Enhancing Ninth-Grade Students' English Vocabulary Learning through an Integrated ChatGPT–Wordwall Model

This study explores the effectiveness of integrating ChatGPT and Wordwall to improve English vocabulary learning among ninth-grade students in a Vietnamese lower secondary school. In response to the limitations of traditional vocabulary teaching, which often relies on rote memorization, the study proposes a four-stage instructional model: contextualization using ChatGPT, game-based practice via Wordwall, AI-supported error analysis, and learner reflection.

Using a mixed-methods approach, the study examines both students' learning outcomes and their attitudes toward the new method. Qualitative findings reveal increased student engagement, motivation, and participation, as interactive Wordwall activities and instant feedback from ChatGPT created a more dynamic and supportive learning environment. Reflection activities further encouraged learner autonomy and deeper vocabulary retention.

Quantitative results indicate significant improvement in students' performance. Specifically, 86.79% of students achieved average or above-average results, with a mean score of 8.03 and a low failure rate of 2.30%.

The findings suggest that integrating AI and gamification provides an effective and practical approach to vocabulary instruction. This model not only enhances students' vocabulary knowledge and application but also aligns with current trends in digital transformation in education.

Keywords: ChatGPT, English vocabulary learning, integrated model, ninth-grade students, vocabulary learning enhancement, Wordwall

Author: ANH PHAM, Thuan

Presenter: ANH PHAM, Thuan

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