safety. At the same time, its association with the sciences of psychology, law and sociology is seen as an important factor in the formation of a culture of security.

Foreign sources (J. Dewey, B.S. Bloom, P. Freire) it is argued that an integrated approach to education serves to develop students' creative and critical thinking skills [1,2,3]. Research shows that by harmonizing different disciplines, students acquire practical knowledge and skills focused on solving real-life problems.

Digital educational technologies and innovative teaching methods in recent years (STEM, STEAM, CLIL) asosida integratsiyaviy yo'nalishni rivojlantirishga qaratilgan tadqiqotlar kengashida. In particular, a number of scientific papers have been published on improving the effectiveness of life activity safety science through virtual laboratories, simulation programs and interactive learning modules.

Analyzing the above studies, it can be said that an integrative approach to teaching the science of life activity safety plays an important role in improving the quality of education, strengthening students' interest in science and shaping a culture of security. To develop this approach, it is necessary to strengthen interdisciplinary ties, effectively use innovative pedagogical technologies and widely introduce modern teaching methods.

RESEARCH METHODOLOGY

Scientific-based methodological approaches were used to conduct research on the integrative approach to teaching the science of life activity safety. The main objective of the study is to improve the effectiveness of teaching the science of life activity safety on the basis of an integrative approach, to ensure interdisciplinary connection and to introduce innovative methods into the educational process.

RESEARCH METHODS

The study was conducted based on the following methods:

1. Theoretical analysis-existing scientific literature, regulatory legal documents, educational standards and advanced experiments on the teaching of the science of life activity safety were studied. The principles of the integrative approach were analyzed on the basis of pedagogical and psychological theories.

2. Empirical research-practical experiments were carried out and the results of teaching the science of life activity safety on the basis of an integrative approach were studied.

- Surveys, interviews and observations were conducted between students and teachers.
- Experimental and control groups were established and educational effectiveness was compared.

3. In the process of experimental research and training, various methods of integrative approach were introduced and their effectiveness was assessed.

In this:

- The results of the groups trained on the basis of the AP'anational and integrative approach were compared.
- Knowledge, foaming and practical training of students were studied.

4. Statistical analysis-the results obtained were processed using mathematical-statistical methods, and the changes in the educational process were analyzed on the basis of numerical indicators.

5. The effectiveness of using an integrative approach in the experimental-pedagogical research – teaching process was tested through practical experience.

The results of the study showed an increase in the effectiveness of the educational process through the connection of life Activity Safety Science with various disciplines. At the same time, it was found that the use of innovative methods and modern pedagogical Technologies has a positive effect on strengthening the knowledge and skills of students in security.

CONCLUSIONS AND SUGGESTIONS

The integrative approach to the teaching of life activity safety science is one of the important areas of the modern educational system, the application of which serves to improve the effectiveness of the educational process. The results of the study show that by ensuring interdisciplinary connection, it is possible to form a safety culture of students, develop their practical skills and increase their adaptability to real-life situations.

The integrative approach develops analytical thinking skills in solving complex issues for students, allowing them to harmonize the natural and Social Sciences in the educational process. Also, innovative pedagogical technologies, including interactive methods, virtual laboratories and problematic teaching methods, have a positive effect on the more effective teaching of the science of life activity safety.

Based on the results of experimental studies, significant differences were observed between groups trained on a traditional and integrative approach. Students trained on an integrative method were found to have a high level of safety knowledge and practical training. This confirms that this approach has an effective effect on educational jagauop.

Based on the results of the study, the following proposals will be put forward:

1. The introduction of an integrative approach-the further development of the practice of teaching life Activity Safety Science in connection with natural, technical and Social Sciences.
2. The use of innovative technologies – virtual laboratories, simulation programs, problematic education and extensive use of interactive techniques are recommended.
3. It is necessary to strengthen interdisciplinary cooperation – teachers of life activity safety will conduct integrated classes in cooperation with teachers of biology, chemistry, physics and technology.
4. Increasing practical training-training based on real-life situations, evacuation training and experimental safety workshops should be organized.
5. Development of research work-a more in-depth study of the effectiveness of the integrative approach in the process of teaching the science of life activity safety and the development of scientific and methodological recommendations is desirable.

By introducing these proposals into practice, it is possible to increase the importance of the science of life activity safety in the educational process and achieve the strengthening of the safety culture of the younger generation.

REFERENCES

1. Dewey, J. “Democracy and Education” – New York: Macmillan, 1916.
2. Bloom, B. S. “Taxonomy of Educational Objectives” – New York: Longman, 1956.
3. Freire, P. “Pedagogy of the Oppressed” – New York: Continuum, 1970.
4. Xaydarov B.X. “O‘quv jarayonida integratsiyalashgan yondashuv” – Toshkent: O‘qituvchi, 2021.
5. Davydov, V. V. “Проблемы развивающего обучения” – Москва: Педагогика, 1996.
6. Эльконин, Д. Б. “Психология обучения младшего школьника” – Москва: Просвещение, 1974.
7. Piaget, J. “The Psychology of Intelligence” – New York: Routledge, 2001.
8. Abdulaziz Xakim o‘g’li Xujaqulov. Muhandislik ta’lim yo‘nalishi talabalarini kasbiy tanlovga ta’sir etuvchi omillar. Science and Education. 2023.- Страницы 493-496
9. А.Х.Хужакулов. Значение инновационных технологий в организации самостоятельной работы студентов в системе высшего образования. Вестник науки. 2023.- Страницы 113-117
10. Xujaqulov Abdulaziz Xakim o‘g‘li. Muhandislik yo‘nalishi talabalaring umumkasbiy tayyorgarligiga qo‘yilgan talablar. Prospects and main trends in modern science 2023.- Страницы 60-63
11. Xujaqulov Abdulaziz Xakim o‘g‘li. Umumkasbiy fanlarni o‘qitish orqali talabalar tomonidan shakllanadigan tadqiqotchilik qobiliyatlari. 2023.- Страницы 321-326.