

## ADVANCING CHINESE LANGUAGE TEACHING THROUGH INNOVATIVE TECHNOLOGIES



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**Abstract.** *In the contemporary global context, China and Central Asian countries are not only neighboring countries, but also economically and politically interdependent partners. The mutually beneficial nature of their cooperation is evident, and consequently, there is an emerging demand for specialists proficient in Chinese. The primary objective of this article is to describe and utilize pedagogical technologies that enable educators to achieve the desired educational outcomes for students learning Chinese. The article presents information technologies, including modern teaching tools that play a leading role in the development of communicative competencies of students in the practice of teaching Chinese in Central Asian countries.*

**Keywords:** *Chinese language teaching, innovative educational technologies, mobile applications, educational applications, learning strategies.*

### Introduction

The importance of teaching Chinese in Central Asian countries has increased in recent years due to China's growing global influence, economic power, and cultural reach. The People's Republic of China is the world's second-largest economy and a major player in international trade, investment, and infrastructure projects, including the Belt and Road Initiative. Learning the Chinese language offers opportunities for business, trade, and employment. Proficiency in Chinese is a valuable skill in industries such as finance, technology, diplomacy, and tourism, as it allows individuals to engage with Chinese companies, clients, and markets. In a global context characterized by increasing interconnectedness, proficiency in Chinese language and culture is instrumental in facilitating effective navigation of a multicultural world. Central Asian countries are currently engaged in a process of strengthening their diplomatic and political relations with China. The teaching of

the Chinese language plays a crucial role in fostering understanding and facilitating communication between governments, organizations, and individuals.

The process of acquiring proficiency in the Chinese language can entail a number of challenges. For a considerable number of language learners residing outside of China, access to immersive language environments is constrained, thereby impeding the development of their speaking and listening skills. The availability of resources for the study of Chinese is subject to variation based on the geographical location of the learner, with certain regions offering a more limited array of resources, such as native-speaking tutors or conversation partners. In the current academic environment, significant attention must be directed towards technologies that facilitate the identification of innovative pedagogical approaches for the instruction of the Chinese language. The integration of innovative technologies into the educational environment has the potential to enhance the dynamism and efficacy of the learning process. Innovative technologies, including interactive applications, gamification, and virtual reality, have the potential to enhance the engagement of students in the learning process. This increased engagement has been shown to lead to heightened motivation and interest in the language being studied. Technology facilitates the creation of personalized learning pathways, allowing students to progress at their own pace and focus on areas that require improvement. This, in turn, has been demonstrated to improve the overall learning experience. The advent of online and digital tools has engendered a paradigm shift in the realm of education, fostering collaboration among students from diverse backgrounds. This transformation has given rise to a global learning community, thereby enhancing cultural exchange. The following technologies have demonstrated the greatest potential in this regard.

The advent of innovative technologies has profoundly impacted the realm of Chinese language studies, particularly through the proliferation of sophisticated mobile applications. These applications have garnered significant popularity due to their distinctive characteristics, namely their originality, uniqueness, and novelty. Modern mobile devices are equipped with advanced features, such as high-resolution displays, ensuring the precise reproduction of visual media. This technological advancement has led to a paradigm shift in the manner in which we approach and study the Chinese language, making it more accessible and engaging than ever before. Students are in possession of their telephones at all times, which renders them perpetually accessible and readily utilizable. The utilization of mobile phone applications as an ancillary instrument to facilitate the acquisition of Chinese language skills is a remarkably uncomplicated and effortless endeavor. There are

numerous applications that can facilitate the learning process when studying Chinese.

**Pleco** is a dictionary application designed specifically for Chinese language learners. The application offers a number of features that make it an essential tool for language learning. Pleco provides extensive entries for Chinese characters, words, and phrases, making it an invaluable resource for translation and vocabulary building. Each entry includes audio clips of native speakers, helping users to learn proper pronunciation and tones. The app incorporates a flashcard system that enables users to create customized decks or utilize pre-made ones to reinforce vocabulary through spaced repetition. It offers a drawing-on-screen feature for searching characters, aiding learners in mastering character recognition. Additionally, Pleco provides example sentences for many entries, offering contextual usage that can aid in understanding how to use words correctly.

**HelloChinese** is a prominent language learning application that has been specifically designed to facilitate the learning of Mandarin Chinese in a manner that is both enjoyable and engaging. The application offers a structured curriculum with interactive lessons that cover speaking, listening, reading, and writing skills. In addition, the app includes games and challenges that make learning enjoyable and motivate users to practice consistently. Voice recognition technology is incorporated into the application to assist users in improving their pronunciation by providing instant feedback on their speaking skills. Cultural tips and context are also included, providing users with a deeper understanding of Chinese culture alongside their language learning. The app's curriculum encompasses a comprehensive range of vocabulary and essential phrases, catering to both beginner and intermediate learners. It facilitates the setting of daily study goals and provides reminders to ensure consistent learning routines. A notable feature of the app is its accessibility without an internet connection, allowing users to practice on the go. Additionally, HelloChinese offers forums and community features that facilitate connections among learners, thereby enhancing the learning experience.

**TrainChinese** is a mobile application designed to facilitate the learning of Mandarin Chinese through a variety of engaging methods. It offers a comprehensive flashcard system that assists users in memorizing vocabulary and phrases efficiently, utilizing spaced repetition for enhanced retention. The application includes structured courses that span different levels of language proficiency, making it suitable for both beginning and advanced learners. Additionally, it provides detailed explanations of Chinese grammar, helping users understand the complexities of the language. The app incorporates audio recordings by native speakers, facilitating the development of users' pronunciation skills. TrainChinese prioritizes learning

vocabulary in context, providing example sentences that illustrate the application of words in real-life scenarios. The app enables users to monitor their learning progress, set goals, and track their achievements over time, fostering continuous motivation.

The distinguishing characteristic of these applications is the originality of the information provided, which has been shown to pique students' interest and enhance their motivation to master the Chinese language. For instance, the renowned *Memrise* application offers a comprehensive array of features for studying Chinese, including Chinese grammar lessons, exam preparation, a dictionary, videos featuring native speakers, and games. The mnemonic feature of the application involves the study of Chinese characters with the aid of illustrative images, facilitating the rapid mastery of essential material. In contrast to *Memrise*, the *Skitter* application is designed to promote the accurate spelling of characters among students. The program incorporates well-known teaching aids for studying the Chinese language, such as flashcards featuring characters. The application's primary function involves writing a character on the phone screen.

The Chinese language is among the most extensive in the world. The active propagation of the Chinese language and the augmentation of language learners necessitate unceasing enhancement of its pedagogical technologies. Contemporary pedagogical technologies empower educators to attain a novel echelon of learning. The advent of the Internet has led to a marked increase in student engagement in the virtual environment, compelling educators to enhance pedagogical technologies to maintain students' motivation to learn Chinese. This involves interacting with objects in the virtual environment.

## Conclusion

Theoretical studies have demonstrated the considerable significance of modern pedagogical technologies in the educational process. These technologies ensure the careful selection and rational organization of educational materials, which, in turn, meet the needs of students and correspond to cognitive laws, thereby facilitating effective learning of the Chinese language. The following advantages have been identified in the presented technologies: enable educators to address educational challenges, provide supplementary material on the Chinese language, enhance the educational process, diversify educational resources, promote innovative technologies in higher education, optimize the educational process, establish an innovative educational environment. Firstly, it is essential to empower educators to utilize modern pedagogical technologies in their instructional practices. These technologies encompass contemporary learning design, innovative teaching tools, and advanced teaching methods, which collectively foster a comprehensive and

dynamic learning environment. By leveraging these technologies, educators can enhance the effectiveness of the educational process, optimize educational resources, and diversify learning materials. This approach not only ensures a comprehensive and engaging learning experience for students but also fosters a deeper understanding of the Chinese language and culture. Moreover, modern pedagogical technologies play a pivotal role in promoting students' positive outcomes in mastering the Chinese language. By facilitating in-depth study and ensuring the repetition and elaboration of critical concepts, these technologies contribute to a more profound and sustained engagement with the Chinese language and its rich traditions.

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