

FEATURES AND ADVANTAGES OF ELECTRONIC TEXTBOOKS IN THE TEACHING OF ASTRONOMY

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Annotation:

the role of modern Information Technology in the creation of information educational resources for independent education in the current period is incomparable. In independent education, modern information technologies i.e. educational and methodological materials created on the basis of computer software, including the main purpose of using electronic textbooks is to form a modern information and educational style, increase the efficiency, quality and unity of the educational process through the use of modern information and pedagogical, information and computer technologies, widely use of modern educational resources in.

Keywords: electronic dasrlik, information environment, method, computer, program, educational activity.

It is necessary to give special importance to the creation of various information and educational resources in the effective organization of independent educational activities during the educational process. Because independent education is basically an educational activity based on the learner's independent learning. In the present era, the role of modern information technologies in creating informational educational resources for independent education is incomparable.

In independent education, the main purpose of using modern information technologies, i.e. educational and methodical materials created on the basis of computer software, including electronic textbooks, is the formation of a modern information-educational style, the use of modern information-pedagogical, information and computer technologies. increasing the effectiveness, quality and productivity of the educational process through the use of electronic textbooks, modern educational resources in the continuous education system, organizing their libraries in a certain sense, distance education implementation of teaching methods and access to the universal e-learning system.

In the concept of creating a new generation of educational literature for the continuous education system, the electronic textbook is defined as follows: "Electronic textbook is an educational method based on computer and information and communication technologies, independent education and science-related information. "it is an electronic educational literature intended for effective assimilation of educational

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materials and scientific information". So, the main goal of creating an electronic textbook is focused on independent education.

Considering the practical use of electronic educational literature, it is observed that electronic textbooks have the following characteristics:

- eases understanding of the studied material by using an inductive approach to traditional educational literature, influencing auditory and emotional memories;
- adapted to the needs, level of training, and intellectual capabilities of learners;
- draws attention to the essence of the educational subject, frees from complex calculations and substitutions, making it possible to look at a large number of information and assignments and solve more practical problems;
- creates ample opportunities for self-examination at all stages of learning;
- allows you to make beautiful, clear formalities of the work and hand it over to the teacher in a file or printed on paper;
- performs the task of an experienced teacher, providing unlimited explanations, countless repetitions, reminders.

Currently, there are 4 categories of e-textbook sharing:

Level 1 electronic textbooks are in the form of hypertext, in which educational materials are connected to each other through hyperlinks. Two-dimensional display tools, such as pictures and tables, can be used in it.

Level 2 e-textbooks partially include hypertext and two-dimensional animation. This type of electronic textbooks can often be called virtual stands.

Level 3 e-textbooks combine both animation and hypertext at the same time, and this type of e-textbooks are voiced. They can be called multimedia electronic textbooks because they are used through multimedia tools.

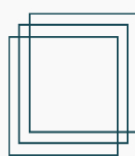
Stage 4 electronic textbooks must be created on the basis of modern network technologies and meet the criteria of distance education.

List of References

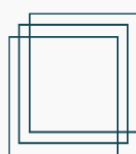
1. G. I. Sayfullayeva, N.T. Namozova // Solution and analysis of the case-study method in physics teaching// Central asian research journal for interdisciplinary studies 2022
2. G. I. Sayfullayeva, H.R. Shodiev // The method of finding the topic of the Earth in distance education based on an integrated approach Journal of Academic Research and Trends in Educational Sciences (JARTES) 2022
3. G. I. Sayfullayeva, S. Kh. Mirzaqandova // The solution and analysis option of the case studies method in teaching the subject of Kepler's laws from astronomy// Neuroquantology | October 2022 | volume 20 | issue 12 |page 3170-3174| doi: 10.14704/nq.2022.20.12.nq77320
4. G. I. Sayfullayeva, O'.K. Sunnatova // The solution and analysis option of the Case study method in teaching Kepler's laws from astronomy // International Conference on Developments in Education Hosted from Toronto, Canada <https://econferencezone.org> 27th Nov. 2022

<https://ejedl.academiascience.org>

Emergent: Journal of Educational Discoveries and Lifelong Learning is a scholarly peer reviewed international Journal



5. G.I. Sayfullayeva, S.Q. Kakhorov // Integrated approach to teaching physics and astronomy // Modern trends of teaching physics in the environment of information and innovative technologies: Republican scientific and practical conference on the topic of problems and solutions November 24, 2022
6. G. I. Sayfullayeva, A.M. Bozorova // Advantages of teaching the solar system and the topic of the sun using the STEM educational system // Development and innovation scientific online journal 2022
7. Bakhreddinova, G. M. (2020). The interactive methods and principles of foreign language teaching. *International Journal on Integrated Education*, 3(1), 77-79.
8. Ганиханова, М. Б. (2019). Методика обучения английскому языку студентов технического направления на основе медиатехнологий. *Проблемы современной науки и образования*, (1 (134)), 60-63.
9. Khalismatov, I., Zakirov, R. T., Zakirov, A. A., & Ganikhanova, M. B. (2020). Features of the operation of watering gas wells in the Shimoliy Berdakh field. *International Journal of Advanced Research in Science, Engineering and Technology*, 7(12), 15932-15936.
10. Ganikhanova, M., Saydikramova, U., & Khamraeva, N. (2020). Features Neoteric Of Teaching Foreign Languages Making Use Of Hi-Tech Technologies For Students Of Polytechnic Higher Education Establishments In The Republic Of Uzbekistan. *International Journal of Scientific and Technology Research*, 9(4), 3220-3225.
11. Ganikhanova, M. (2018). ISSUES OF LINGUISTICS. *Интернаука*, (7-2), 30-31.
12. Ganikhanova, S. (2018). To The Study Of History And Theory Musical Applied Genres. *Eurasian music science journal*, (1), 1-6.
13. Ganihanova, M. B. (2021). ORGANIZATION AND IMPLEMENTATION OF THE ORGANIZATION OF PEDAGOGICAL EXPERIMENTS. *CURRENT RESEARCH JOURNAL OF PHILOLOGICAL SCIENCES*, 2(12), 130-133.
14. Ганиханова, М. (2021). A model of teaching english to students of technical universities based on media technologies. *Общество и инновации*, 2(11/S), 210-214.
15. Ганиханова, М. (2021). Methodological support of training future engineers based on media technologies. *Общество и инновации*, 2(11/S), 215-219.
16. Isomov, M. M., & Shomurodov, K. E. (2020, May). Peculiarities of rehabilitation of pregnant women with inflammatory diseases of maxillofacial area. In *International scientific-practical conference " Modern aspects of complex dental rehabilitation of patients with maxillofacial defects" May* (pp. 21-22).
17. Исомов, М. М., & Шомуродов, К. Э. (2020). Особенности реабилитации беременных женщин с воспалительными заболеваниями челюстно-лицевой области. In *современные аспекты комплексной стоматологической реабилитации пациентов с дефектами челюстно-лицевой области* (pp. 72-76).



18. Шомуродов, К., Курьязова, З., Исомов, М., Мукимов, И., & Файзиев, Б. (2017). Совершенствование хирургического лечения переломов нижней стенки орбиты. *Stomatologiya*, 1(2 (67)), 78-80.
19. Шомуродов, К. Э., & Исомов, М. М. (2021). Социальные проблемы профилактики стоматологических заболеваний у женщин репродуктивного возраста. In *Менеджмент в здравоохранении: вызовы и риски XXI века* (pp. 180-183).
20. Исомов, М., Шомуродов, К., & Олимжонов, К. (2020). Мониторинг стационарной и амбулаторной реабилитации беременных женщин с воспалительными заболеваниями челюстно-лицевой области. *Stomatologiya*, 1(2 (79)), 21-24.
21. Исомов, М. М., & Олимжонов, К. Ж. (2020). Профилактика стоматологических заболеваний у женщин репродуктивного возраста. In *Актуальные вопросы диагностики и лечения новой коронавирусной инфекции* (pp. 11-14).
22. Shomurodov, K. E., Kuryazova, Z. K., Isomov, M. M., Mukimov, I. I., & Fayziyev, V. R. (2017). Improvement of surgical treatment of fractures of the inferior orbit wall. *J Stomatologiya–2017*, 2, 78-80.
23. Isomov, M. M., Shomurodov, K. E., Olimjonov, K. J., & Azimov, I. M. (2020). Features of etiopathogenesis and the course of inflammatory processes of periapical tissues in women during pregnancy. *Биомедицинаваамалиётжурнали.–2020.–№ SI-2.–C*, 833-838.
24. Shomurodov, K. E., & Isomov, M. M. (2021). Cytokine profile of blood plasma and oral fluid in pregnant women with odontogenic inflammatory diseases. *Central Asian Journal of Medical and Natural Science*, 2(3), 118-122.
25. Мусаев, Ш., Шомуродов, К., & Исомов, М. (2020). Частота и характеристика переломов нижней челюсти у детей. *Stomatologiya*, (1 (78)), 45-48.