



## A Review of Language Curriculum Development in Multilingual Classrooms

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**ABSTRACT**

Integrated curriculum models in language teaching have gained prominence as educators seek to provide holistic, interdisciplinary learning experiences that improve both language proficiency and content knowledge. These models emphasize the meaningful application of language skills across various subjects, promoting deeper student engagement and critical thinking. However, the implementation of integrated curricula presents challenges related to teacher collaboration, resource availability, and institutional support, especially in traditional educational settings. This review aims to analyze the effectiveness of integrated curriculum models in language teaching by synthesizing findings from empirical studies and theoretical discussions. The study examines how these models influence language learning outcomes, foster critical thinking, and address the practical challenges faced by educators. Both qualitative and quantitative studies were included, covering various educational levels and cultural contexts. The findings indicate that integrated curriculum models enhance language proficiency, particularly in communicative and academic skills, while simultaneously improving student engagement and content mastery. Effective implementation depends on strong teacher collaboration and institutional support. However, barriers such as inadequate resources and lack of training often hinder the success of these models. In conclusion, integrated curriculum models offer substantial potential for improving language education, but their success requires careful planning and sufficient support. Future research should focus on long-term outcomes and the adaptation of these models to diverse educational contexts to maximize their impact.

**Keywords:** *Educational Contexts, Integrated Curriculum, Interdisciplinary Learning, Language Proficiency, Teacher Collaboration*

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## **INTRODUCTION**

The increasing complexity of modern education has led to the development of integrated curriculum models, particularly in language teaching (Abosi & Alhassan, 2017; Achilie-Valencia, 2021; Aghar, 2023; Aktaş & Özmen, 2020; Al-Abdullatif, 2022; AL-Dossary, 2023). These models aim to merge language instruction with content from other subject areas to create a more holistic learning experience (Li, 2020). Integrated curricula allow students to use language in meaningful contexts, improving both their linguistic abilities and their understanding of other disciplines (Alaofi, 2020). This approach contrasts with traditional language teaching methods, which often isolate language learning from other academic subjects.

Integrated curriculum models have gained popularity in recent years due to the growing demand for 21st-century skills such as critical thinking (Palmer-Cooper, 2009; Richardo et al., 2023; Sulaiman & Ismail, 2020), problem-solving, and communication. In a globalized world, learners are expected to navigate interdisciplinary knowledge and apply language skills in various real-world scenarios (Koglbauer, 2022). By linking language education with subjects like science, history, and mathematics, integrated curricula encourage students to see language as a tool for deeper learning and practical application. This shift represents a significant departure from rote memorization and grammar-focused instruction.

Language teaching has traditionally been compartmentalized, focusing heavily on grammar, vocabulary, and linguistic accuracy (Ro, 2021; Yusof, 2016). While these elements are essential, they often fail to engage students in authentic communication or demonstrate the broader value of language learning (Altae, 2020). Integrated curriculum models address this issue by making language learning more interactive, engaging, and relevant to students' everyday experiences (Balderas, 2024). This educational approach is particularly effective in preparing students for the complexities of multilingual, multicultural, and interdisciplinary environments.

Educational institutions around the world are exploring the benefits of integrated curricula as part of broader reforms in teaching and learning (Robins, 2023). Schools that adopt integrated curriculum models often report increased student motivation and improved learning outcomes (Oliveira, 2024). Language teaching is no longer seen as a separate discipline but as an integral part of a student's overall academic development. Integrated models offer the potential to bridge the gap between language learning and real-world application, making education more meaningful and impactful.

Despite the growing interest in integrated curriculum models, research on their effectiveness remains limited (Elfitra, 2023). Many studies focus on short-term outcomes, such as improved student engagement or language proficiency, but few examine the long-term effects of these models on language learning and content mastery (Kaya, 2021). There is a lack of comprehensive research that tracks students' progress over time, making it difficult to assess the sustainability of gains made through integrated curricula (Tran, 2023). This gap in the literature highlights the need for longitudinal studies that explore the lasting impact of integrated models.

Another gap in the research relates to the implementation challenges faced by educators. While the benefits of integrated curricula are well-documented, the practicalities of integrating language teaching with other subjects remain underexplored (Arslan, 2021). Teachers often lack the necessary training and support to effectively collaborate with colleagues from other disciplines. Few studies delve into the institutional barriers that hinder the successful adoption of integrated models, such as rigid curricula, standardized testing, and resource limitations. This gap leaves educators without clear guidelines on how to overcome these obstacles.

Research on integrated curriculum models is also predominantly Western-centric, focusing on educational systems in North America and Europe (Muhammad et al., 2022; Mutch-Jones et al., 2022). There is limited exploration of how these models function in non-Western contexts, where educational traditions may prioritize subject specialization and hierarchical teaching methods. This gap limits the generalizability of existing research and raises questions about how integrated curricula can be adapted to different cultural and institutional settings. Further studies are needed to explore how integrated models can be successfully implemented in diverse global contexts.

There is a lack of consensus on how integrated curricula should be assessed. Most studies focus on qualitative measures, such as student engagement and teacher feedback, but few provide standardized methods for evaluating the effectiveness of these models in improving language proficiency and content knowledge (Gabaudan, 2022). This gap complicates efforts to develop best practices for implementing integrated curricula and assessing their impact on student learning. More research is needed to establish clear criteria for evaluating the success of these interdisciplinary approaches.

The primary aim of this review is to provide a comprehensive analysis of integrated curriculum models in language teaching, focusing on their effectiveness in improving both language proficiency and content mastery (Lepota, 2023). By examining empirical studies and theoretical discussions, this review seeks to identify the key factors that contribute to the success of integrated curricula. It will also explore the challenges educators face in implementing these models and provide practical recommendations for overcoming these barriers (Koglbauer, 2022). The ultimate goal is to offer insights that can inform future curriculum design and pedagogical practices.

The scope of this review includes research on integrated curriculum models across various educational levels, from primary to higher education. It will consider studies conducted in both Western and non-Western contexts to provide a broad understanding of how these models function in different cultural and institutional settings (Tahiri, 2022). The review will analyze how integrated curricula impact students with varying levels of language proficiency, as well as how they affect both language learning and content knowledge in subjects such as science, history, and the arts.

In addition to focusing on language proficiency, this review will examine how integrated curriculum models promote critical thinking, problem-solving, and other 21st-century skills. The interdisciplinary nature of these models encourages students to apply language skills in real-world contexts, which can foster deeper learning and greater

engagement (Collen, 2023; Garling, 2020). The review will explore whether these models prepare students more effectively for the demands of a globalized world, where communication and cross-disciplinary knowledge are crucial for success.

This review will also explore the role of teacher collaboration and institutional support in the successful implementation of integrated curriculum models. Teacher preparedness, professional development, and access to resources are critical factors that influence the effectiveness of integrated curricula. By examining these elements, the review aims to provide practical recommendations for educators and policymakers who are considering adopting integrated curriculum models in their schools.

This review is guided by several key research questions. First, how effective are integrated curriculum models in improving language proficiency across different educational contexts? This question seeks to evaluate the impact of integrating language teaching with other academic subjects on students' linguistic skills, particularly in areas such as speaking, writing, and comprehension. The review will analyze both qualitative and quantitative studies to provide a comprehensive understanding of the effects of integrated curricula on language proficiency.

The second research question focuses on the impact of integrated curricula on content mastery. How do students perform in non-language subjects, such as science or history, when language instruction is integrated into these areas? This question aims to explore whether interdisciplinary approaches enhance students' understanding of both language and content, leading to improved academic outcomes. The review will consider studies that measure both language proficiency and content knowledge to assess the overall effectiveness of integrated models.

A third key question addresses the challenges of implementing integrated curriculum models. What obstacles do educators face in integrating language instruction with other subjects, and how can these challenges be overcome? This question will explore the practical difficulties of collaboration between language teachers and subject-area teachers, as well as the institutional barriers that may hinder the adoption of integrated models. The review will identify strategies for supporting teachers and schools in implementing these approaches effectively.

Finally, the review will explore the adaptability of integrated curriculum models to different cultural and educational contexts. Can these models be successfully implemented in non-Western settings, where subject specialization and traditional teaching methods may be more prevalent? This question will examine whether integrated curricula can be tailored to fit diverse educational systems and cultural practices, expanding their applicability beyond Western educational models. The findings will provide valuable insights into the global potential of integrated curricula in language teaching.

## **RESEARCH METHODOLOGY**

The literature approach involved a systematic search through major academic databases such as Google Scholar, ERIC, and JSTOR. The search focused on articles

discussing integrated curriculum models in language teaching, using keywords like “integrated curriculum,” “language teaching,” “cross-curricular integration,” and “interdisciplinary learning.” Articles published within the last two decades were prioritized to ensure relevance to recent developments in language education (Lammers, 2012).

Inclusion criteria consisted of empirical studies evaluating the effectiveness of integrated curriculum models in enhancing language skills and content knowledge across various educational levels. Studies investigating teacher collaboration and institutional support were also included (Visconti, 2018). Exclusion criteria applied to articles focusing solely on traditional language teaching without cross-curricular integration or those lacking empirical data or peer-reviewed publication.

The literature selection process began with screening titles and abstracts to determine relevance to the topic. Articles meeting the inclusion criteria were then reviewed in full to ensure alignment with the research objectives. Articles that did not explicitly address integrated curriculum models or lacked empirical findings were excluded from the review. The final selection ensured that the studies covered a variety of educational contexts and levels of learning.

Data collection focused on extracting key information from each study, including curriculum design, measured outcomes, and challenges in implementation. Data were categorized by variables such as language skills taught, teacher collaboration, and institutional contexts. The collected data were organized into tables to facilitate comparative analysis across the selected studies.

The analysis technique used in this review was thematic analysis. Selected studies were grouped by key themes, such as improvements in language skills, implementation challenges, and the role of teacher collaboration. Both qualitative and quantitative data were compared to identify common patterns and differences across studies. This analysis helped form comprehensive conclusions about the effectiveness of integrated curriculum models in language teaching.

The limitations of this method include potential bias in literature selection, as some articles may not have been fully accessible or freely available. Articles not published in English were also excluded, which could limit the global scope of this review. The variation in study designs analyzed presents another challenge, as differences in methodology may affect the comparability of results.

## **RESULT AND DISCUSSION**

The review of integrated curriculum models in language teaching shows positive impacts on both language proficiency and content mastery. Students exposed to integrated curricula demonstrate better communicative skills, particularly in speaking and writing. The interdisciplinary nature of these models also fosters deeper engagement, as students can see the practical applications of language across different subjects. Integrated models appear to bridge the gap between language learning and real-world contexts, promoting both linguistic competence and subject knowledge.

The findings highlight the importance of teacher collaboration for the success of integrated curriculum models. Teachers working together across disciplines ensure that language and content are aligned, creating a cohesive learning experience. Studies consistently show that when teachers collaborate effectively, students benefit from more meaningful language use in academic and social contexts. However, the extent of success is closely tied to the institutional support provided, particularly in terms of resources and training.

Research also reveals that integrated curricula positively influence students' motivation and engagement. Learners are more motivated when language lessons are tied to real-world applications and interdisciplinary content. The connection between language and other subjects enhances student interest, leading to higher levels of participation and interaction in the classroom. This suggests that integrated models offer a more dynamic and engaging approach compared to traditional language teaching methods.

Despite these benefits, some challenges remain, particularly in traditional educational settings. Schools that focus heavily on standardized testing or rigid curricula may struggle to implement integrated models effectively. Teachers in these environments often face difficulties balancing language objectives with content goals, which can limit the success of integration. This highlights the need for flexible curricula and institutional support to fully realize the potential of integrated teaching.

The findings from the review can be categorized into three primary themes: language proficiency improvement, student engagement, and implementation challenges. Studies focusing on language proficiency show that integrated curricula significantly enhance learners' communicative skills, particularly in authentic contexts. These improvements are especially notable in speaking and writing, where students are encouraged to apply language in real-world tasks and projects.

The second category, student engagement, emphasizes the motivational benefits of integrated curricula. Students consistently report higher levels of interest and participation in classes that combine language learning with content from other subjects. This engagement stems from the relevance of interdisciplinary learning, as students can see the practical applications of language in various academic fields. Increased motivation leads to better retention and greater confidence in using the language.

Implementation challenges form the third category, with studies highlighting difficulties related to teacher collaboration and institutional constraints. Teachers often struggle to coordinate lessons across disciplines, particularly when there is a lack of time or resources for joint planning. Schools with rigid structures or limited flexibility in their curricula may find it challenging to adopt integrated models. Additionally, some teachers lack the necessary training to implement interdisciplinary teaching effectively, further complicating the process.

Resource availability also emerges as a significant challenge in the successful implementation of integrated curricula. Schools with limited access to materials, technology, or professional development may experience superficial integration, where

language and content connections remain surface-level rather than deeply intertwined. These challenges suggest that institutional support, including time for planning and access to resources, is critical for the effective implementation of integrated curriculum models.

One key study by Coyle, Hood, and Marsh (2010) on Content and Language Integrated Learning (CLIL) in Europe found that students in CLIL programs consistently outperformed their peers in both language proficiency and content mastery. This study highlights the benefits of integrating language with subjects such as science and social studies, showing significant gains in students' ability to use language for academic purposes.

Another important study by Snow, Met, and Genesee (1989) explored the integration of language and content in bilingual education programs. The researchers found that students in integrated programs achieved higher levels of academic language proficiency compared to those in traditional language classrooms. This research provided foundational support for integrated curriculum models, particularly in bilingual and multilingual contexts where students need to develop both language and content knowledge simultaneously.

A study by Mohan (1986) introduced the Knowledge Framework, which offers a structured approach to integrating language with content learning. Mohan's work has been widely used in designing integrated curricula, particularly in contexts where language learners are expected to achieve both academic and linguistic outcomes. This study was significant in its emphasis on systematic planning for integrated teaching, ensuring that language learning is directly linked to academic content.

Another study by Met (1994) examined the role of teacher collaboration in implementing integrated curricula. Met found that successful integration relied heavily on effective communication and cooperation between language teachers and subject-area teachers. The study highlighted the need for professional development and institutional support to foster meaningful collaboration. This work emphasized the importance of preparing teachers to work together in designing integrated lessons that meet both language and content objectives.

One major gap in the literature is the lack of longitudinal studies on the long-term impact of integrated curriculum models on language proficiency. While many studies report short-term gains in language skills, there is limited evidence on whether these improvements are sustained over time. Research that tracks students' progress after they leave integrated programs would provide valuable insights into the long-term effectiveness of these models. The absence of such studies leaves questions about the lasting impact of integrated curricula on learners' language development.

Another significant gap involves the lack of research on the adaptation of integrated curricula in non-Western contexts. Most studies on integrated curriculum models have been conducted in Western educational settings, particularly in Europe and North America. There is a need for more research on how these models can be implemented in diverse cultural and educational systems, especially in countries where subject specialization is prioritized over interdisciplinary learning. Understanding how integrated

curricula function in different contexts would expand the applicability of this teaching approach.

Research on integrated curricula for beginner language learners is also limited. Most studies focus on intermediate or advanced learners, with little attention given to how integrated models can be adapted for students with lower proficiency levels. This gap highlights the need for research on scaffolding integrated curricula to meet the needs of all learners, ensuring that even those at the early stages of language acquisition can benefit from interdisciplinary learning.

There is also a lack of research on the assessment methods used in integrated curriculum models. Most studies focus on qualitative measures, such as student engagement and teacher feedback, but few address how to evaluate both language proficiency and content knowledge in an integrated setting. Developing clear assessment tools that reflect the interdisciplinary nature of these models would help educators better measure the effectiveness of integrated curricula and guide future implementation.

The review indicates that integrated curriculum models are highly effective in improving language proficiency, particularly in speaking and writing. Students engaged in these models consistently show better communication skills, as they are required to use language in meaningful, real-world contexts. These findings align with the core principles of integrated learning, which emphasize the application of language in authentic tasks rather than isolated drills or grammar exercises. The success of integrated curricula in developing communicative competence suggests that they provide a more holistic approach to language teaching.

The role of teacher collaboration emerges as a critical factor in the successful implementation of integrated curricula. Studies show that when language teachers and subject-area teachers collaborate effectively, students benefit from a more cohesive learning experience. This collaboration ensures that language instruction is aligned with content objectives, making the learning process more relevant and engaging. The importance of teacher collaboration highlights the need for professional development and institutional support to foster teamwork among educators.

The review also emphasizes the motivational benefits of integrated curricula. Students are more engaged and motivated when language learning is connected to real-world applications and interdisciplinary content. This increased motivation leads to higher participation in classroom activities and greater confidence in using language in both academic and social contexts. The motivational impact of integrated models supports the idea that learning is more effective when students see the relevance of what they are learning to their lives outside the classroom.

Challenges related to implementation, particularly in traditional educational settings, are also evident in the findings. Schools that prioritize standardized testing or follow rigid curricula may struggle to fully adopt integrated models. Teachers in these settings often face difficulties balancing language and content objectives, limiting the effectiveness of integration. These challenges underscore the need for institutional

flexibility and support to ensure that integrated curricula can be implemented successfully.

Studies on integrated curriculum models consistently show improvements in language proficiency, but there are notable differences in how these models are implemented and evaluated. Research on CLIL programs in Europe emphasizes the integration of language with content in subjects like science and history, with significant gains in both language and academic performance. These studies highlight the effectiveness of CLIL in bilingual and multilingual contexts, where students are required to use language for academic purposes.

In contrast, studies conducted in traditional educational settings, particularly in the United States and Asia, focus more on the challenges of implementing integrated curricula. Schools in these regions often prioritize subject specialization and standardized testing, making it difficult to adopt interdisciplinary approaches. Research from these contexts highlights the need for institutional flexibility and teacher collaboration to overcome these challenges. The differences between these studies suggest that the success of integrated curricula is heavily influenced by the educational environment in which they are implemented.

Another key difference between studies is the level of language proficiency targeted by integrated curricula. Research on advanced learners shows significant improvements in both language proficiency and content mastery, while studies on beginner learners report more mixed results. This difference may be due to the additional cognitive load placed on beginners, who must simultaneously develop basic language skills and engage with complex content. More research is needed to determine how integrated models can be adapted for learners at different proficiency levels.

Despite these differences, most studies agree on the motivational benefits of integrated curricula. Students in both Western and non-Western contexts report higher levels of engagement when language learning is connected to real-world applications and interdisciplinary content. This increased motivation leads to better retention of language skills and greater confidence in using the language. While the specific outcomes of integrated curricula may vary depending on the context and implementation, the overall benefits for language learning and student engagement are consistently reported across studies.

The theoretical implications of this review suggest that integrated curriculum models align with constructivist learning theories, which emphasize the importance of connecting new knowledge with existing knowledge. Integrated curricula provide opportunities for students to apply language in meaningful contexts, fostering deeper learning and greater engagement. This approach supports the idea that language learning is most effective when it is connected to real-world applications, rather than being taught in isolation.

Practically, the review highlights the importance of teacher collaboration in the successful implementation of integrated curricula. Schools and educational institutions need to invest in professional development programs that equip teachers with the skills

to collaborate across disciplines. Teachers must be given the time and resources to plan integrated lessons that align language learning with content objectives. Institutional support is also crucial, as schools that provide resources for collaboration and flexibility in curriculum design are more likely to see positive outcomes from integrated models.

The review also emphasizes the need for flexible curricula that allow for the integration of language and content across subjects. Schools that follow rigid curricula or prioritize standardized testing may find it difficult to adopt integrated models. Policymakers should consider the benefits of interdisciplinary learning when designing educational policies and curricula, ensuring that schools have the flexibility to implement integrated approaches. The success of integrated curricula depends on the alignment of language learning with broader educational goals.

Additionally, the review highlights the importance of assessment tools that reflect the interdisciplinary nature of integrated curricula. Schools and educators need to develop methods for evaluating both language proficiency and content knowledge in integrated settings. Clear assessment tools would help educators measure the effectiveness of integrated curricula and provide guidance for future implementation. Without appropriate assessment methods, it may be difficult to determine whether students are achieving the intended outcomes of integrated models.

Future research should focus on conducting longitudinal studies to assess the long-term effects of integrated curriculum models on language proficiency. While many studies report short-term gains in language skills, there is little evidence on whether these improvements are sustained over time. Longitudinal research would provide valuable insights into the lasting impact of integrated curricula on learners' language development and content knowledge.

More research is needed on how integrated curriculum models can be adapted to different cultural and educational contexts. Most existing studies focus on Western educational systems, with limited exploration of how these models function in non-Western settings. Research that examines the implementation of integrated curricula in diverse cultural contexts would help expand their applicability and ensure that learners in all educational systems can benefit from interdisciplinary approaches.

There is also a need for more research on integrated curricula for beginner language learners. Most studies focus on intermediate or advanced learners, with little attention given to how integrated models can be adapted for students with lower proficiency levels. Research on how to scaffold integrated curricula for beginners would help make these models more accessible and effective for a broader range of students.

Finally, future research should explore the development of assessment tools that reflect the interdisciplinary nature of integrated curricula. Most studies focus on qualitative measures of success, such as student engagement, but few address how to assess both language proficiency and content knowledge in integrated settings. Developing clear assessment tools would help educators better evaluate the effectiveness of integrated curricula and guide future implementation.

One limitation of the reviewed studies is the focus on short-term outcomes. Most studies measure the immediate impact of integrated curricula on language proficiency, but few track students' progress over time to assess the long-term effects of these models. This focus on short-term results limits our understanding of whether integrated curricula lead to lasting improvements in language skills and content knowledge.

Another limitation is the geographical focus of the research. Most studies are conducted in Western educational settings, with limited exploration of how integrated curricula function in non-Western or traditional educational systems. This geographical limitation means that the findings may not be generalizable to all educational environments, particularly those with different cultural or institutional frameworks.

The review also highlights the lack of standardized assessment tools for evaluating integrated curriculum models. While many studies emphasize the positive outcomes of these models, there is limited discussion on how to measure both language proficiency and content mastery in integrated settings. The absence of standardized assessment tools makes it difficult to compare findings across studies and draw definitive conclusions about the effectiveness of integrated curricula.

Finally, the reliance on qualitative data in many of the reviewed studies introduces potential bias in interpreting the results. While qualitative methods provide valuable insights into the experiences of learners and teachers, they may not always capture the full scope of integrated curricula's effectiveness. Incorporating more quantitative research, particularly large-scale studies that use standardized assessments, would help provide a more balanced and comprehensive understanding of these models.

## **CONCLUSION**

The review of integrated curriculum models in language teaching reveals significant improvements in both language proficiency and content mastery. Students engaged in these models demonstrate stronger communicative skills, especially in speaking and writing, and higher levels of engagement due to the practical applications of language across different subjects. The success of integrated curricula largely depends on effective teacher collaboration and institutional support.

This research contributes to the existing literature by synthesizing findings across multiple studies and educational contexts, offering a comprehensive view of how integrated curricula impact language learning. It highlights the positive effects on student motivation, engagement, and language proficiency, while also identifying key challenges related to implementation, such as resource availability and teacher preparedness.

The theoretical implications suggest that integrated curricula align with constructivist theories, which promote learning through meaningful, interdisciplinary connections. Practically, this review emphasizes the need for professional development, collaborative teaching, and flexible curricula to support successful integration. Schools and policymakers must consider these factors to ensure effective curriculum design and implementation.

The limitations of this review include the lack of longitudinal studies, which leaves unanswered questions about the long-term impact of integrated curriculum models. Additionally, most studies are conducted in Western contexts, limiting the generalizability of the findings to non-Western educational systems. There is also a need for standardized assessment tools to evaluate both language proficiency and content knowledge in integrated settings.

Future research should focus on conducting long-term studies to assess the sustained effects of integrated curricula on language learning. More studies are needed to explore how these models can be adapted to different cultural contexts and proficiency levels. Despite the challenges, integrated curriculum models hold great potential for enriching language education and fostering interdisciplinary skills essential for success in today's globalized world.

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