



UDC 371.13

IRSTI 14.85

DOI 10.37238/2960-1371.2960-138X.2024.93(1).9

¹Kismetova Galiya, ²Nurlibekkyzy Aidana*^{1,2} West Kazakhstan University named after Makhambet Utemisov,
Uralsk, Kazakhstan

*Correspondence: ai_er_anuar@mail.ru

E-mail: galiya-1969@mail.ru, ai_er_anuar@mail.ru

**THEORETICAL ASPECTS AND PRACTICAL IMPLEMENTATION OF
THE USE OF COGNITIVE AND CREATIVE POTENTIAL IN THE
PROFESSIONAL TRAINING OF A TEACHER USING A DIGITAL
TEXTBOOK**

Annotation. The article discusses the current state of the use of electronic resources in the system of modern foreign language education. In today's digital age, electronic resources have become an important pillar in the field of education, providing students with a wide variety of learning resources and learning methods. From online platforms to distance learning, the use of electronic resources is gradually changing the face of traditional English language education. The article discusses the results of research on the current state of the use of digital textbooks in modern foreign language education and its role in education, tasks and directions of future development.

With the continuous development of technology, the field of education is also undergoing major changes. In the field of English language teaching, the use of electronic resources has become an indispensable part of teaching. Through online classes, virtual experiments, students can intuitively understand language concepts and improve learning efficiency.

In this era full of opportunities, an in-depth discussion of the current state of the use of electronic textbooks in modern foreign language education will not only help to better understand the dynamics of educational development, but also contribute to the disclosure of their effectiveness in education.

Keywords: digital textbook; education; electronic resource; students; online learning; socio-cultural aspect.

Introduction

Currently, in order to ensure the high quality of education, students actively use electronic resources in the educational process. The use of digital resources in education increases the activity of students and develops the ability to think.

According to Kazakhstani researcher M.Y.Yakushev, current level of development of knowledge and technology helps each student to obtain high-quality and in-depth knowledge. The XXI century is an information digital age. Since modern times are the time of scientific and Information Technologies, the approach to education should correspond to it[1].



One of the main conditions for the use of information and communication technologies in vocational training is to ensure full access of students to the necessary educational materials. On the way to these goals, there is a need for such software products as electronic textbooks, Business games, educational programs.

Materials and types of research

In general education schools throughout the Republic of Kazakhstan, all electronic technologies are covered. Thanks to the use of these resources, conditions are created for conducting the educational process at the highest level. In the course of e-learning, the following types of educational activities are used: video lessons, practical classes, virtual laboratories, feedback, reflections.

The goals of using electronic resources in the educational process are: formation of qualifications and improvement of skills, motivation to acquire knowledge, control over the lesson process, as well as the development of the ability to information search.

Actually, the use of digital textbooks in teaching English has a number of advantages:

Table 1: The use of interactive worksheets

1	Active interaction	Digital textbooks allow students to actively interact with the learning material. They can fill in gaps, mark correct answers, drag items and perform other actions that help them deepen their understanding and memorize the material.
2	Individualization of learning	Digital textbooks allow teachers to adapt the material to the individual needs of students. They can create different levels of difficulty for assignments, add hints and explanations so that each student can work at their own level.
3	Instant feedback	Digital textbook provide instant feedback to students. They can see the correct answers immediately after completing the task, which helps them understand their mistakes and improve their skills.
4	Interactivity	Use various interactivity elements such as drop-down lists, checkboxes, text fields, etc. This will help students to actively interact with the material and test their knowledge.
5	Variability	Give students the opportunity to choose answers or solutions. This will help to diversify the learning process and take into account the individual



		characteristics of each student.
6	Assessment of activity and participation	Taking into account the activity and participation of students in the process of completing the interactive worksheet. Evaluate their ability to work independently, ask questions, and interact with other students or a teacher.

[table is created by authors]

I will show the state of large-scale and comprehensive development of the use of electronic resources in the system of modern biological education. With the continuous development of Science and technology, the education sector is also actively introducing innovative technologies to improve the quality and effectiveness of foreign language education.

Computers and telecommunications are at the heart of information technology. According to Kazakhstani researcher S.S Kunanbayeva, the use of technology allows teachers to increase the effectiveness of the educational process, the quality of students' learning, and to assist teachers in bringing the effect of additional visibility into the classroom, allowing students to learn content more rapidly and in greater quantities. [6, p.12].

Table 2 - Psychological foundations for determining the classification of cognitive and creative potential in the professional training of a teacher using a digital textbook

Characteristics	Their content:				
Personal needs and abilities of identity	Cognitive needs	Emotional needs	Practical Needs	Social needs	Creative search needs
Types of intellect	Academic intelligence	Practical intelligence	Creative intelligence	Emotional Intelligence	Social Intelligence
Relations to reality	Cognitive attitude	Practical attitude	Creative, searching attitude	Evaluation a positive, emotional attitude	Attitude to the "others", to yourself.
Methods (ways of developing these qualities in training)	Method of organizing cognitive activity	The method of organizing practical activities	Place of the organization of creative search activity	The method of organizing emotional value activity	Method of organizing communicative activity

[a table is created by an author]

In the context of the active promotion of electronic resources, the modern biological education system is undergoing a digital transformation. This change provides



students with a flexible and personalized way of teaching, as well as promoting the innovation and development of teaching. It is necessary to seriously think about how to balance the benefits of digital education and traditional education and how to ensure the effective use of electronic education.

Methodology

The population of this study included teachers of №27 secondary school in Uralsk city. They are all English teachers of this school. 17 teachers filled in the questionnaire.

Instruments

A questionnaire was developed to collect the relevant data. The main purpose of the questionnaire was to define the teachers' ability in working with modern digital textbooks in the educational process. The questionnaire included two main themes relevant to the application of textbooks in English learning process. The questions are formulated from easier to difficult. To motivate teachers' interest in teaching, questions included all areas of creating workbooks and textbooks and ICT using development. In some questions teachers had to think creatively and search for other information sources. The questionnaire used a five-point scale extending from 5 (very high or strongly agree) to 1 (very low or strongly disagree). The verbal explanation was used to show the results of questionnaire[6].

Data collection

All teachers answered through Google forms and we collected the answers with the help of survey. Survey was sent to different teachers; chat groups and they shared each other the link to the survey.

Results and discussion

The study results will be organized and discussed in accordance with the **research questions**.

Research question 1: "Do you use modern digital textbooks in learning English?" Results indicated that teachers had high perceptions of their technology integration competencies.

Research question 2: "How is the language and speech material presented in your target textbooks?" Teachers answered that language and speech material are presented in accordance with the language level of students [4].

Research question 3: "Does the textbook that used by you promote various types of work (individual, group, pair)?" Teachers answered that the speaking parts in their textbook helps pupils to practice their speech, their pronunciation and level of their speaking. Also, they highlighted the fact that the textbook promote various types of work like individual, group and pair, but the most significant is the pair work.

Research question 4: How is the socio-cultural aspect presented in the textbook? Teachers noted that the socio-cultural aspect presented with the help of names of each units. For example there are units that are called "Personality", "Planet Earth", "Music", "At the cinema" and so on. Due to these topics, students will be familiar with the culture of different nations and exchange cultural background.

Conclusion

These changes not only contributed to the innovation of teaching, but also allowed students to gain knowledge and develop practical skills. However, there are still issues



with distance education and it is necessary to continue to focus on improving student participation and ensuring the quality of teaching.

In the future, we believe in integrating more technologies and introducing innovative applications in biological education, in addition, we must continue to focus on issues such as equality in education and the digital gap. The continued development of electronic resources continues to determine the future of education, offering students a diverse learning experience.

REFERENCES

- [1] Yakushev, M.Y. (2016). «The concept of Education in FLT and innovative teaching methods».
- [2] Kenesbayev, S. M. (2006). «Pedagogical foundations of preparing future teachers for the use of new information technologies in Higher Education».
- [3] Collection of scientific articles of the international scientific and practical conference « modern trends in pedagogical education», 2020.
- [4] Kunanbayeva, S.S. (2019). «Methodology for the formation of information competence of future teachers of biologists».
- [5] Abilkhasimova, A. E. (2020). «Use of digital educational resources in the educational process».
- [6] Teacher's portal : [website] / E. – S.S Kunanbayeva scow, 2007. – Updated during the day. URL: <https://uchitelya.com/pedagogika/195949-primenenie-instrumenta-rabochiy-list-na-urokah-otkrytiya-novyh-znaniy.html>
- [7] Teacher's portal : [website] / E. I. Nikitenko. – Moscow, 2007. – Updated during the day. URL: http://practice.vspu.ru/files/2015/10/K510_Mineeva_EV.

Кисметова Г.Н, Нұрлыбекқызы А.

САНДЫҚ ОҚУЛЫҚТЫ ҚОЛДАНА ОТЫРЫП, МҰҒАЛІМНІҢ КӘСІБИ ДАЙЫНДЫҒЫНДА КОГНИТИВТІ ЖӘНЕ ШЫҒАРМАШЫЛЫҚ ӘЛЕУЕТТІ ПАЙДАЛАНУДЫҢ ТЕОРИЯЛЫҚ АСПЕКТІЛЕРІ МЕН ПРАКТИКАЛЫҚ ІСКЕ АСЫРЫЛУЫ

Аңдатпа. Мақалада шет тілін заманауи оқыту жүйесінде электрондық ресурстарды пайдаланудың қазіргі жағдайы қарастырылады. Қазіргі цифрлық дәуірде электронды ресурстар білім беру саласындағы маңызды тірекке айналды, оқушыларға оқу ресурстары мен оқыту әдістерінің кең спектрін ұсынды. Электрондық ресурстарды пайдалану - онлайн платформалардан Қашықтықтан оқытуға дейін-дәстүрлі ағылшын тілін оқытудың көрінісін біртіндеп өзгертеді. Мақалада шет тілін заманауи оқытуда цифрлық оқулықтарды қолданудың қазіргі жағдайын және оның білім берудегі рөлін, міндеттері мен одан әрі даму бағыттарын зерттеу нәтижелері қарастырылады.

Технологияның үздіксіз дамуымен білім беру саласы да үлкен өзгерістерге ұшырауда. Ағылшын тілін оқыту саласында электронды ресурстарды пайдалану оқытудың ажырамас бөлігіне айналды. Онлайн сабақтар мен виртуалды



эксперименттер арқылы студенттер тіл ұғымдарын интуитивті түрде түсініп, оқу тиімділігін арттыра алады.

Мүмкіндіктерге толы біздің дәуірімізде қазіргі шет тілін оқытуда электронды оқулықтарды қолданудың қазіргі жай-күйін терең талқылау білім берудің даму динамикасын жақсы түсінуге көмектесіп қана қоймай, олардың білім берудегі тиімділігін ашуға ықпал етеді.

Кілт сөздер: сандық оқулық; білім беру; электрондық ресурс; оқушылар; онлайн оқыту; әлеуметтік-мәдени аспект.

Кисметова Г.Н, Нурлыбекқызы А.
ТЕОРЕТИЧЕСКИЕ АСПЕКТЫ И ПРАКТИЧЕСКАЯ РЕАЛИЗАЦИЯ
ИСПОЛЬЗОВАНИЯ КОГНИТИВНОГО И ТВОРЧЕСКОГО ПОТЕНЦИАЛА
В ПРОФЕССИОНАЛЬНОЙ ПОДГОТОВКЕ ПЕДАГОГА С
ИСПОЛЬЗОВАНИЕМ ЦИФРОВОГО УЧЕБНИКА

Аннотация. В статье рассматривается современное состояние использования электронных ресурсов в системе современного обучения иностранному языку. В современную цифровую эпоху электронные ресурсы стали важной опорой в сфере образования, предоставляя учащимся широкий спектр учебных ресурсов и методов обучения. Использование электронных ресурсов - от онлайн-платформ до дистанционного обучения - постепенно меняет облик традиционного обучения английскому языку. В статье рассматриваются результаты исследования текущего состояния использования цифровых учебников в современном обучении иностранному языку и его роли в образовании, задачах и направлениях дальнейшего развития.

С непрерывным развитием технологий сфера образования также претерпевает серьезные изменения. В области преподавания английского языка использование электронных ресурсов стало неотъемлемой частью обучения. Благодаря онлайн-занятиям и виртуальным экспериментам учащиеся могут интуитивно понимать языковые концепции и повышать эффективность обучения.

В нашу эпоху, полную возможностей, углубленное обсуждение текущего состояния использования электронных учебников в современном обучении иностранному языку не только поможет лучше понять динамику развития образования, но и будет способствовать раскрытию их эффективности в образовании.

Ключевые слова: цифровой учебник; образование; электронный ресурс; учащиеся; онлайн-обучение; социокультурный аспект.