

MATATAG Curriculum: Bridging Global Competencies and Filipino Values in Philippine Education

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Abstract:

This study examines the MATATAG Curriculum's effectiveness in preparing Filipino learners for the 21st century by evaluating its alignment with key educational priorities. The curriculum, introduced by the Department of Education (DepEd) in the Philippines, emphasizes critical thinking, communication, collaboration, and creativity—skills essential for navigating modern challenges. It integrates these competencies within a framework that also focuses on character education and citizenship, reflecting DepEd's core values of Maka-Diyos, Makatao, Makakalikasan, and Makabansa. Additionally, the MATATAG Curriculum promotes cultural literacy by incorporating indigenous knowledge and fostering an appreciation for global diversity. Through analysis of curriculum documents and instructional practices, this study highlights the curriculum's strengths in developing essential 21st-century skills and its commitment to holistic student development. It also identifies areas for potential enhancement, such as increased technology integration, student-centered approaches, and improved assessment methods. Overall, the MATATAG Curriculum represents a progressive step in educational reform, aiming to equip students with the skills, values, and cultural competence needed to thrive in a complex and interconnected world. The findings contribute to the discourse on effective curriculum design and offer insights for future improvements in educational practice in the Philippines.

Keywords: MATATAG Curriculum, 21st Century Skills, Holistic Development, Educational Reform, Philippines

Introduction

In today's rapidly evolving world, characterized by technological advances, economic shifts, and social transformations, education systems are tasked with preparing students to meet the demands of the 21st century. The Philippine Department of Education (DepEd) recognizes this challenge and aims to equip learners with the knowledge, skills, attitudes, and competencies necessary to thrive in an increasingly interconnected and competitive global environment. DepEd's commitment to developing holistically educated Filipino learners is encapsulated in DepEd Order No. 21, s. 2019, which outlines a vision for learners who are prepared for the future's complexities.

A key initiative in realizing this vision is the implementation of the MATATAG Curriculum, a comprehensive educational framework designed to support the holistic growth of Filipino students. This curriculum is firmly rooted in DepEd's 21st-century skills framework and integrates competencies derived from both local and international standards (DepEd, 2019). By fostering critical skills such as problem-solving, creativity, collaboration, communication, and digital literacy, the MATATAG Curriculum ensures that Filipino learners are well-prepared to succeed not only in academics but also in life and work in an ever-changing world.

The MATATAG Curriculum is built upon four core domains of 21st-century skills, which include Information, Media, and Technology Skills; Learning and Innovation Skills; Communication Skills; and Life and Career Skills (Maceda Jr, 2020). These domains cover a broad range of competencies necessary for modern society, from technical expertise in using information technologies to developing creativity and innovation in problem-solving. The curriculum



emphasizes that learners must possess strong communication abilities and collaborative skills to effectively engage with peers and professionals in various settings.

In addition to academic and technical skills, the MATATAG Curriculum prioritizes life and career skills that are crucial for success in the workplace. These skills include adaptability, initiative, social and cross-cultural skills, and productivity. Through this approach, the curriculum not only equips students with knowledge but also focuses on cultivating the values and attitudes needed to navigate real-world challenges. By promoting both intellectual growth and personal development, the MATATAG Curriculum encourages students to become lifelong learners who can continually adapt to the evolving demands of society.

The MATATAG Curriculum represents a forward-looking approach to education in the Philippines. By aligning with global 21st-century competencies and integrating them into the curriculum, DepEd is ensuring that Filipino learners are equipped to meet the demands of a dynamic and competitive global landscape. With its emphasis on holistic development, the curriculum fosters well-rounded individuals who are capable of thriving in both personal and professional endeavors.

Literature Review

Research on 21st-century skills and curriculum development highlights the importance of fostering competencies that prepare learners for modern challenges. This section reviews key concepts and findings related to 21st-century skills, curriculum alignment, and educational reform, providing a background for analyzing the MATATAG Curriculum.

The concept of 21st-century skills arose in response to the dramatic changes in global economies and societies due to technology, globalization, and the shift toward knowledge-based industries (Voogt & Roblin, 2012). Early models such as the Partnership for 21st Century Skills (P21) in the U.S. emphasized a range of skills from core academic subjects to essential life and career skills (Voogt & Roblin, 2012). The goal was to equip learners with the ability to think critically, work collaboratively, communicate effectively, and be literate in the digital age.

Curriculum alignment is key to ensuring that educational content, teaching methods, and assessment techniques are consistent with desired learning outcomes (Webb, 1997). Studies suggest that a well-aligned curriculum can enhance learning, engage students more effectively, and better prepare them for post-secondary education or career pathways (Steiner, 2019).

The role of teachers in developing 21st-century skills cannot be overstated. Research shows that inquiry-based learning, project-based learning, and collaborative problem-solving are powerful methods for fostering these skills (Bellanca & Brandt, 2010). Furthermore, the integration of technology in education is a critical component in teaching digital literacy and preparing students for the modern workforce (Mishra & Koehler, 2006).

International case studies offer valuable insights into the successful integration of 21st-century skills into curricula. Singapore's 21st Century Competencies Framework, for example, emphasizes critical and inventive thinking, communication, and information skills through interdisciplinary approaches (Ministry of Education, Singapore, 2013). Finland's education system also prioritizes the holistic development of students by combining traditional academics with skills relevant to the modern world (Sahlberg, 2011).

Challenges in implementing new curricular frameworks, including teacher preparedness, limited resources, and socio-cultural factors, are well-documented (Anderson & Dexter, 2005). Ongoing professional development, assessment aligned with 21st-century skills, and collaboration between educational stakeholders are necessary to overcome these challenges and realize the benefits of curriculum reforms (Trilling & Fadel, 2009).

The review of literature indicates that initiatives like the MATATAG Curriculum have the potential to cultivate 21st-century skills among Filipino learners. By drawing on global best practices and lessons from curriculum development research, this study seeks to contribute to the ongoing conversation about educational reform in the Philippines.

Methodology

This study employs a comparative analysis approach to evaluate the extent to which the MATATAG Curriculum aligns with the 7Cs of 21st-century learning: critical thinking, creativity, collaboration, communication, character education, citizenship, and cultural literacy. The analysis focuses on key elements of the curriculum and compares them against established frameworks in 21st-century education.

The research utilized primary data, including official documents from DepEd, such as curriculum guides, orders, and policy statements. Scholarly research on 21st-century skills, international competency frameworks, and curriculum alignment also informed the analysis.



The study applied a systematic framework to compare the curriculum's learning objectives, teaching strategies, and assessment methods with the competencies outlined in the 7Cs. The criteria for evaluation included the integration of key 21st-century skills and the application of teaching approaches conducive to the development of those skills.

The findings from the comparative analysis were interpreted in the context of best practices in curriculum design and educational reform, drawing on relevant research to provide a nuanced understanding of the MATATAG Curriculum's effectiveness in promoting holistic learner development.

Findings and Discussion

The MATATAG Curriculum's Approach to Skill Development

The MATATAG Curriculum emphasizes the development of essential 21st-century skills, including critical thinking, communication, collaboration, and creativity, aligning with global educational priorities. Critical thinking is a cornerstone of the curriculum, integrated across various subjects through activities that challenge students to analyze, evaluate, and construct reasoned arguments. This approach encourages learners to go beyond surface-level understanding and engage deeply with content. Inquiry-based tasks further support this by promoting students' analytical abilities, enabling them to approach problems from multiple perspectives and develop well-reasoned solutions (Duron et al., 2006; Diano Jr, et al., 2024).

Effective communication is another key focus of the MATATAG Curriculum. It integrates both verbal and written forms of expression, offering students ample opportunities to practice and refine these skills. Clear and articulate communication is crucial for success in both academic and professional settings, and the curriculum is designed to help students express their ideas confidently and persuasively. This is especially important as learners interact with peers, educators, and future colleagues, where clarity and coherence in communication are vital (Grant et al., 2016).

Collaboration is equally prioritized, with the curriculum incorporating group-based learning experiences that foster teamwork, empathy, and cooperative problem-solving. By working collaboratively, students learn to appreciate diverse perspectives and leverage their collective strengths to solve complex problems. These experiences are essential for preparing learners for modern work environments, where the ability to collaborate and share ideas is increasingly important (Dillenbourg, 1999; Johnson et al., 2014). In doing so, students build not only academic skills but also interpersonal skills that are critical for navigating future professional landscapes.

Creativity is another critical skill emphasized in the MATATAG Curriculum. Students are encouraged to explore new ideas and think outside the box through various projects, artistic expressions, and problem-solving activities. By fostering creativity, the curriculum prepares learners to be innovative thinkers capable of addressing the unforeseen challenges of the future. Creativity is not only nurtured as a skill but also as a mindset, encouraging students to take risks, explore multiple solutions, and think divergently (Robinson, 2001; Uy, et al., 2024).

The MATATAG Curriculum is designed to develop well-rounded learners equipped with the critical skills of thinking, communicating, collaborating, and creating. By focusing on these core areas, the curriculum aligns with both local and global educational priorities, ensuring that Filipino students are prepared for the complexities of life and work in the 21st century. The emphasis on inquiry, expression, teamwork, and innovation reflects the curriculum's holistic approach to education, nurturing not only academic achievement but also personal and professional growth.

The MATATAG Curriculum's Core Values

The MATATAG Curriculum places a strong emphasis on character education and citizenship, deeply rooted in the core values outlined by the Department of Education (DepEd). These values—Maka-Diyos (God-loving), Makatao (Humane), Makakalikasan (Environment-friendly), and Makabansa (Patriotic)—serve as guiding principles for nurturing ethical behavior and social responsibility among Filipino learners. By aligning education with these values, the curriculum aims to create individuals who are not only academically capable but also morally grounded and socially aware.

Character education is an integral part of the curriculum, woven into both classroom lessons and extracurricular activities. Through lessons on virtues such as honesty, compassion, and respect, students are encouraged to reflect on their actions and develop a strong moral compass. This approach is designed to help learners internalize these values and apply them in their daily interactions, fostering principled and responsible citizens who contribute positively to society (Berkowitz & Bier, 2005; Kilag, et al., 2023).

Citizenship education is also a key focus, with the curriculum actively promoting civic engagement and community involvement. Service-learning projects and other civic activities are incorporated to provide students with real-world opportunities to contribute to their communities. These experiences not only help learners understand their role as citizens but also cultivate a sense of national pride and civic responsibility. By participating in such activities, students



develop a deeper connection to their country and a greater understanding of the impact they can have on societal progress (Battistich et al., 2004). This holistic approach ensures that Filipino students are prepared to navigate the complexities of modern society while upholding strong values and a commitment to the common good.

Building Cultural and Global Awareness

Cultural literacy plays a pivotal role within the MATATAG Curriculum, reflecting the Department of Education's commitment to fostering a deeper understanding of the Philippines' diverse cultural heritage. This curriculum incorporates lessons on indigenous knowledge, traditions, and customs, enabling students to cultivate a stronger sense of cultural identity and pride in their heritage. By including these elements in the curriculum, students not only gain awareness of the cultural practices of various Filipino communities but also develop respect for the country's rich history and its role in shaping national identity (Gonzalez, 2017; Kilag et al., 2024).

Beyond local cultural awareness, the MATATAG Curriculum also broadens students' horizons by embracing a global perspective. In today's increasingly interconnected world, it is essential for students to understand and appreciate cultures outside their own. The curriculum provides opportunities for students to learn about international cultures through diverse subjects like literature, arts, and social studies. This approach helps foster multicultural competence, preparing learners to engage respectfully and effectively with people from different cultural backgrounds (Banks, 2008; Kilag, et al., 2023).

One of the key components of this global learning experience is the emphasis on understanding cultural diversity. Exposure to a wide range of cultural expressions encourages students to develop an open-minded perspective and to appreciate the uniqueness of each culture. This awareness helps dismantle stereotypes and prejudices, promoting inclusivity and social harmony within both the classroom and the larger community (Gay, 2010). By exploring cultural narratives from around the world, students learn the importance of tolerance and empathy.

Furthermore, the integration of cultural studies within the curriculum serves to enhance students' ability to critically engage with global issues. By understanding cultural differences and similarities, learners are better equipped to approach complex global challenges such as migration, globalization, and social inequality. This prepares them for leadership roles in diverse and multicultural settings, both locally and internationally.

Advancements in Technology, Learning Approaches, and Assessment

While the MATATAG Curriculum is well-aligned with 21st-century skills frameworks, there are areas where further improvements could enhance its effectiveness. One key area is the integration of technology into learning. Although the curriculum addresses information, media, and technology skills, there are opportunities to further incorporate digital tools to enhance personalized and collaborative learning experiences (Zhao & Frank, 2003; Puentedura, 2006).

Additionally, more emphasis could be placed on student-centered and inquiry-based learning approaches. These strategies promote deeper engagement and allow students to take more responsibility for their own learning, fostering curiosity and independent thinking (Harlen, 2015; Uy, et al., 2023).

Lastly, there is a need to improve assessment practices to better measure 21st-century skills. Traditional assessments such as exams and quizzes are limited in their ability to capture skills like collaboration and creativity. Performance-based assessments, portfolios, and other authentic assessment methods could provide a more comprehensive understanding of students' abilities (Wiggins, 1998; Boud, 1995).

Conclusion

The MATATAG Curriculum represents a significant step forward in the evolution of educational frameworks in the Philippines, embodying a holistic approach to preparing students for the complexities of the 21st century. By emphasizing critical thinking, communication, collaboration, and creativity, the curriculum aligns with global educational priorities and equips learners with essential skills for success in an increasingly interconnected world. Through its comprehensive framework, the MATATAG Curriculum not only addresses the need for academic proficiency but also fosters the development of key competencies necessary for navigating modern challenges.

A central strength of the MATATAG Curriculum lies in its integration of character education and citizenship, grounded in DepEd's core values. By emphasizing moral development and civic engagement, the curriculum aims to cultivate ethical behavior and social responsibility among students. Through service-learning projects and community involvement, learners are encouraged to become active, responsible citizens, prepared to contribute positively to society.

The curriculum's focus on cultural literacy further enhances its relevance in today's globalized context. By promoting an understanding and appreciation of both local and global cultures, the MATATAG Curriculum helps students develop multicultural competence and fosters a sense of global interconnectedness. This dual emphasis on cultural identity

and global awareness prepares students to engage respectfully with diverse perspectives and contribute to a more inclusive world.

Despite these strengths, opportunities for further enhancement exist. Strengthening the integration of technology-enabled learning experiences, adopting more student-centered instructional approaches, and refining assessment practices could further enhance the curriculum's effectiveness. By addressing these areas, the MATATAG Curriculum can better prepare Filipino learners for the evolving demands of the modern world.

The MATATAG Curriculum represents a forward-thinking initiative aimed at fostering holistic development among Filipino students. Its emphasis on 21st-century skills, character education, and cultural literacy aligns with global educational trends and addresses the multifaceted needs of learners in the 21st century. Through ongoing refinement and adaptation, the curriculum has the potential to significantly impact educational practice and learner outcomes in the Philippines, preparing students for success in both local and global contexts.

References:

Anderson, R. E., & Dexter, S. (2005). School technology leadership: An empirical investigation of prevalence and effect. *Educational administration quarterly*, 41(1), 49-82.

Banks, J. A. (2008). Diversity, group identity, and citizenship education in a global age. *Educational researcher*, 37(3), 129-139.

Battistich, V., Solomon, D., Kim, D. I., Watson, M., & Schaps, E. (1995). Schools as communities, poverty levels of student populations, and students' attitudes, motives, and performance: A multilevel analysis. *American educational research journal*, 32(3), 627-658.

Bellanca, J. A. (Ed.). (2010). *21st century skills: Rethinking how students learn*. Solution tree press.

Bennett, M. J. (1993). Towards ethnorelativism: A developmental model of intercultural sensitivity. *Education for the intercultural experience*, 2, 21-71.

Berkowitz, M. W., & Bier, M. C. (2005). What works in character education: A research-driven guide for educators.

Black, P., & Wiliam, D. (1998). Assessment and classroom learning. *Assessment in Education: principles, policy & practice*, 5(1), 7-74.

Blumenfeld, P. C., Soloway, E., Marx, R. W., Krajcik, J. S., Guzdial, M., & Palincsar, A. (1991). Motivating project-based learning: Sustaining the doing, supporting the learning. *Educational psychologist*, 26(3-4), 369-398.

Bonwell, C. C., & Eison, J. A. (1991). *Active learning: Creating excitement in the classroom*. 1991 ASHE-ERIC higher education reports. ERIC Clearinghouse on Higher Education, The George Washington University, One Dupont Circle, Suite 630, Washington, DC 20036-1183.

Boud, D. (2013). *Enhancing learning through self-assessment*. Routledge.

DepEd. (2019). DepEd Order No. 21, s. 2019: Policy Guidelines on the K to 12 Basic Education Program. https://www.deped.gov.ph/wp-content/uploads/2019/08/DO_s2019_021.pdf

Diano Jr, F. M. (2024). School Leadership In The 21st Century: A Grounded Theory. *Educational Administration: Theory and Practice*, 30(6), 2757-2766.

Diano Jr, F. M., & Calbi, J. S. (2024). School Leadership In The 21st Century: A Grounded Theory. *Educational Administration: Theory and Practice*, 30(6), 2757-2766.

Dillenbourg, P. (1999). *Collaborative learning: Cognitive and computational approaches*. advances in learning and instruction series. Elsevier Science, Inc., PO Box 945, Madison Square Station, New York, NY 10160-0757.

Duron, R., Limbach, B., & Waugh, W. (2006). Critical thinking framework for any discipline. *International Journal of teaching and learning in higher education*, 17(2), 160-166.

Ennis, R. H. (1987). A taxonomy of critical thinking dispositions and abilities.

Epstein, J. L., Sanders, M. G., Sheldon, S. B., Simon, B. S., Salinas, K. C., Jansorn, N. R., ... & Williams, K. J. (2018). *School, family, and community partnerships: Your handbook for action*. Corwin Press.

- Gay, G. (2018). *Culturally responsive teaching: Theory, research, and practice*. teachers college press.
- Gonzales, W. D. W. (2022). Interactions of Sinitic languages in the Philippines: Sinicization, Filipinization, and Sino-Philippine language creation. In *The Palgrave handbook of Chinese language studies* (pp. 369-408). Singapore: Springer Nature Singapore.
- Grant, A. M., Franklin, J., & Langford, P. (2002). The self-reflection and insight scale: A new measure of private self-consciousness. *Social Behavior and Personality: an international journal*, 30(8), 821-835.
- Hirsch Jr, E. D. (1988). *Cultural literacy: What every American needs to know*. Vintage.
- Johnson, D. W., Johnson, R. T., & Smith, K. A. (2014). Cooperative learning: Improving university instruction by basing practice on validated theory. *Journal on Excellence in University Teaching*, 25(4), 1-26.
- Kilag, O. K., Jesus, J., Uy, F., Sasan, J. M., Seblon, K., & Gier, R. A. (2024). Educational Transformation: Perspectives on the Implementation of the Matatag Curriculum in the Philippines. *International Multidisciplinary Journal of Research for Innovation, Sustainability, and Excellence (IMJRISE)*, 1(5), 306-311.
- Kilag, O. K., Andrin, G., Abellanos, C., Villaver Jr, M., Uy, F., & Sasan, J. M. (2024). MATATAG Curriculum Rollout: Understanding Challenges for Effective Implementation. *International Multidisciplinary Journal of Research for Innovation, Sustainability, and Excellence (IMJRISE)*, 1(5), 172-177.
- Kilag, O. K. T., Angtud, R. M. A., Uy, F. T., Alvez, G. G. T., Zamora, M. B., Canoy, C. B., & Sasan, J. M. (2023). Exploring the Relationships among Work Motivation, Job Satisfaction, Administrative Support, and Performance of Teachers: A Comprehensive Study. *International Journal of Scientific Multidisciplinary Research*, 1(3), 239-248.
- Kilag, O. K. T., Uy, F. T., Abendan, C. F. K., & Malbas, M. H. (2023). Teaching leadership: an examination of best practices for leadership educators. *Science and Education*, 4(7), 430-445.
- King, L., & Schielmann, S. (2004). *The challenge of indigenous education: Practice and perspectives* (pp. 113-122). Paris: Unesco.
- Ladson-Billings, G. (1995). But that's just good teaching! The case for culturally relevant pedagogy. *Theory into practice*, 34(3), 159-165.
- Lickona, T. (1992). *Educating for character: How our schools can teach respect and responsibility*. Bantam.
- Maceda Jr, E. P. (2020). Preemption in the Philippines: Illuminating an Opaque Doctrine. *Ateneo LJ*, 65, 1235.
- Means, B., Toyama, Y., Murphy, R., Bakia, M., & Jones, K. (2009). Evaluation of evidence-based practices in online learning: A meta-analysis and review of online learning studies.
- Mishra, P., & Koehler, M. J. (2006). Technological pedagogical content knowledge: A framework for teacher knowledge. *Teachers college record*, 108(6), 1017-1054.
- Milner IV, H. R. (2010). What does teacher education have to do with teaching? Implications for diversity studies. *Journal of Teacher Education*, 61(1-2), 118-131.
- Ministry of Education, Singapore. (2013). 21st century competencies framework. <https://www.moe.gov.sg/education-in-sg/21st-century-competencies>
- National Communication Association. (2020). Learning Outcomes in Communication: Undergraduate and Graduate Levels. National Communication Association. <https://www.natcom.org/learning-outcomes-communication>
- PuenteDura, R. R. (2013). SAMR: Getting to transformation. *Retrieved May, 31*, 265-283.
- Robinson, K. (2005). *How Creativity, Education and the Arts Shape a Modern Economy*.
- Ryan, R. M., Stiller, J. D., & Lynch, J. H. (1994). Representations of relationships to teachers, parents, and friends as predictors of academic motivation and self-esteem. *The Journal of Early Adolescence*, 14(2), 226-249.
- Sahlberg, P. (2021). *Finnish lessons 3.0: What can the world learn from educational change in Finland?*. Teachers College Press.

Sawyer, R. K., & Henriksen, D. (2024). *Explaining creativity: The science of human innovation*. Oxford university press.

Suárez-Orozco, M. M., & Qin-Hilliard, D. B. (2004). Culture and education in the new millennium. *Globalization: Culture and education in the new millennium*, 1-37.

Sue, D. W., Arredondo, P., & McDavis, R. J. (1992). Multicultural counseling competencies and standards: A call to the profession. *Journal of counseling & development*, 70(4), 477-486.

Trilling, B., & Fadel, C. (2012). *21st century skills: Learning for life in our times*. John Wiley & Sons.

Uy, F. T., Sasan, J. M., & Kilag, O. K. (2023). School Principal Administrative-Supervisory Leadership During the Pandemic: A Phenomenological Qualitative Study. *International Journal of Theory and Application in Elementary and Secondary School Education*, 5(1), 44-62.

Uy, F., Vestal, P., Villaver Jr, M., Andrin, G., Alipin, F. F. P., & Kilag, O. K. (2024). Navigating Diversity: Culturally Responsive Leadership in Diverse Educational Settings. *International Multidisciplinary Journal of Research for Innovation, Sustainability, and Excellence (IMJRISE)*, 1(3), 164-170.

Voogt, J., & Roblin, N. P. (2012). A comparative analysis of international frameworks for 21st century competences: Implications for national curriculum policies. *Journal of curriculum studies*, 44(3), 299-321.

Webb, N. L. (1997). Criteria for Alignment of Expectations and Assessments in Mathematics and Science Education. Research Monograph No. 6.

Wiggins, G. (1998). *Educative Assessment. Designing Assessments To Inform and Improve Student Performance*. Jossey-Bass Publishers, 350 Sansome Street, San Francisco, CA 94104.

Zhao, Y., & Frank, K. A. (2003). Factors affecting technology uses in schools: An ecological perspective. *American educational research journal*, 40(4), 807-840.