

Creating an Educational Environment of an Electronic Textbook on English at University

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Abstract

Annotation. The article presents the main provisions of creating an educational environment of an electronic textbook in English: the essence of the concept of "educational learning environment", the structure and principles of creating a learning environment, the essence of the concept of "electronic textbook", its capabilities and importance in the modern educational process in the English lesson. The theoretical basis for writing the article is based on the modern paradigm of education, which emphasizes the technologization, internetization and individualization of the modern educational environment. The analysis of the features of the formation of the educational environment includes consideration of the historiography of this topic, methods of compiling an electronic textbook on the English language. It was possible to identify the requirements for the educational environment of an electronic textbook, the features of its creation, the problems that stand in the way of implementing the leading educational concepts in the English language course. The paper gives an answer to the question of how the principles of teaching English correlate with the features of creating a thematic electronic textbook and what are the functions of an electronic learning tool in the classroom.

Keywords: modern education, educational learning environment, English, teaching, electronic textbook, technology, ICT, computer, modern paradigm.

1. INTRODUCTION

With all the variety of existing electronic educational programs, one of the urgent tasks remains the development and implementation of own electronic resources and methods of working with them. Thus, ensuring the learning process with the help of electronic textbooks, the development and testing of methods for their use are one of the priorities of educational institutions.

According to the requirements of regulatory documents, an electronic textbook (hereinafter referred to as the EC) should provide a high level of clarity, illustrativeness and structured presentation of educational material, the ability to effectively search for information. In addition, having elements of hypermedia and virtual reality, interactive characteristics, while retaining all the qualities of a printed publication, it should become a "learning tool with enhanced capabilities".

Informatization of the educational process in the English language lesson is called the integrating branch of pedagogy, which combines social, technical, practical research in order to implement methodological and didactic principles of education using the latest communication and scientific technologies. Comfortable learning conditions without harm to the health of the student are important components of the informatization of the educational process. The modern paradigm of the educational process puts the technologization of the educational process in English lessons in a

modern university in the first place. The fundamental principles of the implementation of the modern content of education are: informatization, openness, individualization.

It is possible to implement the paradigm of informatization and technologization in the presence of electronic infrastructure, software, internetization, computerization, the competence of teachers in the presentation of teaching material with the help of modern technologies.

An important condition for the development of personality and the assimilation of knowledge within the boundaries of the concept of informatization of the educational process is the presence of a favorable educational environment. Educational environment - includes a set of factors and situations that make up an organized, favorable pedagogical environment for personal development. The educational environment is a subspecies of the socio-cultural environment in which human development and activity are carried out. The socio-cultural environment includes social, spiritual and material factors of the student's personality development at the university, it changes the personality and changes itself. Pedagogy, psychology, and sociology deal with the problems of interaction between the student and the educational environment.

2. RESEARCH AND METHODOLOGY.

The creation of an educational environment implies the development of a system of personal development based on global trends in culture, economics, and politics. At the regional level, it is necessary to take into account local educational policy, national culture, traditions, and communication tools. At the local level, the creation of an educational environment is influenced by an educational institution, family, and the immediate environment. The humanitarian educational environment, the creation of which is necessary in English lessons, implies the formation of modern cultural, social, humanitarian thinking of students. The educational environment in English lessons is characterized by integrity, autonomy, openness - it should create psychological and pedagogical conditions for the formation of a competent personality. The educational environment is characterized by structurality - ways of organizing learning, and saturation - material resource potential. The educational environment is also created by the student's personality itself in the process of acquiring knowledge, since each student develops according to individual characteristics.

According to the psychological and pedagogical "theory of possibilities" - the educational environment and the subject of learning are inextricably linked and completely interdependent. The student actively perceives the educational environment of the subject, and the environment ensures the comprehensive development of the student. Thus, the educational environment of an electronic textbook provides not only program material, but also gives an opportunity to actively improve oneself.

The structure of the educational environment includes communication and organizational (the component characterizes the features of the organization and communication in the English lesson, includes the subjects of learning, the features of the management of the educational process), methodological (a set of methodological recommendations, educational concepts regarding the presentation of the material in the English lesson, the forms of organization of learning), spatial-semantic (special traditions of the lesson, its aesthetic organization, design of the English language classroom).

Each lesson includes the following components:

- lesson dictionary;
- lexical exercises and tests;
- basic text and tasks for the development of reading skills (including test character);
- audio and video materials for the development of listening skills (in the form of tests);
- exercises of a communicative nature;
- tasks for the development of writing skills;
- additional texts and exercises to them.

Due to the implementation of the social methodological and content component of the educational environment in the English lesson, an integrative approach to the content of education is possible, the study of current problems of the university English course is carried out, the necessary information is updated, it is possible to choose the method and form of teaching program material. The communicative component implements the requirement necessary for effective learning in creating a favorable communicative environment - communication between teachers and students.

According to research, in the structure of the educational environment, there are:

- Social content - a form of communication between a student and a teacher in an English lesson;
- Architectural and spatial structure - features of the aesthetic organization of the space in which English language training takes place;
- Psychological and didactic containing - methodology, content, forms of organization of the educational process in English lessons.
- Structural components of the educational environment of the university:
- A set of resources and learning tools - including electronic textbooks;
- Pedagogical methods and technologies of teaching;
- A set of educational information;
- Trained, professional staff;
- Material resources.

The creation of an electronic textbook learning environment implies the formation of an external and internal environment. The external environment includes the student in the communication process, which is an important factor in the effective learning of a foreign language. Internal -directs individual possibilities of perception of the material in the necessary direction, to strengthen the motivation of self-development.

3. RESULT AND ANALYSIS.

An important factor of effective education in a modern university is the availability of specially developed electronic resources. Electronic textbooks are a type of modern, educational electronic publications that contain program material on an academic subject. Electronic textbooks are compiled in accordance with didactic and methodological principles of teaching, they can form the core of individual learning in an active educational environment.

The essence of the electronic textbook is reflected in the following provisions, they put forward specific requirements for the creation of an educational environment:

- The electronic educational resource should be reproduced on modern, high-tech means. Sometimes the means for training with the use of an electronic textbook are indicated by the developer himself. It is necessary to have a material technical base to work with an electronic resource.
- An ordinary paper textbook, scanned, translated into electronic form is not an electronic textbook. And vice versa - the translation of an electronic textbook in English into a paper version will lose its functionality.
- The use of electronic textbooks is possible in conditions of active and interactive learning, therefore a high level of readiness of students to perceive information using an electronic resource is necessary. The task of the teacher is to create a communicative environment for the perception of the material.
- Modern didactics considers an electronic textbook as an alternative to a paper textbook.
- The electronic textbook should be compiled according to the program requirements and methods of teaching English.

Electronic textbooks in English lessons can be supplemented with electronic anthologies, workshops, visual aids, simulators, workbooks. In English lessons, an electronic textbook can be both a learning technology and an educational environment.

The educational environment of an electronic textbook in English includes the available material and technical base for the possibility of demonstrating the capabilities of the textbook, program information that needs to be presented to students. The implementation of the educational possibilities of an electronic textbook is carried out by a teacher.

The creation of an electronic English textbook learning environment begins with the development of a model of interaction between a student and a teacher. According to the concept of personality-oriented education, a creative atmosphere should be provided at the lesson, demonstrating the individual capabilities of each student.

The greening of the learning environment implies the creation of comfortable conditions for the assimilation of information from an electronic resource. The ecological component includes the psychological atmosphere, the duration of work, the educational material and its level of complexity, and, accordingly, the load for the student.

Aestheticization of the learning environment is the design of the textbook interface. Psychologists recommend taking into account both the color of the design, and the font size, and the quantity, quality, frequency of use of images and videos. There are standards according to which the design of the classroom is carried out - this should also be taken into account, since the electronic textbook affects the student simultaneously with the environment. Scientists have proven that yellow and orange colors are the most favorable for mental work. They can be used in the design of the interface of an electronic textbook, but since they are tiring, they need to be diluted with other colors. Blue and green are calm colors, do not tire, but also do not provoke the activation of attention and learning activity. Red tires quickly, but it can be used to focus students' attention on grammar rules, exceptions to the rules, homework. White and gray colors are suitable for the background. Purple is not recommended to be used in an educational institution in principle.

The learning environment should be filled with content, information that students need to learn. The information should be structured and logically arranged. The main thing is that it must correspond to the English language training program and form the necessary skills and abilities. The presence of a well-designed electronic textbook allows you not to use a large number of removable stands, maps, tables, and teaching aids in the lesson.

The formation of an interactive learning environment is one of the most important tasks. The modern educational concept brings to the fore the need to include the student in the communication system. Through an electronic English textbook, a system of views on the national environment is formed, tolerance and respect for other cultures are instilled. The development of individuality in the conditions of collective discussion and study of the material strengthens leadership qualities, increases motivation.

The electronic textbook is based on a module, which is assigned a goal-setting function. The quality of students' learning depends on its implementation. The module is the content of the curriculum of a certain subject, presented at the heart of an electronic textbook in a logical, structured form for clear and effective assimilation by students of the program material for a certain academic year. The material in the electronic textbook is presented in the form of hypertext - texts, graphic images, maps, slides, primary sources, video and audio fragments that are used in the lesson by the teacher in order to activate thinking, memory, and inclusion of the student in various activities in the English lesson. The educational environment of electronic textbooks allows students to perform tasks of different levels of complexity as productively as possible, since they previously receive more complete, interesting information - an electronic textbook activates cognitive activity among students with different levels of academic performance.

According to the principles of teaching English, the electronic textbook performs the following functions:

- Provides automation, subconscious use of a foreign language, by involving more sensory organs than when working with a regular textbook;
- Guarantees the internal motivation of learning;
- Reinforces self-confidence and communication with the language environment through the possible combination of textual and auditory information;
- Generates the effect of "language thinking" or "native language" - strengthens the emotional connection with the language environment.

The stages of creating exercises for electronic textbooks correspond to the stages of mastering the material:

- Familiarization, primary perception;
- Formation of a sequence of reproduction of operations of a specific action;
- Implementation of the action in the external aspect - external speech action;
- External speech implementation of the action;
- Subconscious, automatic implementation of the action.

In the context of teaching English, these stages may look like this:

1. Familiarization with the technique of completing the task for the correct spelling and use of persistent speech turns - by auditory or visual perception of information using an electronic textbook;
2. Performing tasks with the help of a teacher or training exercises in an electronic textbook;
3. Independent passage of interactive trainings;
4. Performing similar tasks independently at home, without the help of information resources and a teacher.

The effectiveness of the educational environment consists in:

- The ability to affect all the senses;
- Creating interactive learning at the level of the English language course;
- Formation of internal motivation for learning;
- A greater percentage of the information learned by students;
- Formation of the ability to work in a team, develop leadership qualities, creativity, non-standard thinking.

According to statistics, the information acquired through the perception of oral information is stored in memory by 70% after 2-3 hours, 75-85% - with audiovisual perception. After 3 days, the information acquired through oral presentation by the teacher is reproduced by 10%, perceived by audiovisual - by 50-65%. Thus, the educational environment makes it possible to assimilate educational material in English by 40-50% better, which increases the motivation of learning and self-education opportunities.

4. CONCLUSION

The possibilities of the educational environment of the electronic educational publication in English:

1. Learning new and updating the material already passed.
2. Formation of new skills and abilities.
3. Performing exercises related to the correct reprimand, the use of acquired knowledge in practice.
4. Testing, performing creative tasks.
5. Interactive excursions, travel.
6. The ability to develop students' interest in new knowledge by influencing all the senses.

The creation of an educational environment of an electronic textbook in English is an important component of the modern education system aimed at implementing the concepts of technologization,

improving communication skills, and informatization of teaching in English lessons. Creating a favorable learning environment increases the quality of learning in the classroom several times.

Indeed, the expanded possibilities of the subject under consideration, such as the possibility of independent selection of the content and sequence of studying the material, managing the process of mastering it, developing adaptability and creativity, evaluating the results of their own educational activities, create conditions for the formation of educational autonomy.

The autonomy of learning, interpreted as the ability of a person to master strategies and master the system of educational activities, is the basis of continuous language education, the readiness of a person for "constant self-development and self-realization in the educational and information environment."

In conclusion, it should be noted that modern education, including military education, is unthinkable without improving methods that provide high theoretical and practical training of military specialists. The development, implementation, as well as methods of their use in the educational activities of a military university are the most important factors determining the effectiveness of the organization of the educational process, which, in turn, contributes to improving the quality of education of students.

5. REFERENCES

1. Andreeva E., Korneva I., Kapustina E. Advantages and disadvantages of electronic textbooks in foreign language teaching at university //EDULEARN17 Proceedings. – IATED, 2017. – С. 1001-1005.
2. Rinatovna G. A., Shamsunovna N. A., Muzaffarovna A. N. Using information and communication technologies to develop writing competence of students at the lessons of the English language //Вестник науки и образования. – 2019. – №. 20-3 (74).
3. Farxodjonqizi F. N., Dilshodjonugli N. S. Innovative processes and trends in the educational process in Uzbekistan //ACADEMICIA: An International Multidisciplinary Research Journal. – 2020. – Т. 10. – №. 4. – С. 621-626.
4. Santosa I. Designation of gender on electronic EFL textbook for senior high school //Indonesian EFL Journal. – 2020. – Т. 6. – №. 2. – С. 127-138.
5. Li S., Zheng J. The effect of academic motivation on students' English learning achievement in the eSchoolbag-based learning environment //Smart Learning Environments. – 2017. – Т. 4. – №. 1. – С. 1-14.
6. Farxodjonova N. F. THE IMPORTANCE OF THE SPIRITUAL HERITAGE OF THE JADIDS IN THE DEVELOPMENT OF SOCIETY //Экономикаисоциум. – 2022. – №. 10-2 (101). – С. 33-35.
7. Šafranĵ J. Electronic Textbooks for Learning English as a Foreign Language //CIP–Каталогизацијаупубликацији. – 2014. – Т. 14. – С. 359.
8. Cartes-Enriquez N., RODRIGUEZ M. I. S., Letelier R. Q. Electronic texts or learning through textbooks: An experimental study //ReCALL. – 2004. – Т. 16. – №. 2. – С. 539-557.
9. Farxodjonova N. F. Modernization Of Uzbek Language And National-Spiritual Heritage In National Culture". The American Journal of Social Science and Education //Innovations. – 2021. – Т. 3. – №. 01. – С. 585.
10. Babajanova Y. M. METHODS FOR IMPROVING THE EFFECTIVENESS OF TEACHING FOREIGN LANGUAGES //Мироваянаука. – 2019. – №. 5 (26). – С. 10-12.
11. ЧАЛДЫШКИНАА. М. ELECTRONIC TEXTBOOK AS ONE OF THE MAIN FORMS IN TEACHING ENGLISH GRAMMAR //Лингвистикаиметодика: междисциплинарныйподход. – 2019. – С. 141-145.
12. Farxodjonova N. F. FORMATION OF NATIONAL IDEA THROUGH FACTORS OF NATIONAL CULTURE //МИРОВАЯНАУКА 2020. ПРОБЛЕМЫИПЕРСПЕКТИВЫ. – 2020. – С. 3-6.
13. Tursunovna T. F. Modern methods of teaching english //Asian Journal of Multidimensional Research. – 2021. – Т. 10. – №. 12. – С. 404-408.

14. Babajanova Y. M. INNOVATIVE EDUCATIONAL TECHNOLOGY IN THE TRAINING PROCESS //Экономикаисоциум. – 2018. – №. 10 (53). – С.
15. Bahramovna A. S. Problems in teaching writing //Проблемыпедагогика. – 2019. – №. 6 (45). – С. 31-32.