

Using Quizbot in the Process of Teaching Invertebrate Zoology is an Effective Tool for Assessing the Quality of Education

Abidova Sadokat Abduahadovna

Teacher of the Tashkent State Pedagogical University named after. Nizami

Abstract: the article is devoted to the problem of improving the quality of education by using Quizbot in the process of teaching invertebrate zoology, considered as an effective tool for assessing the quality of education of students of the biological direction of higher pedagogical educational institutions.

Key words: quality of education, assessment, Quizbot methodology, students, biology.

At present, an urgent task has been set for public education - to improve the quality of education, which can be achieved by increasing the effectiveness of teaching each subject included in the curriculum. This is also evidenced by the proclamation of 2023 as the Year of Human Care and Quality Education [4], as well as the adoption of a number of policy documents in the republic on the problem of improving the quality of continuous education and the introduction of a decree on the digitalization of education [8,9,10]. Special attention in our country is also paid to the development of the sciences "biology" and "chemistry", as indicated by a separate resolution on the development of these sciences [5]. All of the above also applies to improving the quality of education for students of biological areas, in particular in the process of teaching the course of invertebrate zoology, implemented in the 1st year for students of the biological direction of pedagogical institutes.

In the context of the foregoing, it should be noted that much attention has recently been paid in our state to the introduction of digitalization in all spheres of life, including education. Great attention is paid to the study of this issue in our country, in particular, there are a number of works that reveal the effectiveness of the use of digital forms of education in the study of biology [1,2,3,6,11,12,13].

As one of the means of digital control of students' knowledge, studies were conducted using the Quizbot program in the popular telegram messenger.

Today, the use of Quiz Bot is an actual direction of modern education. Using a chatbot to create surveys and tests allows you to use electronic testing as a formative control tool, receive regular information about the progress of the educational process and provide feedback to students.

With the correct use of test tools, the learning process, both in full-time and remote form or in the form of control independent work, becomes student-oriented and such interaction significantly increases the student's involvement and motivation. Today, almost every person has in his smartphone, as a rule, more than one messenger for exchanging information. For example, Viber, WhatsApp. Messenger is a free text, image, video, audio and electronic document messaging system that is installed on mobile phones and other platforms. One of the most popular messengers is Telegram. Today, Telegram offers its users such a feature as creating a test using the Quiz Bot chat bot.

What is a quiz?

Translated from English, a quiz is a survey or quiz. It has become widespread in the field of marketing and, depending on the variety, can perform the following functions:

Identifies user needs;

Engages subscribers in a dialogue, helping to make a choice and increase the desire to buy;

Increases lead generation and reduces its cost;

Eliminates potential customer objections;

Talks about the mechanics of the product and reveals its value;

Segments the audience and identifies the most "warm" groups.

Sometimes it implies the correct answer and is playful in nature, and sometimes it simply collects information.

Quizzes are used in messengers via chatbots

A quiz works great for promoting any project. But in combination with the capabilities of instant messengers, its effectiveness increases significantly[14]

The advantages of Quizbot are as follows: round-the-clock availability, the ability to instantly receive test results, ease of use, no need to install additional programs or applications, the ability to repeat tests many times, etc.

It is also possible to apply this program in the field of education. When studying material from Internet resources, as well as conferences on the use of digitalization in various areas of life, including education, it was revealed that this program has not yet become widespread in the educational field. We have revealed the effectiveness of using this quiz to consolidate and control knowledge in the study of the course Zoology of invertebrates.

It should be noted that when studying the course "Invertebrate Zoology" a huge number of terms of Latin origin are used, which are difficult for students to remember. Therefore, students have difficulty in remembering them. The use of the Quizbot bot in the telegram application helped to control how well students remember these terms and to identify which terms they have difficulty remembering. This helped to identify terms and concepts that need to be given more attention when explaining a new topic, which, in turn, increases the effectiveness of teaching the subject.

An experiment using Quizbot was conducted in groups 100R (daytime education) and 102R (evening education). Testing was carried out on the sections Protozoa, Lower multicellular, Coelenterates and Flatworms. Since it is in these sections of the course "Invertebrate Zoology" that there is a huge number of terms related to the structural features and life cycle of these groups of organisms, students experienced difficulties in memorizing these terms and, in connection with this, they had a low academic performance. Testing students using the Quizbot program helped to identify those terms and sections in the study of which students experienced certain difficulties. Knowledge control with the help of this program gives such advantages that they can be carried out at any time of the day, they are available in use and do not require downloading any programs or entering any site.

Being able to get results immediately after testing has the advantage of saving time. Based on the test results, you can identify those terms and sections of the course that you need to pay special attention to when preparing for classes.

In the test results, which are displayed in the program immediately after the tests, in addition to the correct answers, you can also see the time it took for each test taker to solve the tests. This makes it possible for each test participant to compare their results with the results of other test participants, which, in turn, creates a competitive environment in the group and motivates students to improve their performance.

With repeated and regular monitoring of students' knowledge using tests in Quizbot, the performance of students increases and the dynamics of progress increases. Thus, the use of the

Quizbot program to control students' knowledge is an effective means of improving the quality of education.

LITERATURES

1. Kartashova N., Shakhmurova G., Halitova R. The use of case technology in the process of practical training on the discipline of “methodology of biology teaching” // International Journal of Scientific and Research Publications. Volume 10, Issue 5, May 2020. Pp.727-728.
2. Shakhmurova G.A., Egamberdieva L.N. Health protection activity of a teacher in formation of students' personality // European Science Review. 2017. № 3-4. С 85-86.
3. Shakhmurova G.A., Egamberdieva L.N., Shakhmurova M.A. Forming a healthy life style at learning youth// European Science. 2019. №2(44). 52-55p.
4. Message from the President of the Republic of Uzbekistan Sh.M. Mirziyoyev to the Oliy Majlis. January 19, 2021 [Electronic resource]. – URL: <https://www.uzbekistonmet.uz/ru/lists/view/687> .
5. Decree of the President of the Republic of Uzbekistan dated August 12, 2020 “On measures to improve the quality of continuous education and the effectiveness of science in the areas of “chemistry” and “biology”” No. PP-4805. - [Electronic resource]. – URL: <https://lex.uz/ru/docs/4945474/> №ПП-4805. – [Электронный ресурс]. – URL: <https://lex.uz/ru/docs/4945474/> .
6. Tulaganov D. D., Andrukevich E. A., Shakhmurova G. A. The use of social networks and messengers in the practice of teaching biological disciplines // "Prospects for the use of modern information resources in the education system" - Proceedings of the republican scientific and practical online conference. – (Tashkent, May 4, 2021, Uzbekistan). - Tashkent. 2021. - 374 p.
7. Decree of the President of the Republic of Uzbekistan on May 11, 2022 “On approval of the national program for the development of public education” in 2022-2026 No. UP-134 [Electronic resource]. – URL: <https://lex.uz/ru/docs/6008668> .
8. Decree of the President of the Republic of Uzbekistan dated July 11, 2019 “On measures to reform the management in the field of higher and secondary specialized education” No. UP-5763. - [Electronic resource]. – URL: <https://lex.uz/docs/4415393/>.
9. Decree of the President of the Republic of Uzbekistan dated October 5, 2020 “On approval of the Digital Uzbekistan-2030 strategy and measures for its effective implementation” No. UP-6079. – URL: <https://lex.uz/ru/docs/5031048>.
10. Decree of the President of the Republic of Uzbekistan dated October 8, 2019 “On approval of the Concept for the development of the higher education system of the Republic of Uzbekistan until 2030” No. UP-5847. - Collection of legislation of the Republic of Uzbekistan, 09.10.2019, No. 06/19/5847/3887; April 30, 2020, No. 06/20/5987/0521. – URL: <https://lex.uz/ru/docs/4545887/>.
11. Khamdamova M.I. (2020) System-forming course "Human Anatomy and Physiology" as a means of developing multimedia competence, European Journal of Research and Reflection in Educational Sciences Vol. 8 no. 2, 2020 ISSN 2056-5852, p.80-88).
12. Khamdamova M.I. “Improvement of the teaching methods of the subject “Human Anatomy and Physiology” based on multimedia technologies (on the example of pedagogical higher educational institutions)”, abstract of can. diss. Samarkand- 2022- P.58.
13. Shakhmurova G. A., Egamberdieva L. N., Akhmedkhodzhaeva N. A. The use of information technologies in the process of teaching biology // Innovations in education: searches and solutions. Collection of materials of the II-nd international scientific-practical conference. Volume I. National Academy of Education. I. Altynsarina, Ural State Pedagogical University. 2015. S. 576-578.
14. <https://www.cossa.ru/inqoob/303000/>