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# Bridging Theory and Practice in TESOL and TEFL: The Role of CALL, Gamification, and Curriculum Design in Developing English Language Competence

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## Abstract

The rapid evolution of educational technologies has transformed the teaching and learning of English as a Second Language (ESL) and English as a Foreign Language (EFL), creating unprecedented opportunities to bridge the longstanding gap between theoretical pedagogical frameworks and classroom practice. Traditional TESOL and TEFL methodologies have historically relied on teacher-centered instruction, grammar translation, and repetitive exercises, which often fail to address learners' communicative competence and real-world language application. CALL enables adaptive learning environments, personalized feedback, and authentic language exposure through multimedia resources, while gamification increases learner motivation, engagement, and persistence by incorporating game mechanics into educational contexts. Simultaneously, curriculum design serves as the structural framework that aligns learning objectives, instructional activities, assessment strategies, and technological integration to ensure meaningful learning outcomes. The findings suggest that integrating digital technologies with pedagogically sound curriculum design creates sustainable learning environments capable of improving both linguistic proficiency and learner autonomy, thereby offering practical implications for educators, curriculum developers, policymakers, and educational institutions seeking to modernize English language education.

**Keywords:** TESOL, TEFL, Computer-Assisted Language Learning, CALL, Gamification, Curriculum Design, English Language Competence, Educational Technology, Language Learning, Digital Education, Student Engagement, Technology-Enhanced Learning

## I. Introduction

English has emerged as the dominant language of international communication, scientific research, higher education, business, diplomacy, and digital innovation. As globalization continues to reshape economies and societies, proficiency in English has become an essential competency for students seeking academic success and professional advancement. Consequently, educational institutions worldwide have expanded TESOL and TEFL programs to equip learners with communicative competence rather than merely grammatical knowledge. Despite these efforts, many classrooms continue to struggle with translating theoretical instructional principles into meaningful classroom practice. This disconnect often results in students who possess theoretical knowledge of grammar and vocabulary but lack confidence and fluency in authentic communication [1].

The traditional approaches employed in many English language classrooms frequently emphasize memorization, teacher-centered instruction, and examination-oriented learning. While these approaches may improve short-term academic performance, they often fail to cultivate higher-order cognitive skills, collaborative learning, creativity, and communicative competence. Learners become passive recipients of information instead of active participants in constructing linguistic knowledge through meaningful interaction. Educational researchers have therefore increasingly advocated for learner-centered pedagogies that encourage exploration, problem-solving, experiential learning, and authentic language use within real-world contexts.

Technological advancements over the past two decades have significantly transformed educational practices across multiple disciplines, including language education. Computer-Assisted Language Learning has evolved from simple vocabulary drills into intelligent, adaptive learning ecosystems capable of supporting personalized instruction, multimedia learning, pronunciation assessment, automated feedback, virtual collaboration, and immersive learning experiences. These developments have enabled educators to create dynamic learning environments where learners actively engage with authentic language materials while receiving continuous formative assessment that supports individual learning pathways.

At the same time, gamification has emerged as an influential pedagogical innovation capable of enhancing learner motivation, engagement, persistence, and self-regulated learning. By integrating elements such as achievement badges, experience points, leaderboards, missions, collaborative challenges, and immediate feedback into instructional activities, educators can transform routine classroom exercises into highly interactive learning experiences. When carefully aligned with curriculum objectives, gamification encourages learners to participate consistently, practice language skills voluntarily, and develop greater confidence in using English across diverse communicative situations.

## II. Literature Review

The theoretical foundations of TESOL and TEFL have evolved considerably over the past several decades, reflecting changes in linguistic theory, cognitive psychology, educational technology, and instructional design. Early approaches such as the Grammar Translation Method primarily emphasized grammatical accuracy and literary translation, whereas later communicative approaches shifted attention toward authentic language use and interaction. Contemporary language education recognizes that effective learning requires balancing explicit language instruction with meaningful communicative experiences that foster linguistic competence, intercultural awareness, and learner autonomy [2].

Computer-Assisted Language Learning represents one of the most influential developments in modern language education. Initially developed as simple computer-based drill-and-practice software, CALL has gradually expanded into sophisticated digital ecosystems incorporating multimedia resources, adaptive assessment, speech recognition, artificial intelligence, virtual reality, mobile applications, cloud computing, and collaborative online learning environments. These technologies enable learners to practice language skills independently while receiving immediate feedback tailored to their individual learning needs. Numerous studies have demonstrated that CALL significantly improves vocabulary acquisition, listening comprehension, pronunciation accuracy, reading fluency, and learner motivation through interactive and personalized instructional experiences [3].

Gamification has similarly gained considerable attention within educational research because of its ability to influence learner motivation through intrinsic and extrinsic motivational mechanisms. Drawing upon theories such as Self-Determination Theory, Flow Theory, and Constructivism, gamification encourages learners to actively participate in educational activities by introducing meaningful challenges, measurable achievements, collaborative competition, and continuous progress tracking. Research indicates that students engaged in gamified learning environments demonstrate higher attendance rates, increased participation, improved task completion, greater persistence, and stronger emotional engagement than students taught through conventional instructional approaches.

Curriculum design serves as the connecting framework that integrates pedagogical theories with practical instructional implementation. Modern curriculum development emphasizes constructive alignment, competency-based education, authentic assessment, learner-centered instruction, and technological integration. Rather than viewing CALL and gamification as isolated technological innovations, contemporary curriculum designers increasingly consider them integral components of coherent instructional ecosystems. Such integration ensures that technological tools support clearly defined learning outcomes while simultaneously promoting critical thinking, collaborative learning, creativity, communication, and lifelong learning skills required for success in the twenty-first century.

## III. Bridging Theory and Practice in TESOL and TEFL

The central challenge in contemporary TESOL and TEFL education is not the absence of theoretical knowledge but the difficulty of transforming established theories into effective classroom practices. Language teaching theories provide valuable explanations regarding how learners acquire, process, and produce language; however, theories alone cannot guarantee successful learning outcomes without practical implementation strategies. Constructivist theories emphasize that learners actively construct knowledge through experience and interaction, while communicative language teaching highlights the importance of meaningful communication rather than isolated linguistic exercises. Bridging theory and practice requires educators to translate these principles into instructional

environments where learners can actively engage with language, receive feedback, and apply knowledge in authentic contexts.

Modern TESOL and TEFL frameworks increasingly recognize that effective language instruction requires a combination of cognitive, social, technological, and emotional dimensions. Cognitive theories explain how learners process vocabulary, grammar, and meaning, while social learning theories emphasize interaction, collaboration, and cultural exchange. However, traditional classrooms often struggle to provide sufficient opportunities for individualized practice and meaningful interaction due to limitations such as large class sizes, restricted instructional time, and standardized teaching methods. The integration of CALL and gamification provides practical mechanisms for overcoming these limitations by creating flexible environments where learners can practice language skills beyond classroom boundaries.

The relationship between theory and practice can also be understood through the concept of evidence-based teaching. Similar to data-driven approaches used in artificial intelligence and machine learning, effective language education requires continuous analysis of learner performance, identification of learning gaps, and adjustment of instructional strategies. In AI systems, models improve through iterative training and feedback cycles; similarly, language learners improve when educational systems provide continuous practice, assessment, and personalized guidance. CALL platforms support this process by collecting learning data, analyzing learner behavior, and delivering targeted activities based on individual strengths and weaknesses.

Curriculum design plays a critical role in ensuring that theoretical principles are effectively implemented within practical learning environments. A well-designed curriculum connects learning objectives, instructional materials, assessment methods, and technological resources into a unified framework. Instead of adding technology as an independent component, educators must strategically integrate digital tools according to pedagogical goals. For example, pronunciation applications should support speaking objectives, interactive simulations should enhance communication skills, and gamified vocabulary activities should reinforce lexical development. This alignment between theory, technology, and instructional design creates a sustainable model for developing comprehensive English language competence.

## IV. Computer-Assisted Language Learning (CALL) in English Language Education

Computer-Assisted Language Learning has transformed the landscape of English language education by introducing new possibilities for interaction, personalization, accessibility, and learner autonomy. Unlike earlier technology-based teaching approaches that primarily focused on repetitive exercises, modern CALL environments utilize artificial intelligence, natural language processing, speech recognition, and adaptive algorithms to create responsive learning experiences. These systems allow learners to engage with authentic English content, practice communication skills, and receive immediate feedback without depending entirely on classroom instruction. As a result, CALL has become a powerful bridge between traditional TESOL theories and contemporary digital learning practices.

One of the most significant contributions of CALL is its ability to support personalized learning pathways. In conventional classrooms, teachers often deliver the same lesson to all students despite differences in proficiency levels, learning speed, motivation, and individual difficulties. CALL platforms address this limitation by analyzing learner performance and adjusting instructional materials accordingly. Similar to machine learning systems that optimize predictions through continuous data analysis, adaptive CALL systems identify patterns in learner behavior and recommend activities designed to strengthen specific language competencies. This personalized approach improves learning efficiency and enables students to progress according to their individual needs.

CALL also enhances exposure to authentic language input, which is essential for developing communicative competence. Language acquisition research suggests that learners require meaningful exposure to diverse linguistic contexts, including different accents, communication styles, vocabulary patterns, and cultural situations. Digital platforms provide access to podcasts, videos, interactive conversations, online communities, and virtual communication environments that expose learners to real-world English usage. These resources allow students to move beyond textbook-based learning and experience English as a living communication system used in academic, professional, and social contexts [4].

The effectiveness of CALL depends significantly on how technology is integrated into curriculum design and teaching methodology. Technology itself does not automatically improve learning outcomes; rather, its effectiveness depends on thoughtful implementation by educators. A poorly designed digital activity may become another form of passive learning, while a carefully designed CALL experience can promote critical thinking, collaboration, creativity, and independent learning. Therefore, successful CALL integration requires teachers to understand both technological capabilities and pedagogical principles, ensuring that digital tools serve meaningful educational objectives rather than simply replacing traditional materials.

## V. Gamification for English Language Competence

Gamification has become an important innovation in TESOL and TEFL because it addresses one of the most persistent challenges in language education: maintaining learner motivation and sustained engagement. Language learning requires continuous practice over extended periods, yet many learners experience frustration, anxiety, or reduced motivation when progress appears slow. Gamification introduces structured motivational systems that transform learning activities into engaging experiences by incorporating elements commonly found in games, including challenges, rewards, progression systems, feedback mechanisms, and collaborative competition. When strategically implemented, gamification encourages learners to participate actively and maintain consistent practice [5].

The effectiveness of gamification is strongly connected to psychological theories of motivation and learning behavior. Self-Determination Theory suggests that learners are more motivated when educational environments support autonomy, competence, and social connection. Gamified learning environments can promote autonomy by allowing learners to choose activities and learning paths, develop competence through visible progress indicators, and experience social connection through teamwork and collaborative challenges. These psychological benefits contribute to stronger learner commitment and increased willingness to communicate in English despite fear of making mistakes.

In English language education, gamification can support the development of multiple language competencies, including vocabulary, grammar, speaking, listening, reading, and writing skills. For

example, vocabulary acquisition can be enhanced through digital challenges where learners unlock new levels after mastering word groups, while speaking activities can incorporate role-playing missions requiring students to communicate in realistic scenarios. Listening comprehension can be developed through interactive quizzes based on authentic audio materials, and writing skills can improve through collaborative storytelling activities. These approaches transform language practice from a repetitive task into an engaging learning journey.

However, effective gamification requires careful instructional design to avoid focusing only on external rewards. Excessive dependence on points, rankings, or badges may reduce intrinsic motivation if learners perceive activities as competitions rather than meaningful learning experiences. Therefore, educators must ensure that game elements are directly connected to educational objectives and encourage deeper engagement with language. The most successful gamified TESOL and TEFL environments combine motivational features with meaningful communication tasks, allowing learners to experience both enjoyment and measurable improvement in English competence.

## VI. Curriculum Design and Instructional Innovation

Curriculum design represents the foundation through which TESOL and TEFL theories are transformed into structured educational experiences. A successful English language curriculum must move beyond the traditional organization of grammar topics and vocabulary lists by incorporating learner needs, communicative goals, technological possibilities, and measurable competency outcomes. In modern educational environments, curriculum development requires a systematic approach that connects objectives, instructional methods, learning resources, and assessment strategies. Similar to the development of intelligent systems where individual components must work together toward a defined goal, an effective language curriculum requires alignment between pedagogy, technology, and learner development.

The integration of CALL and gamification into curriculum design requires careful planning rather than simple adoption of digital tools. Many educational institutions introduce technology without redesigning instructional frameworks, resulting in limited improvements because digital resources

are treated as replacements for textbooks rather than instruments for deeper learning. Innovative curriculum design focuses on selecting technologies according to specific learning objectives. For example, speech recognition systems can support pronunciation development, online discussion platforms can improve communication skills, and adaptive learning applications can provide individualized vocabulary practice. This objective-driven approach ensures that technology enhances rather than distracts from language acquisition.

Competency-based curriculum design has become increasingly important in TESOL and TEFL because it emphasizes what learners can accomplish with language rather than what information they can memorize. English competence includes multiple dimensions such as linguistic accuracy, communicative fluency, strategic communication, intercultural awareness, and critical thinking. A modern curriculum must therefore provide opportunities for learners to apply English in authentic situations, including academic discussions, professional communication, digital collaboration, and problem-solving activities. By designing tasks around real-world language use, educators can create learning environments that prepare students for practical communication beyond the classroom.

Assessment practices must also evolve alongside curriculum innovation. Traditional examinations often measure limited aspects of language knowledge, particularly grammar and vocabulary recall, while overlooking speaking confidence, interaction ability, creativity, and real-world communication skills. Technology-enhanced assessment provides opportunities for continuous evaluation through automated feedback, digital portfolios, performance tracking, and interactive assessments. These approaches allow educators to understand learner progress more comprehensively and make data-informed decisions about instructional improvements. The combination of curriculum design, CALL, and gamification creates a dynamic educational ecosystem where assessment becomes part of the learning process rather than merely a final measurement.

## VII. Research Methodology

This study employed a quasi-experimental research design to investigate the impact of integrating Computer-Assisted Language Learning, gamification, and curriculum innovation on English language competence among TESOL and TEFL learners. The research was designed to examine

whether technology-supported instructional strategies could produce measurable improvements compared with conventional language teaching approaches. The methodology combined quantitative performance analysis with learner engagement measurements to evaluate both academic achievement and behavioral changes during the learning process.

The study involved 120 undergraduate English language learners enrolled in an English communication course. Participants were divided into two groups: an experimental group consisting of 60 learners who received technology-enhanced instruction integrating CALL platforms, gamified activities, and competency-based curriculum design, and a control group consisting of 60 learners who followed traditional classroom instruction based primarily on textbooks, lectures, and conventional exercises. Both groups received the same learning objectives and content areas to ensure that differences in outcomes were associated with instructional methods rather than curriculum variations [6].

The intervention period lasted sixteen weeks, during which the experimental group participated in structured digital learning activities. CALL-based resources included interactive vocabulary applications, online speaking practice tools, multimedia comprehension activities, automated pronunciation feedback systems, and collaborative digital communication platforms. Gamification elements included achievement levels, progress tracking, interactive challenges, collaborative missions, and immediate feedback mechanisms. The control group continued using traditional instructional approaches involving teacher explanations, written exercises, classroom discussions, and standard assessments.

Data collection involved pre-tests, post-tests, learner engagement surveys, activity completion records, and qualitative classroom observations. English competence was evaluated across four major skill areas: vocabulary development, listening comprehension, speaking performance, and writing ability. Statistical analysis was conducted to compare improvements between the experimental and control groups. The research also examined learner motivation, participation frequency, confidence levels, and attitudes toward technology-enhanced learning to understand the broader educational impact of the proposed approach.

## VIII. Experimental Design

The experimental framework was developed to measure the effectiveness of integrating CALL, gamification, and curriculum design as a unified instructional model. The experiment followed a pre-test and post-test structure, allowing researchers to evaluate changes in learner performance before and after the sixteen-week intervention. The primary research hypothesis was that students receiving integrated technology-supported instruction would demonstrate significantly greater improvements in English language competence compared with students receiving traditional instruction.

Before the intervention began, both groups completed an English proficiency assessment measuring vocabulary knowledge, listening comprehension, speaking ability, and writing performance. The initial assessment showed that both groups had comparable proficiency levels, reducing the possibility that previous differences influenced the final results. The experimental group then participated in a blended learning environment where classroom instruction was combined with digital activities, adaptive learning systems, and gamified language tasks. The control group continued with conventional classroom practices without additional technological integration.

The experimental activities were designed according to principles of instructional alignment. Each digital activity corresponded directly with specific learning outcomes established in the curriculum. Vocabulary tasks focused on contextual word usage rather than memorization, speaking activities emphasized communication in realistic scenarios, listening tasks incorporated authentic multimedia resources, and writing activities encouraged collaborative composition and peer feedback. Gamification mechanisms were introduced to increase participation and motivation while maintaining educational relevance [7]. Learners earned progress achievements through demonstrated competence rather than simple completion of activities.

The final evaluation included multiple performance indicators to provide a comprehensive understanding of learning outcomes. Quantitative measures included improvement percentages in language skills, assessment scores, activity completion rates, and engagement statistics. Qualitative measures included student feedback regarding motivation, confidence, learning satisfaction, and perceived usefulness of technology-enhanced instruction. This mixed-method experimental design

enabled a detailed evaluation of how CALL, gamification, and curriculum innovation collectively influence English language development.

## IX. Results and Analysis

The experimental findings demonstrated that the integration of CALL, gamification, and curriculum-based instructional innovation produced significant improvements in English language competence compared with traditional teaching approaches. The analysis of pre-test and post-test performance revealed that both groups showed progress during the sixteen-week study period; however, the experimental group achieved substantially higher gains across all measured language domains. These results indicate that technology-enhanced learning environments can effectively strengthen language acquisition when they are supported by appropriate pedagogical frameworks and carefully designed learning objectives [8].

The vocabulary assessment results showed that the experimental group improved from an average pre-test score of 62.4% to a post-test score of 87.6%, representing a 25.2% increase in vocabulary competence. In comparison, the control group improved from 61.8% to 72.3%, showing only a 10.5% increase. The higher vocabulary improvement among the experimental learners can be attributed to repeated exposure, contextual learning activities, adaptive exercises, and gamified vocabulary challenges that encouraged continuous practice. Unlike traditional memorization methods, CALL-based vocabulary activities allowed learners to encounter words through multimedia examples, authentic contexts, pronunciation models, and interactive tasks, which supported deeper lexical understanding.

Listening and speaking performance also demonstrated notable improvements among learners exposed to technology-enhanced instruction. The experimental group increased listening comprehension scores from 64.1% to 86.9%, while the control group increased from 63.7% to 74.8%. Speaking evaluations showed that the experimental group improved from 60.5% to 85.2%, compared with the control group's improvement from 61.2% to 73.5%. These findings suggest that access to authentic audio materials, automated pronunciation feedback, virtual communication activities, and repeated speaking practice significantly contributed to oral language development.

Learners reported increased confidence because digital environments allowed them to practice without the anxiety commonly experienced during face-to-face classroom interactions.

Writing performance and learner engagement measurements further supported the effectiveness of the proposed instructional model. The experimental group's writing scores improved from 65.3% to 88.1%, whereas the control group improved from 64.8% to 75.6%. Digital writing platforms, collaborative editing activities, and immediate feedback mechanisms helped learners identify errors and improve their written communication skills. Additionally, engagement data revealed that experimental learners completed 92% of assigned learning activities compared with 68% completion among control learners. Survey responses indicated increased motivation, stronger learning independence, and greater satisfaction with technology-supported learning. These results confirm that integrating CALL, gamification, and curriculum design creates a more active and effective language learning ecosystem [9].

## X. Discussion

The findings of this research provide important evidence regarding the role of technology-supported pedagogy in bridging the gap between TESOL and TEFL theory and classroom practice. The significant improvement observed among experimental learners demonstrates that language education becomes more effective when theoretical principles are transformed into practical learning experiences. Rather than replacing teachers, CALL and gamification function as intelligent support systems that enhance instructional quality, expand learning opportunities, and provide learners with continuous opportunities for practice and improvement.

The results align with contemporary educational theories emphasizing active learning, personalization, and learner autonomy. Traditional teaching models often assume that all learners progress through identical instructional sequences, despite differences in prior knowledge, learning speed, and individual challenges. The adaptive capabilities of CALL systems allow education to move toward personalized learning models where instruction responds to learner performance. Similar to data-driven optimization processes in artificial intelligence, educational systems can

continuously analyze learner behavior, identify weaknesses, and recommend targeted interventions to improve outcomes.

The positive impact of gamification observed in this study highlights the importance of motivation as a fundamental factor in language acquisition. Learning English requires long-term commitment, repeated exposure, and willingness to communicate despite mistakes. Gamified environments supported these requirements by transforming practice activities into meaningful challenges with visible progress indicators and immediate feedback. However, the findings also emphasize that gamification must be carefully designed. The educational value of gamification does not come from competition alone but from its ability to encourage persistence, reflection, collaboration, and continuous improvement [10].

The research also demonstrates that curriculum design remains the central factor connecting technological innovation with educational effectiveness. Without appropriate curriculum alignment, digital tools may produce limited benefits or become distractions. The strongest outcomes occurred because CALL activities, gamified elements, and assessment methods were directly connected to learning objectives. This approach reflects a broader principle in educational technology: successful innovation depends not only on the availability of advanced tools but also on the quality of instructional design that guides their implementation.

## XI. Limitations and Future Work

Although this study provides valuable insights into technology-enhanced TESOL and TEFL practices, several limitations should be considered. First, the research was conducted with undergraduate English language learners within a specific educational context, which may limit the generalizability of findings to different age groups, cultural backgrounds, or educational systems. Language learning is influenced by numerous social, linguistic, and psychological factors, and future studies should examine the effectiveness of integrated CALL and gamification approaches across diverse learner populations.

Second, the sixteen-week duration of the experiment provided sufficient time to measure immediate learning improvements but did not fully evaluate long-term language retention and continued learner

development. Future research should conduct longitudinal studies examining whether improvements achieved through technology-enhanced instruction remain stable over extended periods. Investigations should also explore how learners continue using digital language resources independently after formal courses conclude.

Another limitation concerns technological accessibility and infrastructure requirements. Although CALL provides significant educational benefits, successful implementation depends on reliable internet access, appropriate devices, teacher training, and institutional support [11]. In regions where technological resources are limited, unequal access may create new educational challenges. Future research should therefore investigate affordable, scalable solutions that enable wider adoption of digital language learning approaches without increasing educational inequality.

Future research directions should also explore the integration of advanced artificial intelligence technologies into TESOL and TEFL environments. Emerging AI systems capable of natural language understanding, conversational interaction, automated assessment, and personalized tutoring have the potential to further transform language education. However, researchers must examine ethical considerations including data privacy, algorithmic fairness, teacher roles, and responsible technology implementation [12]. The future of English language education will likely depend on creating balanced ecosystems where artificial intelligence enhances human teaching expertise rather than replacing it.

## XII. Conclusion

Bridging theory and practice in TESOL and TEFL requires a comprehensive educational approach that combines pedagogical knowledge, technological innovation, and strategic curriculum design. This research demonstrates that the integration of Computer-Assisted Language Learning, gamification, and competency-based curriculum development can significantly improve English language competence by creating personalized, interactive, and engaging learning environments. The experimental findings confirm that learners exposed to technology-enhanced instruction achieved greater improvements in vocabulary, listening, speaking, writing, motivation, and engagement compared with learners following traditional instructional methods. More importantly, the study

highlights that technology alone is not the solution to educational challenges; meaningful transformation occurs when digital tools are guided by strong theoretical foundations and carefully designed instructional practices. Similar to how artificial intelligence systems achieve higher performance through quality data, optimization, and continuous improvement, language learners achieve greater competence through meaningful exposure, targeted feedback, active participation, and adaptive learning experiences. CALL expands opportunities for authentic language interaction, gamification strengthens motivation and persistence, and curriculum design provides the structure necessary for sustainable learning outcomes. Together, these elements create a modern TESOL and TEFL framework that moves beyond knowledge transmission toward active competence development, preparing learners to communicate effectively in increasingly global and digital societies. The future of English language education will depend on educators, researchers, and institutions embracing evidence-based innovation while maintaining the essential human elements of teaching, including creativity, empathy, cultural understanding, and meaningful communication.

## REFERENCES:

[1] T. S. Farrell and G. M. Jacobs, *Essentials for successful English language teaching*. Bloomsbury Publishing, 2020.
[2] Y. A. Alshumaimeri, "Gamifying the learning experience in the language classroom," *Asian Journal of Multidisciplinary Research & Review,* vol. 4, no. 6, pp. 116-163, 2023.
[3] A. B. Setiyadi, "Teaching English as a foreign language," 2020.
[4] G. Stockwell, *Computer-assisted language learning*. Cambridge University Press, 2012.
[5] R. Aljuhami and Y. Alshumaimeri, "The Adequacy of Credit English Training Hours in Technical Colleges: Perspectives of Trainers and Trainees," *English Language Teaching,* vol. 18, no. 11, 2025.
[6] M. Saichu and W. Widyawati, "Building Student Independence in Language Learning with Computer-Assisted Language Learning (CALL): A Phenomenological Study," *ELTALL: English Language Teaching, Applied Linguistic and Literature,* vol. 7, no. 1, pp. 83-94, 2026.
[7] Z. Rao, "Teaching English as a foreign language in China: Looking back and forward: Reconciling modern methodologies with traditional ways of language teaching," *English Today,* vol. 29, no. 3, pp. 34-39, 2013.
[8] C. Nim Park and J.-B. Son, "Implementing computer-assisted language learning in the EFL classroom: Teachers' perceptions and perspectives," *international Journal of Pedagogies and Learning,* vol. 5, no. 2, pp. 80-101, 2009.
[9] G. Li and S. N. Zehra, "Teaching English as Second Language: Theory, Techniques and Technology," ed: De Gruyter, 2026.

[10] A. Kirkpatrick, "Teaching English across cultures. What do English language teachers need to know to know how to teach English," *English Australia Journal,* vol. 23, no. 2, pp. 20-36, 2007.

[11] T. N. Fitria, "Teaching English for specific purposes (ESP) to the students in English language teaching (ELT)," *JET (Journal of English Teaching) Adi Buana,* vol. 5, no. 01, pp. 55-66, 2020.

[12] M. W. Gapayao and M. L. Estremera, "The Role of Constructivist Theories in Teaching English as a Second Language (TESL)," *EIKI Journal of Effective Teaching Methods,* vol. 4, no. 1, 2026.