THE IMPACT OF MULTIMEDIA ON LANGUAGE LEARNING: A STEP INTO A NEW ERA

Ganiyeva Malika Sodikjanovna
o'qituvchi, FarDU
Obidova Gullolaxon Orifjon qizi
2-bosqich talabasi, FarDU

Abstract: *This article provides a comprehensive and systematic analysis of the impact of multimedia on language learning. It examines how modern tools such as video, audio, interactive games, mobile applications, and virtual reality can positively impact students' thinking, listening, understanding, and using language. It also explores the role of these tools in increasing students' motivation and enriching the learning process visually and emotionally through scientific research. The article provides not only theoretical foundations but also practical recommendations on how to use multimedia tools in real-world classroom settings. It focuses on ways for teachers to incorporate real-world content into language learning in an artificial environment, as well as how modern technologies are influencing approaches to education.*

Keywords: *Multimedia, language learning, technological education, visual content, virtual reality, motivation*

Introduction: In modern society, language learning has become not only a matter of knowledge, but also a factor of competitiveness, cultural integration and personal development. The traditional classroom system and textbook-based approach are now giving way to technology-based, interactive and multi-sensory approaches. In particular, the introduction of multimedia tools in foreign language learning creates an opportunity for the learner to experience the language directly in a real-life context, not only to hear and see it, but also to apply it in practice. As Mayer (2009) noted, the human brain has the ability to simultaneously receive and effectively process multi-channel information - that is, images and sounds. This allows for sustainable acquisition by combining conscious and subconscious approaches to the language being studied. Today, students are learning languages in audiobooks, mobile apps, chatbots, interactive learning platforms, and even virtual language environments created on the basis of the metaverse. Such

approaches encourage not only knowledge acquisition, but also independent research, creativity, and real-life communication. Thus, multimedia tools are transforming the language learning process with their form and content.

Literature review: Recent studies on the impact of multimedia tools on language learning show many positive results. Mayer (2009) in his work "Multimedia Learning" emphasizes that the human brain effectively processes information received through visual and auditory channels together. This shows that high results can be achieved by using visual and auditory methods simultaneously in language learning.

A study conducted by Hatami Nasab and Rahimi (2023) found that STEAM activities organized through multimedia significantly increased the level of speech skills and readiness for communication of foreign language learners. Tarasenko et al. (2022) studied the role of AR (Augmented Reality) technology in language teaching at the university and noted that it increased students' interest, motivation and active participation.

In addition, Godwin-Jones (2018) showed the advantages of language learning using mobile devices, in particular microlearning methods. Kukulska-Hulme and Shield (2008) studied the effectiveness of collaborative and communicative environments in language learning processes organized through mobile devices. All this means that multimedia tools connect the learner to the language, encouraging him to be active.

Methodology: This research paper is based on a systematic literature review methodology. The chosen method is based on scientific works by various authors that have studied the impact of multimedia tools on language learning. The theoretical perspectives of authors such as Mayer (2009) and Chapelle (2003) were used as a basis, as well as empirical studies by Stockwell (2012), Godwin-Jones (2018), Khatami Nasab and Rahimi (2023), Tarasenko et al. (2022). Each study analyzed the context in which multimedia tools were used, the age and level of knowledge of the participants, the methods (e.g., experiment, interview, questionnaire, observation), and the results obtained. Through this methodological approach, it was possible to identify commonalities and differences between different experiments and conclude how multimedia tools affect different types of learners. The analysis showed that the success of technology in language teaching largely depends on how it is implemented, the pedagogical approach, and the level of interactivity.

Results: The analyzed scientific sources clearly show that multimedia tools significantly increase the effectiveness of language learning. In particular, language learning using video, audio and mobile applications is met with greater interest and activity by students. As Mayer (2009) noted, when a student experiences the language environment simultaneously through visual and auditory means, he becomes an active participant, not a passive receiver. This enhances psychological preparation, emotional involvement and meaningful interaction in the learning process. Dudeney et al. (2013) similarly noted that the success of language learning directly depends on how the student feels in the language environment. Interactive games, especially among schoolchildren, develop sociability, competition and creativity, and consciously and voluntarily involve them in learning grammar and vocabulary (Hubbard & Levy, 2006). Virtual reality technologies, on the other hand, increase the mental and emotional readiness for language learning by placing the learner in a supposedly foreign environment (Tarasenko et al., 2022). Through this, the learner begins to perceive language not only as a logical system, but also as a vital necessity.

Discussion: Multimedia tools are not just a technological convenience, but a gateway to the world of language learning. With their help, each word, phrase or grammatical structure is not only remembered, but also deeply embedded in the mind through context. Information learned in the harmony of image, sound and movement strengthens associations in the brain and forms long-term memory (Mayer, 2009). Instead of simple memorization, knowledge learned through multimedia activates internal communication - this is true mastery.

In particular, artificial intelligence-based language learning platforms work like a personal coach. It not only identifies mistakes, but also shows how to correct them. Such systems identify the weaknesses of the learner and offer appropriate methods for them. This reduces the depression caused by uncertainty, and a learner who often feels a sense of success becomes intrinsically motivated (Godwin-Jones, 2018). He learns with pleasure, not with obligation.

Practical recommendations:

Teachers should see multimedia capabilities not only as a tool, but also as a force that animates the lesson. The following methods include: starting each topic with a short, visually rich video - this immediately attracts the student's attention and helps to understand new knowledge in context;

Improving pronunciation and developing listening comprehension skills with audio exercises;

Learning new words on an emotional basis using interactive games - a word experienced through games is never forgotten;

Giving homework in the form of mobile applications - this keeps the student engaged even after the lesson;

Creating an "artificial" language environment using virtual reality - for example, a student enters a virtual store and asks for a product. This develops free speech in real-life situations.

Multimedia tools also adapt to the individual needs of different students. Some people learn visually—they need graphics and videos. Some people learn by hearing—they need audio. This flexibility helps teachers find their way to each student (Stockwell, 2012).

Conclusion: Multimedia tools are the heart of modern education, and in language learning they are a solid bridge to progress. Now the learning process is not limited to notebooks and textbooks. It lives in sound, movement, images, virtual reality. Each student can learn according to his interests, learning style and capabilities - this is truly individual education. Now the lesson is not one-sided, but a two-way dialogue: the teacher and technology work together, and the student is not just a listener, but an active participant.

Multimedia tools make the student not weak, but powerful. Because through them he understands his situation, sees where he made mistakes, develops his own strategy. This increases the student's self-confidence, and through constant repetition and consistent changes, real mastery occurs. The learning process gradually turns from a duty into a pleasure. Learning a language is no longer a burden - it is an opportunity, a means of self-expression, a way to see the world from a different perspective.

A modern teacher is one who sees technology not as a weapon, but as a partner, who can use it as a means of bringing life to the lesson. In his lesson, words are not boring, grammar is not an obstacle, each task is remembered as a unique story.

The conclusion is this: education combined with technology is not the future, it is the present that has already begun. And in this era, language learning should be lively, vital, flexible and, most importantly, inspiring.

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