

MODERN TECHNOLOGIES FOR USING EDUCATIONAL INTERNET RESOURCES IN THE PROCESS OF LANGUAGE TRAINING OF FOREIGN STUDENTS

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ABSTRACT

In today's conditions of globalization and digital transformation of society, the latest information technologies are increasingly integrated into various aspects of our lives, including the educational process. One of the key priorities for the development of higher education is the active implementation of modern information and communication technologies, which contribute to increasing the efficiency of learning, accessibility of knowledge and individualization of approaches to students. These technologies are of particular importance in the context of studying the Ukrainian language as a foreign one. Higher education institutions of Ukraine and language schools focus their efforts on improving methods based on the use of information resources and Internet capabilities. Such methods make learning more interactive, dynamic and responsive to the needs of a modern student who is often looking for flexible and convenient forms of learning. The use of digital platforms, educational applications, online simulators and multimedia materials contributes to the formation of language competences, in particular the development of reading, writing, listening and speaking skills. Thus, the development of methods for using Internet resources in the process of studying Ukrainian as a foreign language is not only relevant, but also necessary for teaching foreign students.

KEYWORDS

Educational technologies, Internet resources, Ukrainian as a foreign language, foreign students, language training.

8.1 THE IMPORTANCE OF USING EDUCATIONAL ONLINE RESOURCES IN THE PROCESS OF LANGUAGE TRAINING OF FOREIGN STUDENTS

In recent years, access to full-time education in Ukraine has become significantly more difficult due to a number of circumstances. Foreign students who previously came to Ukraine to receive education are now deprived of this opportunity. At first, this was hindered by quarantine restrictions, and now – by war. However, interest in Ukrainian education among foreigners remains high.

The desire of foreigners to learn the Ukrainian language is also relevant now. The growing interest in this is facilitated by the changing role of Ukraine in the international political arena and the growth of the country's popularity as a whole. Although now, unfortunately, this is happening under sad circumstances. Ukrainian politicians, scientists, educators, representatives of various industries visit European countries to master their experience and spread their own. The exchange of experience most often takes place using the intermediary language, English. However, at the same time, for representatives of European states,

knowledge of the Ukrainian language has become a matter of prestige: the ability to understand the interlocutor in his/her native language. In this context, the ability to learn the Ukrainian language remotely is becoming more and more urgent, and therefore education that would include a large number of Internet resources that would be useful as additional material when learning the Ukrainian language as a foreign one both during online learning and for a distance format comes to the fore.

Thus, the development of educational resources and the creation of convenient online platforms, as well as mastering the technologies for using existing educational Internet resources for learning the Ukrainian language, is an important step in meeting the needs of foreign students and all those wishing to master the Ukrainian language.

In our study, we relied on the work of a number of scientists who studied the problems of using educational Internet resources and the Internet in the process of learning a foreign language. These are such scientists as: I. Kostikova, R. Milrud, E. Polat, V. Safonova, P. Sysoev, O. Khodakevych and others. Special attention was paid to research into the effectiveness of using Internet resources in teaching Ukrainian to foreign students. In particular, O. Vdovina, T. Fomenko, G. Temnyk, T. Melnychenko, L. Kalinichenko, L. Vavetskiy, L. Savchenko systematized, grouped and analyzed Internet resources for studying Ukrainian as a foreign language in order to effectively use Internet resources and Internet pages when studying and teaching Ukrainian as a foreign language.

Recent scientific research reveals practical experience in using online resources in the process of teaching Ukrainian as a foreign language. In particular, the researcher O. Vdovina was engaged in the systematization, classification and analysis of Internet resources, aimed at learning the Ukrainian language, and also identified the key advantages of using multimedia tools in this context [1]. At the same time, the problem of assessing the effectiveness of using educational Internet resources in language training of foreign students still requires further study.

The purpose of our research is to study the didactic capabilities of Internet resources, in particular educational sites, platforms, mobile applications, etc., the feasibility of their use in the process of teaching Ukrainian as a foreign language, as well as to prove the effectiveness of introducing such educational technologies into the educational process.

Technological innovations play an important role in the transformation of educational systems at all levels, contributing to their development and improvement. Studying the impact of modern technologies on learners, teachers and educational institutions is a key task for creating effective strategies for managing and integrating technologies into the educational process. One of the main problems of modern education is the need to adapt to new teaching methods based on innovative curricula and approaches. These methods should correspond to learning theories and ensure the formation of a creative and supportive environment for teachers and learners. Such an environment should not only facilitate the learning process, but also make it more interactive, motivating and inclusive.

Modern technologies significantly expand access to knowledge and information for teachers and learners, giving them the opportunity to grow in conditions of rapid information progress. Innovative tools contribute to obtaining the necessary data in any field, which makes the learning process more accessible and effective [2].

An integral part of modern education is educational web resources. Electronic educational resources occupy an important place in the educational process, performing an educational and methodological function and serving to support the educational activities of pupils, students. They are an integral part of the information and educational environment, which contributes to the modernization of the educational system and increasing its efficiency. The use of modern web technologies opens up new opportunities for improving the educational process, making it more interactive and accessible. In this context, the informatization of education is not only inevitable, but also a mandatory stage of its development.

Electronic educational resources (EER) are learning, scientific, informational and reference materials, created in digital form and presented in the form of text, graphic, audio, video or combined information. They cover various aspects of a certain subject area of education and are aimed at supporting the educational process, the formation of knowledge, skills and abilities of education seekers. The main goal of creating EER is to modernize the education system, fill it with relevant content and ensure equal access to quality education for students of all forms of education. Thanks to the use of information and communication technologies (ICT), educational electronic resources become a powerful tool in implementing the tasks of innovative development of education. The importance of EER lies not only in their ability to expand access to knowledge, but also in their impact on the transformation of teaching methods and forms. Digital resources contribute to the interactivity of the educational process, individualization of the approach to each student and provision of a high-quality learning environment that meets the challenges of modern society [3]. EER have become an integral part of the educational process, performing an important educational and methodological function and meeting the needs of educational activities. They are rightly considered one of the key elements of the information and educational environment.

8.2 CLASSIFICATION AND SYSTEMATIZATION OF MODERN ELECTRONIC EDUCATIONAL RESOURCES

Modern use of the Internet completely changes the content, methods and organizational forms of the learning process. The main tasks of using modern Internet resources in the process of learning foreign languages are to intensify the learning process and improve its quality, develop the creative potential of students, diversify the learning process and increase the efficiency of students' independent work [4].

Returning to the issue of studying the Ukrainian language as a foreign one, at the present stage it is simply impossible to imagine this process without the use of modern Internet technologies. The didactic capabilities of Internet technologies and the feasibility of their implementation in Ukrainian as a foreign language classes are obvious. Internet technologies can be used in classes to search for additional information on the topic being studied, to collect data for the purpose of creating a multimedia presentation, to check the level of students' knowledge (working with various online tests), to work with online dictionaries, etc.

When using Internet technologies in working with students, it is necessary to take into account that each person has individual differences in the ways and styles of perceiving and assimilating information, which over time become more pronounced due to the acquisition of experience and age-related changes [5]. This means that the educational process must be adapted to the diverse needs and

characteristics of students. The use of various teaching methods and techniques allows for the most effective delivery of educational content to each student, contributing to the realization of their individual potentials [6]. In particular, for students who mainly perceive information through hearing (verbal perception), it is especially important to provide material in the form of oral explanations, lectures, discussions or audio materials [7]. On the other hand, those who are predominantly visual in perception better absorb information through the use of graphs, diagrams, presentations, videos and other visual aids. In this case, the use of visual demonstration of educational material is critically important.

In addition, methods that include an activity approach and associative-emotional presentation of information are effective. The use of games, practical tasks, interactive exercises and other active forms of learning helps to stimulate students' interest and maintain their activity in the learning process. Such techniques not only facilitate the assimilation of knowledge, but also contribute to its consolidation, as they create a positive emotional background and allow participants to practically apply the acquired skills. Thus, focusing on the individual characteristics of each student, combining different methods of presenting material and involving active forms of learning make the educational process more effective, inclusive and interesting for all participants [8].

When studying existing Internet resources for learning the Ukrainian language as a foreign one, it is worth focusing on their classification and types of orientation to different types of activities, because each of them is designed to form and practice different language skills in a student.

A general list of existing platforms for learning the Ukrainian language is presented on many sites and platforms. In particular, on the platform "Authorized person for the protection of the state language" we find a catalog of Online resources for learning the Ukrainian language [9].

Let us consider the general division of educational Internet resources by their focus:

- catalogs of educational resources (electronic libraries);
- platforms for online courses (Prometheus, EdEra);
- sites to support the study of the subject (Learning Apps);
- electronic textbooks;
- web encyclopedias;
- online dictionaries (Gorokh, GRAC);
- educational video channels (All-Ukrainian School Online);
- services for creating presentations (Canva);
- services for testing knowledge of the subject (Kahoot, Language DNA of Nation).

Having analyzed the available Internet resources, teachers selected those that are the most effective and useful for learning Ukrainian as a foreign language. For ease of use, they systematized these resources, conditionally dividing them into several groups: mobile applications for learning Ukrainian, free online courses, Internet platforms, websites, YouTube channels, pages on social networks and Internet forums [1].

T. Konivyt'ska, L. Verbytska, O. Pylypets created a typology of electronic resources for learning Ukrainian according to a different principle: the most popular and free electronic resources were identified and grouped [10]. In general, these scientists identified the following groups: language courses on online educational platforms, language schools and author's courses on social networks, thematic YouTube

channels, mobile applications, as well as Telegram channels, author's blogs, which, as a rule, complement these online platforms and author's projects, etc.

Each group contains many Ukrainian language information resources that can be useful for different levels and stages of mastering the Ukrainian language.

8.3 CHARACTERISTICS OF EXISTING INTERNET RESOURCES AND RECOMMENDATIONS FOR THEIR USE IN THE PROCESS OF STUDYING THE UKRAINIAN LANGUAGE BY FOREIGN STUDENTS

The use of Internet resources in the process of studying the Ukrainian language as a foreign language has a number of advantages. Among them are the ability to choose the most convenient format for presenting information (text, graphic), audio support for illustrated materials, thematic structure, variability of difficulty levels, an author's approach to testing knowledge, as well as flexibility in choosing the time and place for learning. The teacher also recommends additional Internet resources to the student, focusing on the level of his/her language proficiency.

Thus, when studying the language with foreign students at the initial level, online dictionaries and translators will be useful, first of all; video and audio materials with examples of pronunciation of certain sounds, syllables, words; simulators for practicing the studied material, etc.

Turning to the consideration of reference electronic resources on the Ukrainian language, it is worth noting that scientists have already made attempts to describe, analyze, systematize and group existing reference books of this direction according to various principles [11, 12]. Let us mention only some of them.

In particular, on the national platform for studying the Ukrainian language of the Ministry of Culture and Information Policy of Ukraine we find a list of the most popular resources for interpreting Ukrainian words, searching for equivalents of borrowings in the Ukrainian language, Ukrainian word usage, etc. [13]. For example, online explanatory dictionaries such as the "Portal of Ukrainian Language and Culture" [14] or the academic explanatory dictionary "Dictionary of the Ukrainian Language" [15], or "Current Spelling of the Ukrainian Language" based on the educational platform "Discourse" [16].

Linguistic portal "MOVA.info" [17]. An information and reference portal on the Ukrainian language, the purpose of which is to carry out reference and information work on the Ukrainian language and Ukrainian linguistics on the Internet. The portal presents dictionaries, spelling, context of word use, etc. The project was created by employees of the Institute of Philology of Taras Shevchenko University of Kyiv.

A large number of reference resources are presented in the online library "Gorokh" [18] – the only platform where the most useful dictionaries of the Ukrainian language have been collected. Applying to this site will allow the student to obtain extensive information about a particular lexeme: explanation, word inflection, pronunciation, synonyms, translation, frequency of use, etymology, cognate words, use in phraseological combinations, possible rhyming options.

Finally, "GRAC" [19] – the general regionally annotated corpus of the Ukrainian language – a large, representative, structured collection of texts in the Ukrainian language, accompanied by a program that allows you to build your own subcorpora on the basis of the corpus, search for words, grammatical forms

and their combinations, as well as process the search results, sort, make balanced samples and obtain various statistical information.

The corpus is intended for use in studying the language at an advanced or high level. However, we believe that it can also be useful for beginners when searching for the context of the use of certain Ukrainian words [20].

It is worth focusing on audio recordings and videos as a practice for listening and perceiving the language. On the basis of modern textbooks, auxiliary digital resources are increasingly being created – audio for listening and further performing exercises, and less often video materials. However, we consider the creation of sites for self-study of Ukrainian, the video materials of which can be used from the first steps of mastering the language, to be a promising idea.

An example can be the already existing platform Ukrainian Lessons [21]. Its author, G. Ogoyko, invites everyone who wants to start learning Ukrainian, improve their language skills and discover Ukrainian culture for themselves. This website makes the process of learning the Ukrainian language easy, accessible and interesting for foreigners, offering a variety of free educational materials. The site features podcasts, texts, and blogs aimed at both beginners and those seeking to improve their knowledge. The interactive platform allows students to choose the language proficiency level that best suits their needs: from Beginner to Elementary to Advanced.

The teaching materials consist of audio episodes, thematic blogs and are accompanied by multimedia elements: music, video, pictures. Each lesson is divided into four parts:

1. Dialogue or text in Ukrainian (for example, "At the grocery store").
2. Explanation of grammar in English (for example, rules for using the genitive case based on vocabulary from the dialogue).
3. Practical exercises to consolidate the material.
4. Cultural information that introduces students to traditions, customs and speech etiquette.

For convenience, the lessons are available on popular platforms, such as Apple Podcasts, Spotify, Google Podcasts, etc. New audio lessons are published every week, helping students improve their listening, pronunciation, intonation and expand their vocabulary. In addition to language aspects, the site provides an opportunity to get acquainted with the history of Ukraine, its cultural traditions, national holidays and other interesting topics.

A special feature is the presence of modern and folk songs with translations, which are posted on the blog, as well as transcripts of audio recordings, which contributes to better assimilation of the material. Thanks to the integration of various methods and approaches, this resource turns the process of learning the Ukrainian language into an exciting journey, helping students not only to master the language, but also to better understand Ukrainian culture. As for video materials, for this purpose we consider it appropriate to refer to the lessons that are freely available on the Youtube platform by the interactive online courses in the Ukrainian language "E-Mova" [22]. In our opinion, video explanations of the first topics of the course are appropriate. The lessons are designed for users who speak Russian but want to speak Ukrainian. However, the first topics are also great for beginners (of course, with comments and help from the teacher). The course begins with an explanation of sounds, pronunciation rules for vowels and consonants. And this is a great example of audio and video perception for beginners. The first topics will also be useful for foreigners in mastering basic vocabulary: Lesson 4. Getting to know each other, or What's your name?;

Lesson 5. Greetings. Addresses. Etiquette formulas; Lesson 6. Time and period. Months; Lesson 7. Weekdays and weekends; Lesson 8. Weather; Lesson 9. My family; Lesson 10. My profession.

As an educational language course, you can refer to useful videos that can be found on the Youtube channel "Ukrainian Spelling Trainer" [23]. In particular, the videos, created by the authors about the Ukrainian literary pronunciation of vowels and consonants, are very apt. Special attention is paid to the letters and sounds [ґ], [и], [і], [ї], [ї], [и] and others.

Free educational course "MovTy" [24] is located on the basis of the educational portal "EdEra" [25]. The course is aimed at studying the Ukrainian language, finding motivation to overcome the language barrier and start speaking Ukrainian. Also, on the basis of the "EdEra" platform, students will be able to expand their knowledge of Ukrainian culture by learning more about Ukrainian holidays and traditions such as: "Know your Ukraine. Kupala"; "Know your Ukraine. Christmas", etc.).

Video materials are presented on Youtube by the authors of the project "Discourse" [26]. In short stories, the authors of the project draw attention to important rules of speech, use of vocabulary, accents, etc. They discuss typical lexical and grammatical errors. They give apt examples of synonyms, antonyms, or paronyms. They share tips on how to remember words and phrases.

The use of Internet resources opens up numerous opportunities in the educational process, significantly facilitating the work of both the teacher and the students. They allow you to create more interactive and diverse learning, making the material more accessible and understandable. However, it is important for the teacher to clearly explain to students that these services are auxiliary educational tools that contribute to the educational process, and are not intended solely for entertainment. The correct use of such resources helps to increase the effectiveness of learning and promotes the development of critical thinking in students.

We are talking about an integral attribute of learning – simulators. A great example is the "Ukrainian Spelling Trainer" [27], a convenient resource for learning and mastering the language with a large number of tasks for self-testing, the rules are accompanied by video lessons, as well as numerous online exercises. This trainer combines theoretical knowledge with practical tasks, which allows users to effectively master the grammar of the Ukrainian language and improve spelling skills. The interactive format of the tool allows not only to familiarize themselves with the spelling rules, but also to consolidate them through practical exercises. This contributes to the development of literacy and increases accuracy in written speech, helping users confidently apply knowledge in practice.

"Liveworksheets" [28] is a platform that allows you to create interactive worksheets in any language. It has a large number of ready-made interactive materials on various subjects, and therefore it can rightly be considered a good simulator.

Such interactive worksheets make full use of modern educational technologies, in particular, they can include audio, video, exercises with dragging elements, combining using arrows, choosing options, etc. This resource allows teachers from various fields to "revive" traditional printed materials, turning them into interactive ones. It also integrates well with other web resources, which simplifies the work of teachers.

A good assistant in learning the Ukrainian language will be the educational platform "Discourse" [29], which was created to help everyone who wants to learn the Ukrainian language conveniently, interestingly and effectively.

You can easily check the level of mastery of the learned material in the form of a game using the free online service "Kahoot!". With its help, you can create and conduct various interactive classes that allow you to check the knowledge of students through online testing. This tool allows you not only to assess the level of knowledge, but also provides students with real-time feedback, which contributes to more effective assimilation of the material and active involvement in the learning process.

Finally, a great project for everyone who wants to improve their knowledge of the Ukrainian language is "Language – DNA of Nation" [30]. It offers effective learning tools that allow you to improve your language skills through interactive exercises, tests and various materials, adapted for different levels of knowledge. Such a simulator will become an indispensable assistant for those who want to master the Ukrainian language more deeply and increase their literacy level. On the basis of this platform, it is easy to check the spelling of words and, very importantly, the correct stress when pronouncing a particular Ukrainian word.

However, I would like to dwell in more detail on online resources for advanced levels of Ukrainian language proficiency (at least starting from level A2). Starting from this level of proficiency, students have more opportunities and more interesting and useful resources. Such platforms are suitable for learning the language independently by foreigners, but are not suitable for the initial level (the use of such resources will have a positive result provided that the teacher supports and comments).

For an advanced level, language courses on online platforms are well suited. In Ukraine, a number of specialized information resources for learning the Ukrainian language have been created, available to everyone. At the same time, online educational platforms have gained considerable popularity, offering both basic courses for mastering the language and programs for improving speech culture. Such platforms allow you to study remotely, without having to leave your home, and most often provide access to materials for free.

We focused on those educational resources that are in the open access and aimed at supporting self-development. They combine an interactive learning format with modern methods of presenting the material, making the process of learning the Ukrainian language effective and convenient for different categories of users.

There are many useful platforms for learning the language on your own. For example, the largest online professional development platform in Ukraine, Prometheus [31], hosts the course "Ukrainian in 27 Lessons" [32].

The elementary level program for studying the Ukrainian language is designed to maximally promote the development of students' communicative skills, ensuring their ability to effectively use the language in various life situations and areas of communication. The course is aimed at a wide audience, in particular, those who in everyday life or at work mostly use Russian, but seek to increase their level of proficiency in Ukrainian, improve the level of everyday Ukrainian speech.

The course consists of video lessons and summaries for them, intermediate test exercises and a general test, the material of which corresponds to the elementary level of knowledge, skills and abilities (A1, A2).

Each lesson within the course is aimed at mastering the key lexical minimum, associated with a certain topic, as well as detailed study of one of the grammatical topics. The training is structured in such a way as to ensure systematic mastery of the material, contributing to the formation of solid knowledge, practical skills and speech skills.

After watching each video lesson, participants must complete an intermediate test consisting of several questions. This allows you to check the level of understanding of the presented material and consolidate

the acquired knowledge. This approach helps to identify possible gaps in learning in a timely manner and immediately eliminate them.

At the end of the course, a final control test is provided, which assesses the overall progress and level of acquired knowledge. Successful completion of this test makes it possible to receive an official certificate indicating the level of language proficiency, achieved during the course. This certificate can become not only evidence of your language skills, but also an additional motivator for further development and improvement of knowledge.

The lessons include such necessary basic topics as: My family; My profession; Appearance. Outlook. Clothes; My home. Apartment. Accommodation; Food and cuisine; Transport; Hobbies and leisure; State and religious holidays in Ukraine, etc.

Another educational project “E-Mova” [33] is an educational platform of the public organization “Ukrainian World”, which aims to create a Ukrainian-language cultural space. These are “Free Ukrainian Language Courses”, which involve the best philologists of the country in teaching and have developed effective methods of teaching Ukrainian to Russian speakers. The online platform is also primarily aimed at Ukrainians who speak Russian. However, it can also easily be useful to foreigners who have a basic level of Ukrainian.

This platform has a number of courses on both studying and popularizing the Ukrainian language. Among them, we would like to highlight the course “22 Lessons to Language Confidence”. This is the second online course on learning the Ukrainian language, which corresponds to the so-called threshold level (B1), which determines the necessary level of language proficiency for applicants to be able to confidently and effectively communicate in everyday situations as independent users of the Ukrainian language. The course is aimed at those who want to not only expand their vocabulary, but also gain practical skills for using the Ukrainian language in real life.

This training will be a great opportunity for anyone who wants to overcome the language barrier, improve their conversational skills, learn to communicate correctly and confidently in Ukrainian in various social and professional situations. The course allows you to achieve a high level of communication and contributes to a deeper understanding of the grammar and vocabulary of the language, providing the opportunity to use Ukrainian more flexibly in everyday conversations.

Each lesson consists of a short video presentation, a summary, creative exercises and tasks according to the topic of the lesson, additional materials for better immersion in a specific topic and the Ukrainian-speaking environment, and an intermediate test to check understanding of the material and consolidate knowledge, skills, and abilities.

The materials of these platforms can be used in classes (video) as auxiliary material, also as additional material – homework (watching a video or completing a block of exercises on each topic), or as recommended material for independent deepening of the acquired knowledge.

Educational language hub “Modern Ukrainian Language” [34]. This course provides you with the opportunity to gain theoretical knowledge of the Ukrainian language and significantly improve your skills in using it, based on current spelling. The materials, used in the curriculum, were taken from reliable Internet resources, dictionaries, reference books, as well as from the experience of qualified experts in the field of linguistics.

The advantage of this educational product is that it allows you not only to learn or repeat the basics of the Ukrainian language, such as sounds, letters, spelling and punctuation, but also to study innovations in spelling, which allows you to be aware of the latest changes.

The course consists of three main modules, each of which covers key aspects of the language:

1. Language and speech – basic concepts and rules that will help you understand how to use the Ukrainian language correctly in different situations.
2. Spelling – an emphasis on current changes in spelling, which is important for correct written and oral communication.
3. Business Ukrainian – this module covers specialized language structures, used in the official business style.

In each module, you will meet characters who, thanks to their knowledge and skills, achieve their goals on the path to mastery of the Ukrainian language.

The course “Life hacks of the Ukrainian language” [35], created in collaboration with the EdEra and Osvitoria projects, is a great helper for learning the Ukrainian language by foreigners at an advanced level. Each life hack lesson offers worksheets with tasks to test knowledge, as well as tests to consolidate the material. For pronunciation training, the course includes a large number of tongue twisters that help polish speaking skills. In addition, mnemonic prompts are used to facilitate memorization of rules, which makes learning more effective and interesting. We also consider it advisable to use podcast platforms. Listening to podcasts is an excellent tool for developing one of the key speech skills – listening, that is, the perception of speech by ear. Thanks to podcasts, you can significantly improve the ability to understand live speech in real conditions, including various accents, intonations and styles of speech. The language, used by podcast hosts, is usually lively, everyday. In such a language, the student hears not only a lot of new vocabulary, but also slang, fixed expressions, modernisms, etc.

In addition, regular listening to podcasts helps to improve one’s own pronunciation, because it allows you to immerse yourself in the language environment and master the natural intonation, rhythm and sound features of the language. Podcasts are a convenient and effective way of learning, which helps not only to assimilate new information, but also to practice the language at any time and in any place.

The initial purpose of podcasts is entertaining and cognitive. In particular, there are many podcasts about modern Ukrainian music, literature, culture, etc. While listening to such podcasts, students simultaneously practice audio perception of the language and learn a lot of relevant information about the country of study.

To understand what a podcast is, let’s turn to the interpretation of the word. A podcast (a portmanteau of the words iPod (device) and broadcast) is a series of audio files that are linked by a specific idea and are distributed over the Internet. They are conversational programs that can resemble a radio show, lecture, debate, interview, or simply a conversation. Each episode of a podcast can offer a specific topic or have the format of a regular conversation. Podcasts often also have a video format, but in this case the video plays a secondary role and is not necessary for understanding the program [36].

Listening to podcasts is a great way to develop one of the most important language skills – listening, or auditory comprehension. With their help, it is easy to learn to understand live speech, as well as improve your pronunciation.

The undoubted advantage of podcasts is that they provide the opportunity to independently choose what, when and where to listen. You can listen to podcasts at a convenient time for you, without being tied to the broadcast schedule or programs. You can stop the recording, rewind or fast forward, and also select the desired season or episode. Podcasts can usually be listened to on various devices, including smartphones, tablets, computers and portable audio players, which provides easy access to content. Another advantage is the variety of content. The choice of podcasts covers a wide range of topics: news, educational programs, entertainment shows, interviews with specialists, audiobooks, etc. Everyone will find something to their liking. At the same time, listening to podcasts can be combined with other activities, for example, on the go, during training or cooking. We consider the main advantage of podcasts to be their affordable cost. Most podcasts are free or partially free. Authors often offer exclusive content for a subscription, which helps support the development of their projects.

A huge number of Ukrainian-language podcasts on any topic are presented on the platform “NV Podcasts” [37]. It collects the best Ukrainian podcasts about business and economics, politics, music and literature, psychology and culture. Another platform is “Radio Podil” [38]. This is the first independent Ukrainian-language podcast community, which talks about the development of civil society, “decent entrepreneurship”, practical culture and technology.

However, when talking about mastering the Ukrainian language, it is appropriate to start with podcasts that were created specifically to help the listener master Ukrainian, or improve their level of proficiency in it.

“Ukrainian Lessons podcast” [39]. This podcast is essential for anyone learning Ukrainian. It covers the main language aspects – both grammar and vocabulary. Ukrainian Lessons Podcast has two main parts – Ukrainian and English. In the first part, native speakers communicate, and in the second, Ukrainian teacher A. Ogyko provides an explanation of what was said in the Ukrainian part.

The podcast has six seasons, and each subsequent one is more difficult than the previous one. The first season is intended for beginners with no knowledge. Seasons 2 and 3 focus on elementary and intermediate levels. Seasons 4–6 are conducted entirely in slow Ukrainian and cover various topics related to the Ukrainian language, history and culture (with a detailed consideration of vocabulary, grammar and pronunciation exercises).

A podcast, created for learning the Ukrainian language, “5 Minute Ukrainian” [40]. The resource is focused on the practical study of spoken Ukrainian. It offers a concise format of realistic dialogues that highlight typical everyday situations, such as ordering coffee, meeting someone, or reserving a table at a restaurant.

The series is packed with useful vocabulary tips and key grammar points, making learning simple and clear. It's like having a personal tutor who helps you master the Ukrainian language and confidently navigate various life situations.

Podcast “Ukrainian Language” [41]. The author of the podcast, Ukrainian host V. Dyachenko, has created a unique format for improving language skills, focusing on common speech errors and ways to avoid them. In each episode, he analyzes typical mistakes, made by both beginners and experienced speakers, offering simple and effective methods for correcting them.

The podcast is aimed at daily enrichment of the vocabulary of listeners with interesting words, phrases and useful exercises that will help not only confidently speak Ukrainian, but also impress even those for

whom this language is native with their knowledge. The episodes are created in such a way as to integrate language learning into everyday life, making the process easy, enjoyable and effective. The short duration of the episodes, lasting from 1 to 5 minutes, makes it easy to remember the correct pronunciation of words.

For foreign students with a more advanced level of proficiency, the following podcasts will be relevant:

- “Movapodcast” – a podcast about correct accentuation, word usage;
- radio blog “Simply about the language”. This educational project will help to understand the rules of the Ukrainian language. Its author and host Svitlana Svyrydko addresses the most relevant issues of spelling and pronunciation of words;
- “Again about the Language” – a podcast that covers many sensitive topics about the language;
- podcast “Michelangelo’s Borscht”. A podcast not only about the language, but also about history and culture, which introduces listeners to important historical events.

Podcasts of an entertaining nature will be useful at the intermediate stage of language learning. In parallel with the language, the student is offered to study culture, history and get acquainted with the art of the country. Podcasts on scientific and general topics of an entertaining nature will also be of interest, for example, with film reviews. In an interesting format, the student learns about cinema news and whether it is worth watching this or that film. The information is useful, and therefore it is perceived easier: not as training, but as leisure. In such a context, the language is perceived easier from a psychological point of view – you do not have to learn something new, master the rules, or understand complex information. Information is absorbed naturally, the content is easier to understand, even without having a sufficient vocabulary, and, most importantly, there is a natural interest in understanding what I hear.

Podcast about art “Snobs” [42]. This is a fascinating audio project that immerses listeners in the world of culture and creativity. Each season has a unique theme that allows you to explore art from a new, unexpected perspective. This is a kind of journey that helps to understand the connection of art with society, history and modernity more deeply.

One of the key topics is stories about outstanding Ukrainian artists. The authors of the podcast introduce listeners to the wealth of Ukrainian cultural heritage, emphasizing its significance for world art. Separate episodes are devoted to lively dialogues with contemporary Ukrainian artists. These conversations address issues related to the development of creativity, cultural identity, challenges facing artists, and their role in the transformation of society.

“On Clear Water” [43] is a podcast about the most famous historical myths, fantasies and hypotheses in the history of Ukraine from ancient times to the present day. The author and host of the project is the historian, musician and military man P. Nechytaylo.

Special attention should be paid to the author’s popular science radio show by M. Kidruk “The Theory of Improbability” [44]. This is an entertaining and at the same time informative scientific radio blog that will debunk the most common scientific myths and stereotypes in popular culture. Each episode is dedicated to a separate topic covering science, culture or aspects of everyday life. It explores the widespread ideas and stereotypes that are formed around these topics.

The author uses the results of scientific research, experiments and hypotheses of famous scientists to analyze the truthfulness of these stereotypes. The program is aimed at debunking myths, assessing

the scientific validity or pseudoscientificity of popular beliefs, as well as introducing real, sometimes little-known or unexpected scientific facts and forecasts.

A good example of additional educational resources during extracurricular time can be YouTube channels. Many of them were created to help and interest students in Ukrainian schools. The content of such channels is usually scientific, on a certain topic or field. However, the material is presented concisely, interestingly, and, most importantly, in competent literary Ukrainian.

Let's start with channels whose content revolves around the Ukrainian language. As an example, there is the philological YouTube channel "Idea Oleksandrivna" [45]. The author of the channel is a philologist who tells interesting and unusual things about language and literature. However, as she says: "Philology is not only about memorizing rules or teaching at school. It is a state of mind that I really want to share with people". So, on the channel you can find videos about Ukrainian dialects, about *haivka*, and about pre-Christian traditions.

We consider the YouTube channel "Life hack in Ukrainian" [46] to be informative and interesting. This is a unique project of the TV channel "Social. News", created for everyone who wants to improve their knowledge of the Ukrainian language and improve their speaking skills. The project offers game plots lasting from 6 to 16 minutes, which in an easy and interesting way help to get rid of *surzhyk*, pronounce and use words correctly, place accents in accordance with the norms of the Ukrainian language, and replace obscene vocabulary with sophisticated Ukrainian swear words.

A feature of the course is practical examples of using language tools in everyday life. For example, you will learn how to properly greet, say goodbye or express emotions using the rich vocabulary of the Ukrainian language. To improve your command of the Ukrainian language and culture, you can use such stories as "How to replace foreign words with Ukrainian ones?", "Ukrainian analogues of foreign words", "Don't miss the letter *І*", or "How to say thank you nicely?".

The project consists of 39 episodes, which, although created more than four years ago, remain relevant and useful. Their content is aimed at popularizing the culture of Ukrainian speech and developing language literacy among viewers.

Another educational YouTube channel is "Interesting Science" [47]. The authors of this channel translate and voice over popular science and educational video materials covering a wide range of topics related to physics, astronomy, biology, geography, and mathematics. They adapt the content of foreign sources for the Ukrainian-speaking audience, creating accessible and understandable materials that help viewers delve into complex scientific phenomena and concepts.

The main goal of this channel is to increase the level of scientific literacy among Ukrainian-speaking viewers. Thanks to their activities, people who seek to receive high-quality educational information in their native language have the opportunity to expand their knowledge in various fields of science. The authors are convinced that the popularization of science in the Ukrainian language contributes to general cultural development, forms critical thinking and helps the audience better understand the world around us.

YouTube channel about astronautics, astronomy and space exploration in general is "Alpha Centauri" [48]. This channel offers not only translations of English-language materials, but also original author's videos, created by a team of enthusiasts. The content covers a wide range of topics, providing viewers with a unique opportunity to receive popular science information in an accessible and interesting format.

In addition, the channel is a platform for broadcasting key events in the world of astronautics, in particular spacecraft launches. Such live broadcasts allow viewers to follow the most important moments in real time, receiving additional comments and explanations from experts. This makes the channel not only a source of knowledge, but also a space for discussing current events and achievements in the field of science and technology.

"Around botanics" [49] is a channel, hosted by Candidate of Biological Sciences O. Kovalenko. On his channel, the author and host of the project talks about various interesting moments of the biological world, destroys myths and simply explains the unobvious.

"The Damned Rationalist" [50] is a video blog, the author and host of which is Artem Albul. The project creates popular science content – popularizes science, debunks myths, challenges pseudoscience and common but erroneous ideas about reality, promotes a scientific worldview, develops critical thinking and tells Ukrainians about the latest achievements. As evidence of his words, the author creates video stories, including videos with proven life hacks and interviews with famous scientists.

The host masterfully speaks literary Ukrainian, presents the material consistently, interestingly and, importantly, at an optimal pace for auditory perception. Therefore, the content of the stories will be accessible for understanding (at least partially) even for foreigners who are in the middle of mastering the Ukrainian language.

As extracurricular materials, we will add entertaining YouTube channels, or a number of video shows that can be viewed on YouTube, such as culinary ones. They are easier to understand. For example, the names of products and dishes in different languages are very similar.

A good example is the YouTube channel of Ukrainian chef Ye. Klopotenko [51]. In video broadcasts on his channel, the host popularizes Ukrainian dishes in order to strengthen the status of Ukrainian cuisine in the world. On the chef's channel, you can watch the process of cooking dishes, which is usually accompanied by comments from the author. Therefore, there is an opportunity to hear real live language, and to understand the meaning of unfamiliar words (names of certain products in Ukrainian) through visualization. The video contains a lot about Ukrainian culture, history, and the habits of ordinary Ukrainians. Ye. Klopotenko's mastery of the Ukrainian language can be useful for practicing listening to Ukrainian.

Travel shows are always relevant for viewers. The first place among Ukrainian Youtube channels is occupied by "Ukrainer" [52]. According to the channel's authors, their channel is a platform for truthful information about Ukraine in different languages. The uniqueness of this project for those who are trying to master the Ukrainian language is that in some video projects you can hear Ukrainian dialects and surzhyk. Of course, watching such videos is recommended for the level of increased difficulty. However, hearing Ukrainian in its various manifestations will be interesting even for beginners.

An entertainment show, aimed at improving your Ukrainian language skills, is "Improve Your Ukrainian | Nightingale Show No. 1" [53]. A Nightingale show that demonstrates that learning Ukrainian is not only cool, but also very fun. The project hosts show the importance of knowing Ukrainian in the form of a competition between two invited famous media people of Ukraine.

In addition, in our opinion, there are many Youtube channels that can also be useful when learning the Ukrainian language.

For example, the Youtube channel “Cinema inside out” [54] offers viewers entertainment content. The host gives reviews of old and new films or TV series in an interesting way, telling about interesting details of the creation, or expressing his opinion on whether the film is worth watching. A good level of proficiency in the speaker’s language, a rich vocabulary and appropriately selected material of each issue should interest the student, and therefore it will very easily become desirable for viewing in extracurricular time.

The network and various Internet resources provide enormous opportunities for education and self-development. These include numerous e-books, articles, online services, webinars, lectures, trainings, online quests, AR applications and much more. It is thanks to the digitalization of the world that teaching has the opportunity to use progressive methods and techniques that are truly impressive and help to interest students.

Below we have listed the names of some platforms, on which you can listen to books in audio format:

- “Interesting audiobooks in Ukrainian” [55];
- Audiobook site 4read.ORG [56];
- The best library with audiobooks in Ukrainian [57];
- Listen. Library of audiobooks in Ukrainian [58];
- Sluhay.com [59];
- ABUK – the first Ukrainian audiobook store [60];
- Audiobooks in Ukrainian Studio Kalidor [61].

We would like to include courses, specially designed for studying the Ukrainian language by foreign students in a separate group.

English course “Speak Ukrainian: Expert Online Teaching for All Levels” [62]. On the basis of this platform, foreigners can study the Ukrainian language in English. You can also take a test to determine the level of language proficiency here, as well as a free introductory mini-course “Your First Small Talk in Ukrainian” [63].

The national platform for studying the Ukrainian language for English speakers is “Speak Ukraine” [64]. This is a site, created for English-speaking citizens, which has a very deep methodology, 9 types of exercises, and levels of study A1-B2.

“Ukrainian Lessons Podcast” [65] has two main parts – Ukrainian and English. In the first part, native speakers communicate, and in the second, Ukrainian teacher Anna Ogoyko provides an explanation of what was said in the Ukrainian part.

All the electronic resources discussed above are easy to use, accessible, and play an important role in the process of learning the Ukrainian language. As researchers note, the use of open electronic resources implements the principles of accessibility, individualization, visibility, awareness, and activity [66].

8.4 RESEARCH ON THE RESULTS OF THE IMPACT OF USING ADDITIONAL EDUCATIONAL INTERNET RESOURCES IN THE PROCESS OF LANGUAGE TRAINING OF FOREIGN STUDENTS ON THE EFFECTIVENESS AND QUALITY OF THEIR UKRAINIAN LANGUAGE MASTERY

The use of additional resources when studying the Ukrainian language by foreign students affects their significant progress in learning. Since one of the key topics is the effectiveness of using additional

educational internet resources when studying the Ukrainian language by foreign students, a comprehensive study was conducted to assess this impact, the results of which demonstrated that the introduction of such resources into the educational process significantly increases students' progress in learning the language.

A study was conducted, the main goal of which was to determine the impact of using additional educational Internet resources on the quality of mastery of the Ukrainian language by foreign students. In particular, the study was aimed at comparing the results of students who actively used additional materials from the Internet in extracurricular time with those who were limited only to classroom activities and teaching materials.

Research methodology. The study involved 40 foreign students from different countries who studied Ukrainian remotely at Ukrainian universities and at language courses. The sample was divided into two main groups:

1. Group A (experimental) – students who actively used additional Internet resources, such as podcasts, interactive platforms, online courses, video lessons on YouTube, mobile applications for language learning, etc.
2. Group B (control) – students who used exclusively materials, provided by teachers and studied only during classes.

The study lasted six months. Both groups took the same basic Ukrainian language course, but group A had access to recommended additional Internet resources and was encouraged to use them outside of class.

Three months later, an interim test was conducted, which demonstrated that students in group A showed significant progress in listening skills and text comprehension. The language barrier disappeared, and the lexical base increased significantly. At the same time, in group B, such indicators remained at the same level, which indicated a lower dynamics of learning the material. At the end of the course, both groups passed a final exam, which included a comprehensive test of grammar and vocabulary knowledge, writing an essay on a given topic, and an oral interview with teachers.

Research results. The results showed a significant difference between the two groups:

- group A showed an average of 30% higher results than group B in tests of vocabulary and grammar knowledge;
- students in group A achieved significantly better results in listening and understanding authentic texts;
- oral skills in group A were more developed: their answers were fluent, rich in vocabulary and grammatically correct;
- essays, written by students in group A, were distinguished by a better structure, variety of expressions and accuracy in the use of language structures.

Results analysis. The use of additional Internet resources allowed students in group A to constantly be in a language environment, which significantly accelerated the memorization of new words and grammatical structures. Simulators contributed to regular consolidation of knowledge through interactive tasks.

Podcasts and video lessons helped students get used to different accents, speech rates and real-life situations, which significantly improved their listening skills. Listening to audio materials provided greater confidence in communication.

Additional resources provided interest and variety, which increased students' motivation to learn. Feedback from the platforms and the interactive nature of the tasks contributed to their involvement in the process.

Thus, the study confirmed the effectiveness of using educational online resources as additional materials in learning the Ukrainian language by foreign students.

8.5 DISCUSSION OF THE RESULTS OF SECTION 8

Analyzing current trends in the study of the Ukrainian language, it can be safely noted that today there is an extremely wide selection of electronic resources that contribute to both mastering and improving language skills. These resources cover various forms of learning, from interactive platforms for children to in-depth courses for adults.

The trend towards an increase in the number of such tools is obvious, especially in the system of non-formal and informal education. Every year, new author's online projects, specialized platforms, mobile applications and interactive lessons appear. Language schools are actively adapting their programs to the demands of modern society, offering convenient and effective learning formats that take into account the dynamics of life.

The use of Internet resources creates favorable conditions for the training of foreign students. This provides access to a variety of educational materials and Internet resources, such as interactive lessons, multimedia textbooks, audio and video resources, as well as online tests to consolidate knowledge. The outlined tools contribute to the effective acquisition of vocabulary and grammar, the development of listening, reading, writing and speaking skills.

A special role is played by platforms for self-study, which allow students to study at a pace convenient for them, choosing topics according to their interests and level of knowledge. Online services provide an opportunity to learn the Ukrainian language through realistic situations, immersing students in the cultural context and helping to better understand the language through practical application.

Studies have shown that students who are not just motivated to learn the language, but who, in their extracurricular time, turn to a number of the above-listed educational online resources and platforms, make significant progress and master the Ukrainian language noticeably better and faster than those foreigners who are limited only to materials and class time.

Thus, additional online resources not only increase the effectiveness of foreign language training, but also stimulate students' motivation to study, making the process of learning the language interesting and exciting. And the Internet, in turn, is becoming an indispensable tool for forming high-quality foreign language competence and creating new opportunities for integrating students into the educational and cultural space of Ukraine.

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