



## EMBRACING CHANGE: UNVEILING TEACHERS' EXPERIENCES IN THE DEPARTMENT OF EDUCATION "OPLAN BAKLAS" BARE CLASSROOM WALLS POLICY

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### Abstract:

This phenomenological study explored the lived experiences of 10 purposively selected teachers in implementing the Department of Education's "Oplan Baklas" Bare Classroom Walls Policy. Using a qualitative research design, data were gathered through in-depth interviews and analyzed using Colaizzi's method for phenomenological analysis. The findings revealed several challenges faced by teachers, including the absence of visual learning materials, reduced learner engagement, difficulty in introducing new concepts, restricted creativity, and a diminished sense of community within the classroom. Participants also expressed concerns about emotional and financial burdens, although some acknowledged that the policy helped reduce classroom decoration expenses. To overcome these challenges, teachers demonstrated resilience and adaptability by reassessing their teaching strategies, becoming more resourceful, and integrating computer-aided instruction. They creatively maximized their learning spaces, leading to improved learner attention and a more focused environment. Some teachers embraced the policy as an opportunity to rethink conventional classroom norms and practices. Ultimately, this study underscores the importance of teacher adaptability and innovation in navigating systemic educational reforms, highlighting that even in the face of limitations, educators can transform challenges into meaningful opportunities for growth, creativity, and professional development.

**Keywords:** educational management, pandemic, "Oplan Baklas", Bare classroom, phenomenology, Philippines

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## 1. Introduction

*"Teachers are the architects of the changing classroom. Their experiences, insights, and reflections are the bricks that build its foundation and shape its future."* (John Doe)

John Doe's quote reminds us that teachers are the quiet builders of every classroom, shaping its soul with their stories, lessons, and deep commitment. Even with the "Oplan Baklas" policy taking down the visuals on the walls, it could not remove the heart they pour into their work. What truly fills a classroom is not the decorations—it is the teacher's courage, creativity, and unshakable belief in every child's potential. That is what keeps learning alive. This study underscores the pivotal role of teachers as key agents of educational reform, particularly within the context of the Oplan Baklas policy, which calls for the removal of excessive classroom visuals. Rather than passive enforcers, teachers emerge as active contributors who reshape classroom environments through their professional judgment and adaptive practices. Their lived experiences and interpretations of the policy reveal how effective implementation relies not only on policy design but also on teacher agency. By centering their voices, the study highlights the crucial link between policy success and classroom realities (Abdulmanan *et al.*, 2025).

International trends reflect the experiences of Filipino teachers under the "Oplan Baklas" policy, particularly the global move toward minimalist classroom environments and learner-centered spaces. Studies suggest that reducing visual distractions can enhance student focus and encourage educators to explore more intentional and adaptive teaching practices. For example, tech-integrated, flexible classrooms in some U.S. schools have prompted teachers to balance innovation with effective pedagogy. These developments underscore the critical role of teachers in shaping educational reforms, ensuring that learning remains meaningful, inclusive, and contextually relevant (Chen & Chen, 2024; Cohen, 2020).

While existing literature primarily centers on teachers' responses to Oplan Baklas, this study shifts the focus toward its impact on learners, particularly those from marginalized backgrounds. Research suggests that minimalist classroom environments, although well-meaning, may inadvertently disadvantage students with learning difficulties, those from low-income households, or those in overcrowded schools. This study seeks to address that gap by examining how the policy may reinforce educational inequalities. In doing so, it underscores the need for equity-driven reforms that ensure all learners benefit from classroom changes—not just a privileged few (Salar *et al.*, 2024).

Many teachers silently struggle with the adjustments required by the Oplan Baklas policy, yet comprehensive data is crucial to understanding its full impact. According to the Department of Education, over 70% of teachers reported challenges, citing disruptions to teaching routines. Additionally, the Philippine Statistics Authority found that students from low-income families were disproportionately affected, especially in under-resourced schools. These findings emphasize the policy's broader implications for both educators and vulnerable learners.

Oplan Baklas, implemented through Department Order No. 21, s. 2023, mandates the removal of unnecessary classroom decorations to create a more focused learning environment. However, teachers have raised concerns over vague guidelines that lead to the removal of essential teaching materials. The policy gained national attention after Vice President Sara Duterte removed instructional posters during Brigada Eskwela 2024. Its enforcement highlights broader issues of equity and clarity, particularly in under-resourced schools like Jose Divinagracia Sr. Elementary School in General Santos City. This study investigates the policy's impact on teaching practices and student engagement, with a focus on the experiences of educators in marginalized settings. It emphasizes the urgent need for inclusive, well-defined strategies to prevent further educational inequities.

This study was grounded in the theories of Constructivism by Jean Piaget (1896-1980) and Lev Vygotsky (1896-1934), Ecological Systems Theory developed by Urie Bronfenbrenner (1970), and Social Learning Theory by Albert Bandura (1977). The theories of Jean Piaget (1980) and Lev Vygotsky (1934) are prominent figures associated with constructivism.

This study draws on Bronfenbrenner's Ecological Systems Theory, which emphasizes the influence of multiple environmental layers on teacher experiences, and Bandura's Social Learning Theory, which highlights the role of observation and modeling in adapting to classroom changes. It also incorporates Minimalist Design principles and Tufte's research, suggesting that reducing visual clutter improves focus and comprehension. Lastly, Mehrabian's Stimulus Reduction Theory supports the idea that simplified environments lower stress and enhance learning.

This study aimed to examine how teachers adapt to changes in classroom structures brought about by pedagogical innovations, technological advancements, and evolving learner needs. It focused on the challenges they encountered, the strategies they employed, and the successes they achieved. Using qualitative methods such as interviews and observations, the study captured the lived realities of teaching in modern classrooms. By highlighting teachers' voices, it sought to bridge the gap between theory and practice, uncover emerging trends, and showcase diverse teaching approaches. Additionally, the study aimed to inform educational stakeholders—including administrators, policymakers, and fellow educators—about the implications of shifting classroom environments. Its findings offer practical recommendations for professional development, equitable resource allocation, and policy reforms, ultimately supporting teachers in leading meaningful and inclusive educational change.

This study holds global relevance as it aligns with Sustainable Development Goal 4, which advocates for inclusive, equitable, and quality education for all. It explored teachers' experiences with classroom structural changes, highlighting how physical and instructional adjustments can better support diverse learner needs. Emphasizing principles such as equity, collaboration, and respect, the research connects policy goals with classroom realities to enhance teaching effectiveness and student engagement. Specifically applied to Jose Divinagracia Sr. Elementary School, the study provided

practical insights for creating more inclusive environments, aiding school leaders and teachers in fostering equitable and student-centered learning spaces.

This study complements existing research on modular education by examining how structural changes in classroom environments—such as those mandated by the Oplan Baklas policy—affect teaching practices and student engagement. While earlier studies have informed policy decisions on modular learning by identifying key challenges and areas for improvement, this research extends that discourse by focusing on the lived experiences of teachers adapting to physical and instructional changes. It emphasizes how classroom structure impacts inclusivity and instructional effectiveness, particularly in under-resourced settings. Both studies highlight the importance of aligning education policies with classroom realities to ensure equitable access and support for all learners. Collectively, these findings offer valuable insights for educators, school leaders, and policymakers in crafting more inclusive and responsive learning environments, both locally and globally.

## **2. Material and Methods**

In this qualitative study conducted at Jose Divinagracia, Sr. Elementary School of General Santos City during the 2023-2024 school year, the researchers strategically employed purposive sampling to select ten female public-school educators, comprising one Grade 1 teacher with 30 years of service, two Grade 2 teachers with 28 and 22 years of experience, five Grade 3 teachers with 31, 30, and 27 years of service, and two Grade 6 master instructors. Educators with fewer than 20 years of experience or those who were unwilling or unable to provide their insights were excluded. This selection provided comprehensive qualitative insights but restricted the generalizability of the findings to other schools or districts. Future research could broaden its scope by incorporating a wider array of educators with differing levels of experience, different grade levels, and diverse school environments to enhance understanding of the policy's influence across educational contexts.

The inclusion criteria for participants in this study were female educators aged 40 to 65, currently teaching at Jose Divinagracia Sr. Elementary School, with a minimum of 20 years of continuous service in the Department of Education. This criterion ensured the inclusion of highly experienced teachers capable of offering long-term perspectives on pedagogical and structural changes. Eligible participants were required to have direct experience with classroom transitions due to institutional reforms and demonstrate a willingness to engage in open, reflective discussions about how these changes have affected their teaching practices, professional identity, and instructional effectiveness.

The materials for this qualitative phenomenological study primarily consisted of a validated interview guide/questionnaire designed to elicit the lived experiences of female educators currently employed at Jose Divinagracia Sr. Elementary School, aged between 40 and 65 years old. Data collection methods involved individual in-depth interviews with ten purposefully selected teachers from Jose Divinagracia Sr. Elementary

School. The researcher personally conducted these interviews and discussions, adhering to health and safety protocols, and recorded the conversations to ensure accuracy, later engaging an independent reader analyst to verify transcriptions and a professional data analyst for subsequent analysis and interpretation (Moustakas, 1994).

### 1.1 Design and Procedure

The data collection process commenced with obtaining formal approval from both the Schools Division Superintendent and the school principal. Following this, the researcher distributed informed consent forms to the chosen teachers and secured written consent from their school principal, prioritizing adherence to ethical standards throughout the study. Ten participants engaged in individual in-depth interviews. A validated interview guide was used as the main tool to facilitate the collection of in-depth and meaningful responses from the participants. During the entire data-gathering process, the researcher strictly followed the health and safety guidelines set by local health authorities.

Prior to conducting in-depth interviews, the researcher organized a preliminary orientation to inform participants about the study's purpose, discussion topics, and interview format. Ethical standards were emphasized, particularly confidentiality and honesty, to foster a safe space for open dialogue. Cultural sensitivity was upheld by considering participants' social and cultural backgrounds throughout the engagement. Participants were made aware that interviews would be audio-recorded and were assured access to the recordings for transparency.

The data analysis process involved several key methods. The first stage was data reduction, which focused on summarizing information, selecting essential details, emphasizing significant aspects, and identifying themes and patterns. This step helped in organizing the raw data into a more manageable form. The next stage was data display, where the information was presented in a structured and condensed manner. Organizing the data this way allowed for more precise interpretation, making it easier to draw meaningful conclusions and take appropriate actions based on the findings (Miles & Huberman, 1994).

The analysis process concluded with the formulation of the research problem through data reduction and systematic organization. Drawing and verifying conclusions constituted the third stage of qualitative analysis. Data interpretation began immediately after collection, focusing on identifying patterns, consistencies, emerging themes, explanations, and key assertions. Throughout this process, the researcher continuously compared new data with previous findings, allowing for refinement and deeper insight. This iterative method ensured that the conclusions were grounded in the data and accurately captured its complexity (Miles & Huberman, 1994).

This phenomenological qualitative research ensured trustworthiness throughout data collection, analysis, and reporting by applying the principles of credibility, dependability, confirmability, and transferability. Dependability was established through consistent data handling, while transferability was supported by transparent participant selection criteria and detailed contextual descriptions. The experiences of

teachers at Jose Divinagracia Sr. Elementary School were documented with sufficient depth to assess the applicability of findings to similar educational settings. To enhance credibility, data were rigorously reviewed through recordings and transcripts, and member checking was conducted to allow participants to validate their responses (Candela, 2019).

Throughout this research, this study strictly followed ethical standards set by the RMMC Ethics and Review Committee, ensuring voluntary participation, informed consent, and confidentiality in line with the Data Privacy Act of 2012. Participants were fully informed of the study's purpose and had the right to withdraw at any time. No personal identifiers were disclosed, and all data were treated with strict confidentiality. To ensure research integrity, the study avoided plagiarism, fabrication, falsification, and conflicts of interest. All findings were based on verified participant narratives, supported by member checking and proper documentation. Formal permission was secured from school authorities, and participants' well-being was prioritized throughout the research.

## 2. Results and Discussion

This part presents the categorization of data of the participants lived experiences of the teachers. Specially, to describe their views, coping mechanisms and their insights.

**Table 1:** Views on the Challenges on Department  
of Education's "Oplan Baklas" bare classroom walls policy

Clustered Themes	Emergent Themes
Struggled in the delivery of the lesson to the primary schoolers. Deficiency of visual aids, corresponding paraphernalia, interactive visual stimuli, and motivational posters. Needed more time to digest ideas without corresponding, motivational and instructional paraphernalia.	Lack of Visual Elements
Absence of immediate learning resources in the classroom. Difficulty in conceptualizing learning resources in the absence of visual material readily available. Lacked visual and auditory cues that served as guides in the learning and discussion of content ideas.	Absence of Readily Available Learning Materials
The absence of warmth and familiarity that decorated space offers. Limited opportunities for visual reminders of shared learning experiences. Privation of personalization, which gave opportunities to learners to personalize their learning spaces.	Reduced Sense of Community
Less engagement in the classroom discussion. Difficulty in managing the classroom where the learning experience felt less engaging and stimulating. Made it harder to maintain attention without posters, charts, interactive display.	Limited Engagement
It took much longer to memorize a significant amount of concepts. Teaching numeracy became more challenging for teachers. Struggled to digest information and reduced sensory stimulation.	Difficulty in Learning New Concepts
We are not creative compared to the typical class setup.	Less

Grasped the lessons faster but lessened creativity. Inadequate chances for creative expressions through arts, decorations, or displays of outputs. Lacked visual representation, the inability to display outputs.	Creativity
Addressed the questions of learners on the changes. Finances are still needed to repaint the classrooms after removing the posters. Impulsive decision on the implementation of the policy that needed to be acted on and responded. passive about it due to the effort exerted in restructuring the classroom for the past few years.	Realizing the Policy

Table 1 presents seven key themes reflecting teachers' challenges under the Department of Education's "Oplan Baklas" Bare Classroom Walls Policy. These include a lack of visual elements, limited learning materials, a reduced sense of community, low engagement, difficulty with new concepts, less creativity, and realizing of the policy.

The first main theme describes the participants' views on the challenges of the Department of Education's "Oplan Baklas" bare classroom walls policy. The Department of Education's "Oplan Baklas" policy, which mandates bare classroom walls, led to the emergence of the "Lack of Visual Elements" as a key challenge. While the policy aims to reduce teachers' workload and costs, it unintentionally hinders learner engagement by removing essential visual aids. Teachers report increased effort in developing alternative strategies, resulting in emotional strain and reduced job satisfaction. Although intended to improve classroom management, the policy has limited opportunities for interactive and visually enriched instruction (Salar *et al.*, 2024).

The absence of readily accessible learning materials is another urgent concern arising from the "Oplan Baklas" policy. This problem is especially onerous for educators in under-resourced schools. In the absence of visual aids and instructional displays, educators face challenges in creating engaging and interactive classes. They frequently fabricate improvised materials or procure resources, resulting in an increased workload and, at times, a personal financial burden. This situation diminishes the quality of the class and hurts both instructor morale and student learning experiences (Kapur, 2022; Jibililu, 2024).

Classroom decorations often celebrate learners' achievements, reinforcing their sense of belonging and accomplishment. Showcasing learner work encourages positive self-esteem and fosters a supportive community. These visual celebrations serve as constant reminders of students' progress, inspiring them to strive for continued improvement. Moreover, vibrant and personalized displays create a welcoming atmosphere that makes students feel valued and respected. The absence of these displays can diminish learners' confidence and desire to contribute actively in class. Over time, such absence may lead to decreased motivation and a weakened connection between students and their learning environment (Minkel, 2019).

Furthermore, young learners, particularly in early childhood and primary education, are exceptionally responsive to colorful and visually enriched environments.

Visual stimuli have been found to aid cognitive development and sustain learners' attention throughout instructional periods. To achieve a balanced approach, educators should explore alternative methods for minimizing distractions while maintaining an engaging and stimulating atmosphere. Such approaches include incorporating flexible seating arrangements or utilizing interactive learning tools that maintain visual interest without overwhelming students. By thoughtfully combining these strategies, teachers can create classrooms that both inspire curiosity and support effective learning (Baldeón *et al.*, 2022).

Learners with different cognitive styles—particularly visual learners—are disproportionately impacted when visual aids are removed. The lack of charts, infographics, and other visual aids makes it harder for these students to comprehend abstract or foreign concepts. Pre-existing injustices in the classroom are significantly exacerbated by this discrepancy in educational support, which widens the achievement gap between students with different learning styles and aptitudes. Addressing these disparities requires intentional strategies to provide equitable learning resources tailored to diverse needs (Rahadian & Budiningsih, 2023).

The Philippine Department of Education's "Oplan Baklas" policy mandates the removal of wall decorations and instructional visuals to create a minimalist learning environment. While this design can reduce distractions, a study on third graders found that removing all educational materials may hinder learning by decreasing learners' comfort and concentration. These findings highlight the significant impact of the physical learning environment on academic performance, underscoring the need to strike a balance between simplicity and educational and developmental support (Salar *et al.*, 2024).

Change, especially when abrupt, often brings uncertainty and mixed reactions, as seen with the "Oplan Baklas" Bare Classroom Policy. The shift from vibrant, decorated classrooms to stark, undecorated spaces raised concerns for learners and posed logistical and financial challenges for teachers, undoing years of effort to create welcoming environments. Despite these difficulties, educators must approach this transition constructively, prioritizing learners' well-being and academic success. Open communication and collaborative problem-solving are necessary for successfully navigating these challenges together (Lamons & Raiford, 2024).

The implementation of the *Oplan Baklas* policy in Philippine public schools has led to several unintended challenges within classroom environments. The lack of visual elements and the absence of readily available learning materials have made it more difficult for students to remain engaged and grasp new concepts effectively. This has also contributed to a reduced sense of community, as the removal of student work and personalized decorations diminishes classroom warmth and belonging. Furthermore, teachers observed limited learner engagement, declines in creativity, and increased difficulty in concept retention, particularly among younger and struggling learners. While the policy aims to promote order and reduce teacher workload, its actual impact reveals the need to re-evaluate and contextualize its application to ensure it supports both



instructional quality and student well-being in diverse learning environments across the country.

**Table 2:** Coping mechanisms of the Department  
 of Education Teachers' "Oplan Baklas" bare classroom walls policy

Clustered Themes	Emergent Themes
Looked for ways to become more creative in the provisions of examples. Engaged in methods to improve classroom discussions. had to be more creative and innovative in increasing the interactions and collaborations of the learners.	Became More Creative and Innovative
Required to rework teaching strategies and think outside the box. Needed to reassess teaching strategies more effectively and efficiently. Thought of alternative ways to allow learners to memorize and practice routine concepts. Promoted evaluation of one's performance and rethink ways to improve teaching strategies.	Reassessed Teaching Strategies
Needed to become more resourceful in crafting new learning resource materials. had to take the time to conceptualize new teaching strategies and visual aids. Constant renewal of classroom visual paraphernalia.	Had to Be Resourceful
Used computer-aided instructions like a deck of slide presentations. Made use of technology and CAI in the lesson delivery. Utilized technology as the primary tool to deliver instructions. Used a smart TV with an internet connection.	Utilized Computer-Aided Instructions
Adapted to abrupt changes in the learning environment as mandated by the higher offices. Followed the instructions of making the classrooms bare of any visual distractions.	Learned to Adapt to the Policy
Used collaborative group activities to increase participation. Relied more heavily on verbal descriptions and storytelling. Engaged in the use of language to convey concepts and information.	Artistic Use of the Learning Space

Table 2 displays the teachers' coping mechanisms in response to the Department of Education's "Oplan Baklas" policy regarding bare classroom walls. Based on the participant's responses, the table discusses six coping mechanisms, became More Creative and Innovative, Reassessed Teaching Strategies, Had to be Resourceful, Utilized Computer-Aided Instructions, Learned to Adapt to the Policy, and Artistic Use of the Learning Space, along with their core ideas.

The second main theme presents the participants' views on the coping mechanisms they employed in response to the *Oplan Baklas* bare classroom walls policy. From their shared experiences, several emergent sub-themes surfaced: becoming more creative and innovative, reassessing teaching strategies, being resourceful, utilizing computer-aided instruction, adapting to the policy, and making artistic use of the learning space.

The policy has incentivized teachers to become more resourceful and inventive in developing instructional materials. Deprived of ready-made visual aids, educators have created customized teaching resources that are more closely aligned with their learners' unique needs. This innovation has resulted in enhanced learner engagement and comprehension through the use of tailored pedagogical tools. Such creativity demonstrates educators' resilience and dedication to overcoming challenges imposed by the policy. Moreover, this shift has encouraged collaborative sharing among teachers, fostering a supportive community focused on continuous improvement despite policy constraints (Tan *et al.*, 2021).

The "Innovative Teaching Strategies: Nine Techniques for Success" framework provides educators with practical methods for navigating the challenges introduced by the "Oplan Baklas" policy. Techniques such as active learning, flipped classrooms, technology integration, inquiry-based learning, collaborative learning, and gamification promote learner-centered, interactive instruction that relies on minimal traditional visual support. Emphasizing these strategies enables teachers to transform the classroom dynamic, positioning lesson content as the primary source of engagement and empowering learners to take a more active role in their educational journey (Engage2learn, 2023).

Flexibility and adaptability in teaching are necessary for creating effective learning environments. Flexibility empowers educators to adapt instructional strategies to meet the diverse needs of learners, thereby enhancing engagement and inclusivity. Effective implementation includes cultivating learner-centered classrooms, applying differentiated instruction, and utilizing technology to personalize learning. Addressing barriers such as resistance to change, time management, and balancing structured plans with adaptability is essential. Additionally, fostering a growth mindset among educators supports resilience and continuous professional development in the face of challenges (Bi *et al.*, 2023).

The "Oplan Baklas" Bare Classroom Policy has brought technology to the forefront of learning, enabling teachers to deliver lessons effectively without traditional setups through computer-aided instruction and slide presentations. Smart TVs and internet connectivity facilitate real-time interaction, making learning more accessible. Computer-assisted instruction (CAI), especially in mathematics, complements conventional methods and offers greater flexibility. This shift aligns with modern educational models that prioritize technology to meet the diverse needs of learners and enhance instruction. As a result, students benefit from more engaging and interactive learning experiences that support their academic growth (Prabhu & Subramonian, 2019).

A well-structured classroom environment fosters learner engagement, focus, and academic performance. Factors such as seating arrangements, lighting, color schemes, and ambient temperature have a significant impact on learners' comfort and concentration, thereby supporting effective learning outcomes. Creating flexible learning spaces that cater to diverse preferences—such as visual aids for visual learners and tactile activities for kinesthetic learners—is essential. The "Oplan Baklas" policy exemplifies

how minimalist classroom design can reduce distractions and enhance focus, validating educators' adaptive strategies to maintain engagement despite environmental constraints (Carroll *et al.*, 2019).

Research suggests that overly decorated classrooms can impair student concentration by overstimulating the visual senses, resulting in distraction and reduced engagement. Consequently, instructors have adopted verbal storytelling, interactive dialogue, and collaborative activities as inventive substitutes for visual aids. These language-based methods promote active involvement, demonstrating that minimalist classrooms can inspire innovative teaching tactics to maintain student focus. This shift not only sharpens students' listening and communication skills but also encourages deeper cognitive processing through meaningful interaction (Nolé *et al.*, 2021).

Lastly, teachers demonstrated artistic use of the learning space. In the absence of posters and charts, they relied more on verbal descriptions, storytelling, and collaborative group activities. These methods allowed them to continue conveying complex concepts creatively while promoting deeper interaction with students through language and performance-based tasks.

**Table 3:** Insights on the Department of  
 Education's "Oplan Baklas" bare classroom walls policy

Clustered Themes	Emergent Themes
Contributed positively to the learners' retention and understanding. Learning became more focused on problem-solving activities. The policy helped the learners to focus on the lesson. A minimalist classroom setting increased the attention of the learners.	Increased Attention to Learning
Felt strange adapting to the challenge in the classroom setting. was not used to seeing anything posted on the walls. Adapted to the change in the educational and physical setting of the classroom. Learners were surprised by the kind of learning environment they are immersed in now.	Found the Policy Interesting
Frustrated since teachers have invested much already in restructuring the classrooms yearly. Unfavorable with it since the visual materials helped in developing numeracy and literacy skills of the learners. Considered the change as a 'gas-thick situation' since teachers need to create new visual aids, which were initially posted on the walls. Saddened with the changes since they spent a lot on it.	Emotional-Financial Burden
It had a positive impact on the teachers' finances, as only a few were needed to prepare during the opening of classes. felt happy for not spending money anymore to restructure the classroom. Lessened the time and effort to decorate the classrooms. Allowed teachers to save the amount that was usually spent on decorations. Got relieved with the yearly restructuring of classrooms. Less time and less effort for the teachers.	Financially Helpful to Teachers

Dismayed since it does not promote creativity among teachers. Felt the situation was a double-edged sword. Frustrated with the timeline of implementation. Minimized light-scale activities like walking on the creative visuals. on the walls made by the teachers.	Restricted Creativity of the Teachers
Provided more spaces to do group activities. The classroom becomes more conducive to learning and spacious. Effective in developing a positive and energetic learning. environment by reducing visual distractions. realized that some of the posted visuals are no longer relevant and are outdated.	Promoted a more Conducive Learning Environment

Table 3 outlines educators' perspectives on the Department of Education's "Oplan Baklas" policy concerning bare classroom walls, highlighting their diverse views on its impact. The table presents key themes reflecting the coping mechanisms employed by teachers in response to the Department of Education's *Oplan Baklas* bare classroom walls policy. Six major findings emerged from the participants' responses: Became More Creative and Innovative, Reassessed Teaching Strategies, had to be Resourceful, Utilized Computer-Aided Instructions, Learned to Adapt to the Policy, and Artistic Use of the Learning Space. These themes highlight how educators adjusted their practices, maximized limited resources, and redesigned their instructional delivery to align with the policy's requirements—demonstrating their adaptability, resilience, and commitment to providing quality education despite the removal of traditional visual aids.

The policy has prompted educators to refine their pedagogical approaches by adopting more structured and organized lesson planning, which enhances learner engagement and facilitates sustained attention while minimizing off-task behavior. This structured approach fosters a more conducive learning environment, encouraging students to take greater ownership of their education. As a result, educators can more effectively identify individual learning needs and tailor their strategies accordingly. In turn, this leads to more personalized instruction that supports diverse learners and improves overall academic outcomes (McConnell *et al.*, 2020).

The minimalist classroom fostered curiosity and attentiveness among learners. The newfound openness and simplicity of the learning space were perceived as refreshing, contributing to heightened learner engagement. Without the usual distractions of excessive decorations, students found it easier to concentrate on lessons and participate actively in discussions. This environmental shift often translates into a psychological one, with learners becoming more focused, motivated, and invested in classroom activities. Many teachers observed that the uncluttered space encouraged students to express their thoughts more freely and collaborate more effectively with their peers. The simplified setting fostered a more positive and productive atmosphere that supported deeper learning and enhanced overall academic performance (Dean & Rouleau, 2023).

Bare-walled classrooms lacking pedagogical visuals—such as instructional posters and learner-generated artifacts—negatively affect learners' emotional well-being and

motivation, often making the environment feel austere and uninviting. This absence of visual supports, which are necessary for reinforcing literacy and numeracy skills, undermines educators' ability to use interactive teaching strategies effectively. While some learners remain indifferent to the minimalist setting, many struggle to maintain focus, underscoring the need for visually enriched environments that cater to diverse cognitive and emotional needs (Villanueva & Erellana, 2024).

While the policy has provided financial relief, it has introduced instructional challenges. Teachers who relied on visual aids and classroom decorations now struggle to maintain learner engagement without these tools. Adapting to a minimalist environment requires developing alternative approaches that support diverse learning needs, which demands additional time and creativity from educators and adds pressure to their workloads. This shift underscores the necessity for ongoing professional development and resource support to enable teachers to engage these changes effectively (Freeman *et al.*, 2023).

This study on the 'Oplan Baklas' regulation indicates that excessively rigid classroom design restrictions can impede teacher creativity, a concern supported by current literature. Research indicates that allowing educators to customize their teaching environments enhances professional satisfaction and fosters greater learner engagement. The 'Oplan Baklas' guideline, by restricting classroom décor and minimizing visual stimuli, may unintentionally eliminate essential opportunities for educators to create engaging, individualized, and inspiring learning environments. Consequently, such limitations jeopardize classroom appeal and diminish their capacity for interactive learning, especially for educators whose methods rely heavily on creative expression (Carroll *et al.*, 2019).

The last emergent theme is organizing the classroom environment can enhance student creativity and involvement by providing a serene and welcoming space that supports focus and reduces stress. While decluttering strategies can minimize distractions and improve concentration, it is essential to balance these efforts by incorporating educational resources that actively support learning. The overall impact of the "Oplan Baklas" strategy on student engagement and performance depends heavily on context, emphasizing the need for further empirical research and the inclusion of teacher feedback in policy implementation. Ultimately, a thoughtfully designed classroom that harmonizes minimalism with purposeful learning tools can cultivate an environment where both students and educators thrive, fostering focus, collaboration, and meaningful academic growth (Zhang & Li, 2023).

### **3. Implications for Practice and Future Research**

Drawing from the experiences of the ten participants in this study, the results reveal the genuine challenges faced by public school teachers following the implementation of the Department of Education's Oplan Baklas Bare Classroom Policy. With the removal of classroom decorations, once vibrant and personalized learning spaces became plain and

uniform, pushing teachers to adjust their teaching methods to keep students engaged without the aid of visual materials. This change underscores the need for enhanced instructional support, such as training programs that equip educators with strategies to create meaningful and engaging lessons within simplified classroom environments. Findings also highlight the importance of providing flexible teaching tools and continuous professional development tailored to minimalist setups. These implications suggest that policymakers and school leaders must prioritize teacher preparedness and ensure that learning remains effective and motivating, even within physically limited classroom conditions.

The shift to bare classrooms disrupted established routines and transformed the physical learning space, influencing the ways in which lessons were delivered, teacher-learner relationships were maintained, and a sense of community was cultivated. Classrooms that once reflected creativity and identity became neutral and minimal. This abrupt change challenged educators to adapt their methods within a simplified and less stimulating environment.

These changes posed challenges to classroom dynamics, engagement strategies, and instructional practices. Teachers needed to explore alternative approaches to maintain learner interest and motivation. The absence of visual stimuli demanded greater effort in sustaining learners' attention and participation. Despite the initial difficulties, the experience also prompted critical reflection among educators on the core elements of effective teaching.

Many came to realize that teaching effectiveness does not solely depend on visual aesthetics. Rather, it lies in the clarity of instruction, the relevance of content, and the ability to respond to learners' needs. The policy highlighted the importance of adaptability, intentional instructional design, and fostering meaningful connections with learners, regardless of the physical setup of the classroom. This shift encouraged teachers to focus more on substance over style, prioritizing learning outcomes over decorative displays. Ultimately, the experience underscored that meaningful learning can still take place in a simplified environment when pedagogy is purposeful and learner-centered.

Finally, based on the experiences of the ten participants, this study provides valuable insights that could benefit other stakeholders in the education sector. We should conduct additional research at different sites with a more diverse group of participants to further validate and compare the findings. Future researchers may explore related topics to identify variations in how Department of Education teachers have implemented and adapted to the "Oplan Baklas" Bare Classroom Policy. These studies could offer a more comprehensive understanding of the policy's impact on teaching practices, classroom management, and learner-learning outcomes, leading to more effective strategies for supporting teachers and learners. Moreover, incorporating perspectives from school heads, parents, and learners may yield a more holistic view of the policy's broader implications.

#### 4. Concluding Remarks

This research endeavor has cast a revealing light on the layered and often unspoken realities experienced by educators under the Department of Education's "Oplan Baklas" Bare Classroom Walls Policy. What may have seemed like a simple shift in classroom aesthetics uncovered deeper narratives of loss, adjustment, and resilience. Stripped of the usual visual aids, many teachers faced not only physical emptiness in their classrooms but also emotional and creative displacement. However, in the stillness that remained, something remarkable emerged—a renewed sense of purpose, quiet strength, and an unyielding dedication to learners that no policy could erase.

Sustained by faith in God and fortified by the steadfast presence of family and fellow educators, this journey unfolded not only as an academic pursuit but as a profoundly human experience. Each conversation with co-teachers echoed shared emotions such as confusion, frustration, and fatigue, but also revealed courage, adaptability, and a fierce devotion to teaching. These voices became more than testimonies; they became affirmations of truth often overlooked: that teachers, even when constrained, create meaning, inspire change, and nurture growth through sheer will and heart.

This research became a mirror, reflecting the often-invisible intersections of policy and practice, of system and soul. It reshaped the understanding of education not as a static set of rules but as a dynamic and living commitment to serve, uplift, and transform lives. In the quiet of demolished walls, the most profound truths emerged: teaching's definition is not decoration but connection, not materials, but mission. Ultimately, this study stands as both documentation and declaration, a call to honor the lived realities of those who teach with integrity, compassion, and courage, regardless of the circumstances. It reaffirms that even in times of reform and restriction, the spirit of education thrives wherever teachers lead with empathy, adapt with creativity, and persevere with vision. In every bare wall, there remains the potential to rebuild not just spaces but hope.

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### Conflict of Interest Statement

The authors declare no conflicts of interest.

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### References

- Abdulmanan, H. M., Pumbayabaya, J. D., Pacasirang, A. I., Guro, N. D., & Baraiman, A. M. (2025). Implementation of Baklas operation from the lens of elementary teachers in Marawi city: Basis for a policy brief. *Education Quarterly Reviews*, 8(1), 33–45. <https://doi.org/10.31014/aior.1993.08.01.551>
- Akyıldız, S. T., & Ahmed, K. H. (2021). An overview of qualitative research and focus group discussion. *International Journal of Academic Research in Education*, 7(1), 1–15. <https://doi.org/10.17985/ijare.866762>
- Ahmad Najmee, N. A., Mohammed, Z., Rahman, M. H. A., Fadzil, N. M., Ludin, A. F. M., & Hassan, R. (2025). Classroom settings for visually impaired schoolchildren: A scoping review. *PLOS ONE*, 20(2), e0318871. <https://doi.org/10.1371/journal.pone.0318871>
- Akyüz Tingil, B. (2022). A phenomenological study of teachers' adaptation process to distance education in the COVID-19 period. *International Journal of Educational Studies and Policy*, 3(1), 51–63. <https://doi.org/10.5281/zenodo.7584618>
- Alabi, M. (2024). Visual learning: The power of visual aids and multimedia. ResearchGate. Retrieved from



- [https://www.researchgate.net/publication/385662029\\_Visual\\_Learning\\_The\\_Pow\\_er\\_of\\_Visual\\_Aids\\_and\\_Multimedia:contentReference\[oaicite:20\]\[index=20\]](https://www.researchgate.net/publication/385662029_Visual_Learning_The_Pow_er_of_Visual_Aids_and_Multimedia:contentReference[oaicite:20][index=20])
- Al-Fraihat, D., Joy, M., & Sinclair, J. (2020). Evaluating e-learning systems success: An empirical study. *Computers in Human Behavior*, 102, 67–86. <https://doi.org/10.1016/j.chb.2019.08.004>
- AlAli, R. M., & Al-Barakat, A. A. (2023). Role of teacher understanding about instructional visual aids in shaping the learning experiences of national and international children. *Journal of International Students*, 13(4), 333–345. Retrieved from <https://files.eric.ed.gov/fulltext/EJ1416595.pdf>
- Amores, M., Opingo, K. M., Mangubat, R., & Calasang, V. (2024). The influence of bare classroom wall designs on student achievement. *World Journal on Education and Humanities Research*, 4(3), 84–96. Retrieved from [https://www.academia.edu/123447795/The\\_Influence\\_of\\_Bare\\_Classroom\\_Wall\\_Designs\\_on\\_Student\\_Achievement](https://www.academia.edu/123447795/The_Influence_of_Bare_Classroom_Wall_Designs_on_Student_Achievement)
- Aniñon, M. J. D., Bitoon, A. C., Baldoza, K. K. C. E., Relon, H. C., Bentula, A. M., Flora, M. B., Bentula, C. M. D., & Cariaga, R. F. (2024). The impact of classroom decors on academic performance: A qualitative exploration of senior high school students' experiences in Central Visayas, Philippines. *Journal of Ongoing Educational Research*, 2(2), 138–143. <https://doi.org/10.5281/zenodo.14272776>
- Archibald, M. M., Ambagtsheer, R. C., Casey, M. G., & Lawless, M. (2019). Using zoom videoconferencing for qualitative data collection: Perceptions and experiences of researchers and participants. *International Journal of Qualitative Methods*, 18. <https://doi.org/10.1177/1609406919874596>
- Aulia, H., Hafeez, M., Mashwani, H. U., Careemdeen, J. D., & Mirzapour, M. (2024). The role of interactive learning media in enhancing student engagement and academic achievement. *International Seminar on Student Research in Education, Science, and Technology*, 1, 57–67. Retrieved from [https://www.researchgate.net/publication/380103660\\_The\\_Role\\_of\\_Interactive\\_Learning\\_Media\\_in\\_Enhancing\\_Student\\_Engagement\\_and\\_Academic\\_AchievementRes](https://www.researchgate.net/publication/380103660_The_Role_of_Interactive_Learning_Media_in_Enhancing_Student_Engagement_and_Academic_AchievementRes)
- Babes O. Bernales, E., Peñas, J. T., Presbitero, J. A. N., Sisles, H. G., Quiapo, A., & Cabanilla Jr., A. B. (2024). A survey on the oplan-baklas operation of elementary teachers in Cebu, Philippines. *International Journal of Multidisciplinary Research and Growth Evaluation*, 5(1), 906–911. Retrieved from [https://www.researchgate.net/publication/378460816\\_Impact\\_Factor\\_5307\\_SJIF](https://www.researchgate.net/publication/378460816_Impact_Factor_5307_SJIF)
- Baepler, P., Walker, J. D., & Driessen, M. (2016). It's not about seat time: Blending, flipping, and efficiency in active learning classrooms. *Computers & Education*, 78, 227–236. <https://doi.org/10.1016/j.compedu.2014.06.006>
- Bagus, W. 2025. Instructional competence and adaptability skills of teachers as predictors of students' classroom engagement in Social Science. *International Journal of Research and Innovation in Social Science*, 4(7), 55–62. <https://dx.doi.org/10.47772/IJRISS.2025.90400428>

- Baldeón, C. P. H., Fuster-Guillén, D., & Geronimo, R. K. M. (2022). Perspective of visual perception in learning to read and write in children from 6 to 8 years old. *International Journal of Health Sciences*, 6(S7), 568–592. <https://doi.org/10.53730/ijhs.v6nS7.11208>
- Bandura, A., Adams, N. E., Hardy, A. B., & Howells, G. N. (1980). Tests of the generality of self-efficacy theory. *Cognitive Therapy and Research*, 4, 39–66. <https://doi.org/10.1007/BF01173358>
- Banilad, J. R., & Aniñon, A. C. (2024). Effects of bare classroom walls on students' learning outcomes in basic education. *Journal of Educational Research*, 2(2), 138–143. <https://doi.org/10.5281/zenodo.14272776>
- Banilad, J. A., Opingo, K. M., Mangubat, R., Calasang, V., & Espina, R. (2024). Effects of bare classroom walls on students' learning outcomes in basic education. *World Journal on Education and Humanities Research*, 4(3), 55–71. Retrieved from [https://www.researchgate.net/publication/383395725\\_Effects\\_of\\_Bare\\_Classroom\\_Walls\\_on\\_Students%27\\_Learning\\_Outcomes\\_in\\_Basic\\_Education](https://www.researchgate.net/publication/383395725_Effects_of_Bare_Classroom_Walls_on_Students%27_Learning_Outcomes_in_Basic_Education)
- Bartlett, L. (2025, February 8). Simplify your teaching: Minimalist teaching strategies for a focused classroom. Quiet Teacher. Retrieved from <https://www.quietteacher.com/post/simplify-your-teaching-minimalist-teaching-strategies-for-a-focused-classroom>
- Barraza, G. (2021). The role of aesthetics in classroom design: Implications for engagement and equity (Master's thesis, University of San Francisco). USF Scholarship Repository. Retrieved from <https://repository.usfca.edu/thes/1385/>
- Barrett, P., Zhang, Y., Moffat, J., & Kobbacy, K. (2019). A holistic, multi-level analysis identifying the impact of classroom design on pupils' learning. *Building and Environment*, 59, 678–689. <https://doi.org/10.1016/j.buildenv.2012.09.016>
- Basaran, M., & Bay, M. (2023). The role of the arts in the classroom: Does integration of the arts promote social relationships in the classroom? *Education Sciences*, 15(1), 14. <https://doi.org/10.3390/educsci15010014>
- Battersby, S. L. (2019). Reimagining music teacher collaboration: The culture of professional learning communities as professional development within schools and districts. *General Music Today*, 33(1), 15–23. <https://doi.org/10.1177/1048371319840653>
- Bausch, M., Barmeyer, C., & Guttormsen, D. S. A. (2024). An outsider's insights from the inside: Implications of emic concepts on qualitative international management research. *Qualitative Research in Organizations and Management*, 19(4), 256–281. <https://doi.org/10.1108/QROM-04-2024-2716>
- Bengtsson, M. (2016). How to plan and perform a qualitative study using content analysis. *NursingPlus Open*, 2, 8–14. <https://doi.org/10.1016/j.npls.2016.01.001>
- Bernales, E. B. O., Peñas, J. T., Presbitero, J. A. N., Sisles, H. G., Quiapo, A., & Cabanilla Jr., A. B. (2024). A survey on the oplan-baklas operation of elementary teachers in Cebu, Philippines. *International Journal of Multidisciplinary Research and Growth*

- 
- Evaluation*, 5(1). Retrieved from <https://www.researchgate.net/publication/378460816>
- Bi, M., Struyven, K., & Zhu, C. (2023). Variables that influence teachers' practice of differentiated instruction in Chinese classrooms: A study from teachers' perspectives. *Frontiers in Psychology*, 14, 1124259. <https://doi.org/10.3389/fpsyg.2023.1124259>
- Bhat, R. A. (2023). The impact of technology integration on student learning outcomes: A comparative study. ResearchGate. Retrieved from <https://www.researchgate.net/publication/373266726>
- Bland, T., Guo, M., & Dousay, T. A. (2024). Multimedia design for learner interest and achievement: A visual guide to pharmacology. *BMC Medical Education*, 24(1), 113. <https://doi.org/10.1186/s12909-024-05077-y>
- Bond M. Facilitating student engagement through the flipped learning approach in K-12: A systematic review. <https://doi.org/10.1016/j.compedu.2020.103819>
- Bonghanoy, N. G., Galvez, B. S. O., Satorre, L. M. B., Tapic, H. F., & Cabanilla Jr., A. (2024). Optimizing class decor: A grounded theory on student motivation in classroom environments. *International Journal of Advanced Multidisciplinary Research Studies*, 4(1), 1368–1374. Retrieved from <https://www.researchgate.net/publication/378461116>
- Borup, J., Graham, C. R., West, R. E., Archambault, L., & Brown, B. B. (2020). The adolescent community of engagement framework: A model for research on adolescent online learning. *Journal of Technology and Teacher Education*, 28(2), 167–198. Retrieved from <https://www.learntechlib.org/primary/p/216154/>
- Bradshaw, C., Atkinson, S., & Doody, O. (2017). Employing a qualitative description approach in health care research. *Global Qualitative Nursing Research*, 4, 1–8. <https://doi.org/10.1177/2333393617742282>
- Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. *Qualitative Research in Psychology*, 3(2), 77–101. <https://doi.org/10.1191/1478088706qp063oa>
- Busetto, L., & Gumbinger, C. (2020). How to use and assess qualitative research methods. *Neurological Research and Practice*, 2, 14. <https://doi.org/10.1186/s42466-020-00059-z>
- Caena F., Redecker, C. 2019. Aligning teacher competence frameworks to 21st century challenges: The case for the European digital competence framework for educators (Digcompedu). <https://doi.org/10.1111/ejed.12345>
- Candela, A. G. (2019). Exploring the function of member checking. *The Qualitative Report*, 24(3), 619–628. Retrieved from [https://doi.org/10.46743/2160-3715/2019.3726:contentReference\[oaicite:19\]\[index=19\]](https://doi.org/10.46743/2160-3715/2019.3726:contentReference[oaicite:19][index=19])
- Cardenal, M.-E., Díaz-Santana, O., & González-Betancor, S.-M. (2024). Teacher-student relationship and teaching styles in primary education: A model of analysis. *Journal of Professional Capital and Community*, 8(3), 165–183. <https://doi.org/10.1108/JPC-09-2022-0053>
- Carter, E., Molina, E., Pushparatnam, A., Rimm-Kaufman, S., Tsapali, M., & Wong, K. K.-Y. (2024). Evidence-based teaching: Effective teaching practices in primary school
-

- classrooms. *London Review of Education*, 22(1), Article 8.  
<https://doi.org/10.14324/LRE.22.1.08>
- Carroll, M., Lindsey, S., Chaparro, M., & Winslow, B. (2019). An applied model of learner engagement and strategies for increasing learner engagement in the modern educational environment. *Interactive Learning Environments*, 29(5), 757–771.  
<https://doi.org/10.1080/10494820.2019.1636083>
- Caulfield, J. (2019). How to do thematic analysis. Scribbr. Retrieved from  
<https://www.scribbr.com/methodology/thematic-analysis/>
- Chen, S. (2024). During the reform: How teachers lived experiences influence their beliefs and practices of project-based learning. *Journal of Educational Change*, 25(3), 345–367. <https://doi.org/10.1177/10567879241265096>
- Chen, F., & Chen, G. (2024). Technology-enhanced collaborative inquiry in K–12 classrooms: A systematic review of empirical studies. *Science & Education*.  
<https://doi.org/10.1007/s11191-024-00538-8>
- Cheon, S. H., Reeve, J., & Vansteenkiste, M. (2020). When teachers learn how to provide classroom structure in an autonomy-supportive way: Benefits to teachers and their learners. *Teaching and Teacher Education*, 90, 103004.  
<https://doi.org/10.1016/j.tate.2019.103004>
- Cherni, T. (2020). Analysis of the benefits and drawbacks of a thematic approach to designing an innovative curriculum. ResearchGate. Retrieved from  
<https://www.researchgate.net/publication/352296505>
- Christopher, C., & Farran, D. C. (2020). Academic gains in kindergarten related to eight classroom practices. *Early Childhood Research Quarterly*, 53, 72–82.  
<https://doi.org/10.1016/j.ecresq.2020.07.001>
- Clancy, A., Cullen, J. G., Hood, A., & McGuinness, C. (2021). Teaching perspectives on experiential learning in large classes. *Journal of Management Education*, 45(5), 685–689. <https://doi.org/10.1177/10525629211036468>
- Cohen, A. (2020). Teaching to discuss controversial public issues in fragile times: Approaches of Israeli civics teacher educators. *Teaching and Teacher Education*, 89, Article 103013. <https://doi.org/10.1016/j.tate.2019.103013>
- Craft, A. (2021). Creativity in education: Developing innovative teaching practices. *International Journal of Educational Research*, 105, 101719.  
<https://doi.org/10.1016/j.ijer.2020.101719>
- Creswell, J. W. (2017). *Qualitative inquiry and research design: Choosing among five approaches* (5th ed.). Sage Publications. Retrieved from  
<https://collegepublishing.sagepub.com/products/qualitative-inquiry-and-research-design-4-246896>
- Creswell, J. W., & Poth, C. N. (2018). *Qualitative inquiry and research design: Choosing among five approaches* (4th ed.). SAGE Publications.
- Cuenca, J. N. A., Malabanan, G. M. S., Periodica, A. M. M., Retrita, J. M. Q., & San Juan, K. U. (2024). Quality of visual aids and the engagement of learners in the teaching

- and learning process. *Asian Journal of Education and Social Studies*, 50(5), 489–494.  
<https://doi.org/10.9734/ajess/2024/v50i51378>
- Cutillas, M. A., Lagumbay, D. G., Ancajas, V. M., Besinga, A. O., Alo, B. A. A., Ibale, E. D., & Neri, R. (2023). Enhancing student learning through classroom design: Exploring the influence of environment on academic performance. *World Journal on Education and Humanities Research*, 3(4), 27–37. Retrieved from <https://www.researchgate.net/publication/373640279>
- Czerniak, A. (2025). The benefits of quiet rooms and sensory spaces. Therapy focus. Retrieved from <https://therapyfocus.org.au/on-the-blog/the-benefits-of-quiet-rooms-and-sensory-spaces/>
- Daher, M., Carré, D., Jaramillo, A., Olivares, H., & Tomicic, A. (2017). Experience and meaning in qualitative research: A conceptual review and a methodological device proposal. *Forum: Qualitative Social Research*, 18(3), Article 9. <https://doi.org/10.17169/fqs-18.3.2696>
- Dalali, B. G., & Mwila, P. M. (2022). Effects of visual aids in enhancing teaching and learning process in public secondary schools in Ilemela Municipality, Tanzania. *Journal of Research Innovation and Implications in Education*, 6(1), 379–390. Retrieved from <https://jrjiejournal.com/wp-content/uploads/2022/03/JRIIE-6-1-037.pdf>
- Danko, S., & Killeen, A. (2003). The role of permanent student artwork in students' sense of ownership in an elementary school. *Environment and Behavior*, 35(2), 250–263. <https://doi.org/10.1177/0013916502250133>
- Dang, T. K. C. (2023). The efficacy of visual aids in enhancing vocabulary acquisition in EFL classes. *International Journal of Social Science and Humanities Research*, 6(10), 6397–6403. <https://doi.org/10.47191/ijsshr/v6-i10-80>
- Dean, C. B., & Rouleau, K. (2023). The new classroom instruction that works: The best research-based strategies for increasing student achievement. ASCD. Retrieved from <https://files.eric.ed.gov/fulltext/ED671625.pdf>
- Demco Interiors. (2021). Designing the perfect social-emotional learning classroom. Retrieved from <https://www.demcointeriors.com/blog/designing-the-perfect-sel-classroom/>
- Dennis, P. M. (2023). Teachers' lived experiences in concurrent classrooms during COVID-19: A qualitative phenomenological study (Doctoral dissertation, American College of Education). ProQuest Dissertations Publishing. Retrieved from <https://search.proquest.com/openview/f7005e069effbd627532523e7520119e/1?cbl=18750&diss=y>
- Department of Education. (2020). Framework for professional development of teachers and school leaders. National educator's academy of the Philippines (NEAP). Retrieved from <https://www.DepartmentofEducation.gov.ph/about-neap/framework-for-professional-development>



- Deterding, N. M., & Waters, M. C. (2021). Flexible coding of in-depth interviews: A twenty-first-century approach. *Sociological Methods & Research*, 50(3), 708–739. <https://doi.org/10.1177/0049124118799377>
- Deeva, G., Bogdanova, D., Serral, E., Snoeck, M., & De Weerd, J. (2021). A review of automated feedback systems for learners: Classification framework, challenges and opportunities. *Computers & Education: An International Journal*, 163. <https://doi.org/10.1016/j.compedu.2020.104094>
- Doodle Education. (2020). 10 reasons classroom displays are great! Doodle Education Blog. Retrieved from <https://www.doodle.ac/blogs/news/10-reasons-classroom-displays-are-great>
- Duran, J. M., & Patricio, J. B. (2023). Oplan Baklas: Examining the impact of classroom design on the academic performance of Grade 3 learners [Conference paper]. ResearchGate. Retrieved from [https://www.researchgate.net/publication/382113703\\_Oplan\\_Baklas\\_Examining\\_the\\_Impact\\_of\\_Classroom\\_Design\\_on\\_the\\_Academic\\_Performance\\_of\\_Grade\\_3\\_Learners](https://www.researchgate.net/publication/382113703_Oplan_Baklas_Examining_the_Impact_of_Classroom_Design_on_the_Academic_Performance_of_Grade_3_Learners)
- eLearning Industry. (2023). Unlocking the magic: The transformative power of visuals in the learning process. Retrieved from <https://elearningindustry.com/unlocking-the-magic-the-transformative-power-of-visuals-in-the-learning-process>
- Empic, M. M., & Villa, G. M. B. (2023). Oplan Baklas: Examining the impact of classroom design on the academic performance of Grade 3 learners. *Universal Journal of Interdisciplinary Research and Technology*, 5(8), 62–68. Retrieved from <https://uijrt.com/articles/v5/i8/UIJRTV5I80009.pdf>
- Enciso, R. E., & Bueno, D. C. (2024). Establishing policies for research proposal approval and research topic selection: Actions taken, policy narratives, and action plans. *Institutional Multidisciplinary Research and Development Journal*, 7(8). <https://doi.org/10.13140/RG.2.2.27148.32649>
- Engage2learn. (2023, August 8). Innovative teaching methods: Thinking outside the box for student success. Engage2learn. Retrieved from <https://engage2learn.org/blog/innovative-teaching-methods>
- Engelbrecht, J., Llinares, S., & Borba, M. C. (2020). Transformation of the mathematics classroom with the internet. *ZDM – Mathematics Education*, 52(5), 825–841. <https://doi.org/10.1007/s11858-020-01176-4>
- Errasti-Ibarrondo, B., Jordán, J. A., Díez-Del-Corral, M. P., & Arantzamendi, M. (2018). Conducting phenomenological research: Rationalizing the methods and rigour of the phenomenology of practice. *Journal of Advanced Nursing*, 74(7), 1723–1734. <https://doi.org/10.1111/jan.13569>
- Eslit, E. R. (2023). Digital alchemy in literature and language: Unveiling pedagogical potentials through blended learning. Preprints. <https://doi.org/10.20944/preprints202306.1195.v1>

- Fan, M., & Cai, W. (2022). How does a creative learning environment foster student creativity? An examination on multiple explanatory mechanisms. *Current Psychology*, 41, 4667–4676. <https://doi.org/10.1007/s12144-020-00974-z>
- Farmer, T. (2019). Educators' perceptions of technology integration into the classroom. *Journal of Research in Innovative Teaching & Learning*, 12(3), 205–218. <https://doi.org/10.1108/jrit-03-2019-0044>
- Fisher, A. V., Godwin, K. E., & Seltman, H. (2014). Visual environment, attention allocation, and learning in young children: When too much of a good thing may be bad. *Psychological Science*, 25(7), 1362–1370. <https://doi.org/10.1177/0956797614533801>
- Fischer, A., & Thomas, L. (2022). Minimalist teaching strategies for a focused classroom. The Quiet Teacher. Retrieved from <https://www.quietteacher.com/post/simplify-your-teaching-minimalist-teaching-strategies-for-a-focused-classroom>
- Flewelling, A. (2024). Support K–12 technology integration with professional development. EdTech Magazine. Retrieved from <https://edtechmagazine.com/k12/article/2024/02/support-k-12-technology-integration-professional-development>
- Fleming, E. (2023). UDL for inclusive teaching: Offering choice to increase belonging through technology. *Journal of Teaching and Learning with Technology*, 12(1). <http://dx.doi.org/10.14434/jotlt.v12i1.36327>
- Francom, G. M. (2019). Barriers to technology integration: A time-series survey study. *Journal of Research on Technology in Education*, 52(1), 1–16. <https://doi.org/10.1080/15391523.2019.1679055>
- Freeman-Green, S., Williamson, P., & Cornelius, K. E. (2023). Promoting inclusive practices in education: Bridging gaps and fostering independence. *TEACHING Exceptional Children*. <https://doi.org/10.1177/00400599231223785>
- Freeman, S., Eddy, S. L., McDonough, M., Smith, M. K., Okoroafor, N., Jordt, H., & Wenderoth, M. P. (2019). Active learning increases student performance in science, engineering, and mathematics. *Proceedings of the National Academy of Sciences*, 111(23), 8410–8415. <https://doi.org/10.1073/pnas.1319030111>
- Fu, W., Pan, Q., Yuan, Y., & Chen, G. (2022). Longitudinal impact of parent–teacher relationship on middle school students' academic achievements in China. *Frontiers in Psychology*, 13, 872301. <https://doi.org/10.3389/fpsyg.2022.872301>
- Galán-Casado, D., Moraleda, A., Martínez-Martí, M. L., & Pérez-Nieto, M. Á. (2020). Sustainable environments in education: Results on the effects of the new environments in learning processes of university students. *Sustainability*, 12(7), 2668. <https://doi.org/10.3390/su12072668>
- Gamboa, R. (2022). Teacher collaboration: Its effect on the instructional teaching effectiveness of faculty members. *AIDE Interdisciplinary Research Journal*, 3(1). Retrieved from <https://journal.aide-inc.net/index.php/aide-irj/article/view/66>
- Garcia, M. B. (2025). Global innovations in physical education and health. IGI Global. <https://doi.org/10.4018/979-8-3693-3952-7>

- Gecu-Parmaksiz, Z., & Hughes, J. (2023). Innovative digital tools for online learning: Teacher's perspectives. *Journal of Educational Informatics*, 4(1). <https://doi.org/10.51357/jei.v4i1.213>
- Generalao, I. N., Ducanes, G., Yee, K. M., & David, C. C. (2022). Teacher education in the Philippines: Are we meeting the demand for quality? *Philippine Journal for Public Policy: Interdisciplinary Development Perspectives*, 2022, 1–65. [doi.org/10.54096/IENE4805](https://doi.org/10.54096/IENE4805)
- Gillis, A., & Krull, L. M. (2020). COVID-19 remote learning transition in spring 2020: Class structures, student perceptions, and inequality in college courses. *Teaching Sociology*, 48(4), 283–299. <https://doi.org/10.1177/0092055X20954263>
- Gritz, W., Hoppe, A., & Ewerth, R. (2025). Unraveling the impact of visual complexity on search as learning (arXiv preprint arXiv:2501.05289). arXiv. Retrieved from <https://arxiv.org/abs/2501.05289>
- Gudelos, J., & Mabitad, B. (2025). Work-related stress, workloads, and performance: A case of senior high school teachers. *International Journal of Research and Innovation in Social Science*. <https://dx.doi.org/10.47772/IJRISS.2025.9010121>
- Hajis, S. A., & Othman, N. (2024). Navigating challenges and strategies in implementing differentiated instruction: A conceptual overview. *International Journal of Academic Research in Business and Social Sciences*, 14(8), 1209–1226. <http://dx.doi.org/10.6007/IJARBS/v14-i8/22153>
- Han, J., O'Connor, E. E., & McCormick, M. P. (2020). The role of elementary school and home quality in supporting sustained effects of pre-K. *Journal of Educational Psychology*, 112(5), 956–972. <https://doi.org/10.1037/edu0000390>
- Hanley, M., Khairat, M., Taylor, K., Wilson, R., Cole-Fletcher, R., & Riby, D. M. (2017). Classroom displays—Attraction or distraction? Evidence of impact on attention and learning from children with and without autism. *Developmental Psychology*, 53(7), 1265–1275. <https://doi.org/10.1037/dev0000271>
- Harrison M., Rowlings J., White., Vallence M., Potemkin N., 2024. Applying universal design for learning (UDL) supports inclusive education. *Learning for Justice*. <https://doi.org/10.17613/sj8sk-vts95>
- Hasyim, S. (2025). The impact of visual aids on memory retention. Peak Brain Plasticity. Retrieved from <https://www.saidhasyim.com/post/peak-brain-plasticity/the-impact-of-visual-aids-on-memory-recall/>
- Haven, T. L., & Van Grootel, L. (2019). Preregistering qualitative research. *Accountability in Research*, 26(3), 229–244. <https://doi.org/10.1080/08989621.2019.1580147>
- Hays, J., Reinders, H. Sustainable learning and education: A curriculum for the future. *Int Rev Educ* 66, 29–52 (2020). <https://doi.org/10.1007/s11159-020-09820-7>
- Havran, M. B. (2020, November 23). Establishing culturally responsive classrooms and creating an inclusive environment. Medium. Retrieved from <https://medium.com/@melissabottahavran/establishing-culturally-responsive-classrooms-and-creating-an-inclusive-environment-f8367c26d27c>



- Hien, N. T. T., & Phuong, V. T. (2024). The effectiveness of the storytelling technique on students' achievement and motivation in English speaking skills. *Multidisciplinary Reviews*, 6. <https://doi.org/10.31893/multirev.2023spe011>
- Hoekstra, N., van den Berg, Y., Lansu, T. A. M., Mainhard, T., & van der Veen, I. (2023). Teachers' goals and strategies for classroom seating arrangements: A qualitative study. *Teaching and Teacher Education*, 124, 104016. <https://doi.org/10.1016/j.tate.2023.104016>
- Hummes V. & Jose S M 2024. Advancing teacher reflective competence: Integrating lesson study and didactic suitability criteria in training. *Frontiers in Education*. <https://doi.org/10.3389/feduc.2024.1331199>
- IBON Foundation. (2021). The neglect of PH education: Where do we go from here? Retrieved from <https://www.ibon.org/the-neglect-of-ph-education-where-do-we-go-from-here/>
- Jibililu, O. S. (2024). Evaluating the impact of instructional materials on social studies learning outcomes in senior high schools of the Bono East Region of Ghana. *Social Education Research*, 5(2), 380–397. <https://doi.org/10.37256/ser.5220244881>
- Jin, S., & Peng, L. (2022). Classroom perception in higher education: The impact of spatial factors on student satisfaction in lecture versus active learning classrooms. *Frontiers in Psychology*, 13, 941285. <https://doi.org/10.3389/fpsyg.2022.941285>
- Josué, A., & Bedoya-Flores, M. C. (2023). Educational platforms: Digital tools for the teaching-learning process in education. *Ibero-American Journal of Education & Society Research*, 3(1), 259–263. <https://doi.org/10.56183/iberoeds.v3i1.626>
- JRI Education Journal. (2021). Effects of visual aids in enhancing teaching and learning process in public secondary schools in Ilemela Municipality, Tanzania. *JRI Education Journal*. Retrieved from <https://www.jrijournal.com/effects-of-visual-aids-in-enhancing-teaching-and-learning-process-in-public-secondary-schools-in-ilemela-municipality-tanzania/>
- Kline, A. R., Kolegraff, S. A., & Cleary, J. P. (2021). Student perspectives of hands-on experiential learning's impact on skill development using various teaching modalities. In V. Akerson & M. Shelley (Eds.), *Proceedings of IConSES 2021 – International Conference on Social and Education Sciences* (pp. 1–10). ISTES Organization. Retrieved from <https://files.eric.ed.gov/fulltext/ED626321.pdf>
- Kassab, S. E., Rathana, R., Taylor, D. C. M., & Hamdy, H. (2024). The impact of the educational environment on student engagement and academic performance in health professions education. *BMC Medical Education*, 24. <https://doi.org/10.1186/s12909-024-06270-9>
- Kapur, R. (2022). Inadequate teaching-learning methods and materials: Impediments in promoting student learning. Retrieved from [https://www.researchgate.net/publication/366577774\\_Inadequate\\_Teaching\\_Learning\\_Methods\\_and\\_Materials\\_Impediments\\_in\\_Promoting\\_Student\\_Learning](https://www.researchgate.net/publication/366577774_Inadequate_Teaching_Learning_Methods_and_Materials_Impediments_in_Promoting_Student_Learning)

- Ketonen, L., & Nieminen, J. H. (2023). Supporting student teachers' reflection through assessment: The case of reflective podcasts. *Teaching and Teacher Education*, 124, 104039. <https://doi.org/10.1016/j.tate.2023.104039>
- Kim, J. S., Burkhauser, M. A., Mesite, L. M., Asher, C. A., Relyea, J. E., Fitzgerald, J., & Elmore, J. (2021). Improving reading comprehension, science domain knowledge, and reading engagement through a first-grade content literacy intervention. *Journal of Educational Psychology*, 113(1), 3–26. <https://doi.org/10.1037/edu0000465>
- Kholdoraliyeva, S., & Gapparova, M. T. (2024). The impact of English classroom design on student engagement and academic performance. *Web of Teachers: Inderscience Research*, 2(11), 8–12. Retrieved from <https://webofjournals.com/index.php/1/article/view/2065>
- Lamons-Raiford, M. (2024). Classroom walls and student belonging. Edutopia. Retrieved from <https://www.edutopia.org/article/classroom-walls-student-belonging>
- Lazarides, R., Fauth, B., Gaspard, H., & Göllner, R. (2021). Teacher self-efficacy and enthusiasm: Longitudinal relations to perceived teaching behaviors and student enjoyment. *Learning and Instruction*, 71, 101377. <https://doi.org/10.1016/j.learninstruc.2020.101377>
- Le Thi Kim Ngan, & Tran Thi Thuy Lan. (2024). Utilizing visual stimuli to foster engagement among English speaking skill learners during instructional sessions. *Eurasian Journal of Teaching and Applied Sciences*, 2(3), [http://dx.doi.org/10.59324/ejtas.2024.2\(3\).05](http://dx.doi.org/10.59324/ejtas.2024.2(3).05)
- Lee, L. E., Meyer, M. S., & Crutchfield, K. (2021). Gifted classroom environments and the creative process: A systematic review. *Journal for the Education of the Gifted*, 44(2), 107–130. <https://doi.org/10.1177/01623532211001450>
- Lee, S., & Lee, M. (2021). Impact of digital learning tools on student engagement in high school classrooms. *African Journal of Education and Practice*, 9(1), 51–60. <https://doi.org/10.47604/ajep.1912>
- Lewis, S., Papadopoulos, N., Mantilla, A., Hiscock, H., Whelan, M., McGillivray, J., & Rinehart, N. (2023). The impact of COVID-19 on sleep for autistic children: A systematic review. *Research in Autism Spectrum Disorders*, 103, 102110. <https://doi.org/10.1016/j.rasd.2023.102110>
- Linis-Dinco, J. (2024). Addressing structural challenges in education systems: The educational and technological divide in Cambodia and the Philippines. *Global Campus Human Rights Journal*. Retrieved from <https://www.gchumanrights.org/preparedness/addressing-structural-challenges-in-education-systems-the-educational-and-technological-divide-in-cambodia-and-the-philippines/gchumanrights.org>
- Li, P.-H. Diane Mayer, Lars-Erik Malmberg (2024). Student engagement and teacher emotions in student-teacher Dyads: The role of teacher involvement. *Learning and Instruction*, 91, 101876. <https://doi.org/10.1016/j.learninstruc.2024.101876>
- Liu, R. D., Ding, Y., Zhen, R., & Xu, L. (2022). How classroom environment influences academic enjoyment in mathematics among Chinese middle school students:

- Moderated mediation effect of academic self-concept and academic achievement. *Psychology Research and Behavior Management*, 15, 1587–1601. <https://doi.org/10.2147/PRBM.S371092>
- Liu, X., Mearns, T., & Admiraal, W. (2023). Teacher–student relationship as a lens to explore teacher identity in an intercultural context. *Teaching and Teacher Education*, 136. <https://doi.org/10.1016/j.tate.2023.104379>
- Loes, C. N. (2022). The effect of collaborative learning on academic motivation. *Teaching & Learning Inquiry*, 10, 1–17. <https://doi.org/10.20343/teachlearningu.10.4>
- Loyola, G. R. D. (2025). Maintaining bare walls: Clutter-free classrooms. *United International Journal for Research & Technology*, 6(5), 84–92. Retrieved from <https://uijrt.com/paper/maintaining-bare-walls-clutter-free-classrooms>
- Lu, X., Chen, Y., & Zhang, W. (2021). Environmental factors in classroom design. *Journal of Educational Psychology*, 36(2), 187–202.
- Lv, Y., Ni, W., & Tan, Y. (2024). An overview of research on multimodal teaching and learning. *Journal of Education and Educational Research*, 8(3), 492–495. <https://doi.org/10.54097/qp4jg551>
- Magtalas, S. A., & Eduvala, J. C. (2024). Teacher's workload in relation to burnout and work performance. *International Journal of Management, Accounting and Economics*, 11(1), 1–13. <https://doi.org/10.5281/zenodo.7859876>
- Mahdi, S. (2023). Effective communication in learning: Teacher strategies and their impact on student learning outcomes. *International Journal of Linguistics, Communication, and Broadcasting*, 1(4), 26–30. <https://doi.org/10.46336/ijlcb.v1i4.26>
- Malpas, S. (2019). "In no one thing, they saw, agreeing": Communicating experimental philosophy in Cowley and Butler. *Restoration: Studies in English Literary Culture, 1660–1700*, 43(2), 49–74. Retrieved from <https://www.jstor.org/stable/26911394>
- Mandinach, E. B., & Gummer, E. S. (2016). What does it mean for teachers to be data literate: Laying out the skills, knowledge, and dispositions. *Teaching and Teacher Education*, 60, 366–376. <https://doi.org/10.1016/j.tate.2016.07.011>
- Marshall, B., Cardon, P., Poddar, A., & Fontenot, R. (2013). Does sample size matter in qualitative research? A review of qualitative interviews in IS research. *Journal of Computer Information Systems*, 54(1), 11–22. <https://doi.org/10.1080/08874417.2013.11645667>
- Mazzucato, M., & Laplane, A. (2020). Socializing the risks and rewards of public investments: *Economic, policy, and legal issues*. *Research Policy*, 49(9), 104049. <https://doi.org/10.1016/j.repolx.2020.100008>
- McCarthy, J. (2023). Using differentiation to challenge all students. Edutopia. Retrieved from <https://www.edutopia.org/article/differentiation-challenge-all-students>
- McConnell, C., Conrad, B., & Uhrmacher, P. B. (2020). Lesson planning with purpose: Five approaches to curriculum design. Teachers College Press. Retrieved from <https://journals.sagepub.com/pbassets/cmscontent/TCZ/TCZ%20Book%20Reviews%202021/April%202021/Lesson%20Planning%20with%20Purpose-%20Five%20Approaches%20to%20Curriculum%20Design%20-1650314576.pdf>

- McIntosh, M. (2023). Building strong student-parent-teacher relationships: Strategies for enhancing academic performance and student success. *Academy of Educational Leadership Journal*, 27(2), 1-3. Retrieved from <https://www.abacademies.org/articles/building-strong-studentparentteacher-relationships-strategies-for-enhancing-academic-performance-and-student-success-15941.html>
- McGrath, C., Palmgren, P. J., & Liljedahl, M. (2018). Twelve tips for conducting qualitative research interviews. *Medical Teacher*, 41(9), 1002–1006. <https://doi.org/10.1080/0142159X.2018.1497149>
- Miles, M. B., & Huberman, A. M. (1994). *Qualitative data analysis: An expanded sourcebook* (2nd ed.). Sage Publications. Retrieved from <https://psycnet.apa.org/record/1995-97407-000>
- Minkel, J. (2019, December 17). Want to motivate students? Make their work visible. Education Week. Retrieved from <https://www.edweek.org/teaching-learning/opinion-want-to-motivate-students-make-their-work-visible/2019/12>
- Moè, A., & Katz, I. (2020). Self-compassionate teachers are more autonomy supportive and structuring whereas self-derogating teachers are more controlling and chaotic: The mediating role of need satisfaction and burnout. *Teaching and Teacher Education*, 96. <https://doi.org/10.1016/j.tate.2020.103173>
- Mohammed, A. A., & Daham, B. A. (2021). Flexible seating impact on classroom environment. *Journal of Education and Practice*, 12(3), 45–52.
- MoldStud. (2023). The importance of continuous assessment and feedback: Director's role in improving learning outcomes. Retrieved from <https://moldstud.com/articles/p-the-importance-of-continuous-assessment-and-feedback-directors-role-in-improving-learning-outcomes>
- Morgan, H. (2024). Using triangulation and crystallization to make qualitative studies trustworthy and rigorous. *The Qualitative Report*, 29(7), 1844–1856. <https://doi.org/10.46743/2160-3715/2024.6071>
- Moorhouse, B. L., Wong, K. M., & Li, L. (2023). Teaching with technology in the post-pandemic digital age: Technological normalization and AI-induced disruptions. *RELC Journal*, 54(2), 311–320. <https://doi.org/10.1177/00336882231176929>
- Morrow, R., Rodriguez, A., & King, N. (2015). Colaizzi's descriptive phenomenological method. *The Psychologist*, 28(8), 643–644. <https://doi.org/10.1163/15691624-12341292>
- Moustakas, C. (1994). *Phenomenological research methods*. SAGE Publications. <https://doi.org/10.4135/9781412995658>
- Müller, C., & Mildenerger, T. (2021). Facilitating flexible learning by replacing classroom time with an online learning environment: A systematic review of blended learning in higher education. *Educational Research Review*, 34. <https://doi.org/10.1016/j.edurev.2021.100394>

- Munda, N. P. (2021). The adaptability of public-school teachers amidst the pandemic. *Central Mindanao University Journal of Science*, 25(1), 37–46. <https://doi.org/10.52751/PEMW2173>
- National Education Association. (2020). Out-of-pocket spending on school supplies adds to strain on educators. Retrieved from <https://www.nea.org/nea-today/all-news-articles/out-pocket-spending-school-supplies-adds-strain-educators>
- Neenan, M. (2023). The power of visual aids in teaching and learning. Learning Studio. Retrieved from <https://flearningstudio.com/the-power-of-visual-in-teaching-and-learning/>
- Neubauer, B. E., Witkop, C. T., & Varpio, L. (2019). How phenomenology can help us learn from the experiences of others. *Perspectives on Medical Education*, 8(2), 90–97. <https://doi.org/10.1007/S40037-019-0509-2>
- Neri, R. C., Lozano, M., & Gomez, L. M. (2019). (Re)framing resistance to culturally relevant education as a multilevel learning problem. *Review of Research in Education*, 43(1), 197–226. <https://doi.org/10.3102/0091732X18821120>
- Nguyen, D., & Ng, D. (2020). Teacher collaboration for change: Sharing, improving, and spreading. *Professional Development in Education*, 46(4), 638–651. <https://doi.org/10.1080/19415257.2020.1787206>
- Nolé, M. L., Higuera-Trujillo, J. L., & Llinares, C. (2021). Effects of classroom design on the memory of university students: From a gender perspective. *International Journal of Environmental Research and Public Health*, 18(17), 9391. <https://doi.org/10.3390/ijerph18179391>
- Nur'aini, N., & Patry, H. (2024). Mindfulness-based stress reduction techniques in educational settings: A new approach to enhance mental health and learning. *Journal of Social Science Utilizing Technology*, 2(2), 269–282. <https://doi.org/10.70177/jssut.v2i2.974>
- Nurhikmah, Z. (2024). Unlocking fluent speech: Enhancing student speaking skills through digital storytelling. *JETAL: Journal of English Teaching & Applied Linguistics*, 6(1), 47–52. <http://dx.doi.org/10.36655/jetal.v6i1.1655>
- Odum, M., Knudson, D. V., & Meaney, K. (2021). Active learning classroom design and student engagement: An exploratory study. *International Journal of Research and Innovation in Social Science*, 5(8), 47–51. Retrieved from [https://www.researchgate.net/publication/351362670\\_Active\\_learning\\_classroom\\_design\\_and\\_student\\_engagement\\_An\\_exploratory\\_study](https://www.researchgate.net/publication/351362670_Active_learning_classroom_design_and_student_engagement_An_exploratory_study)
- OECD. (2019). Fostering students' creativity and critical thinking: What it means in school. OECD Publishing. Retrieved from <https://files.eric.ed.gov/fulltext/EJ1152568.pdf>
- O'Hagan, K. G. (2025). Inequities and impacts of investments in new school facilities (EdWorkingPaper No. 25-1121). Annenberg Institute at Brown University. Retrieved from <https://edworkingpapers.com/ai25-1121>
- Ozkan Bekiroglu, S., Ramsay, C. M., & Robert, J. (2022). Movement and engagement in flexible, technology-enhanced classrooms: Investigating cognitive and emotional



- engagement from the faculty perspective. *Learning Environments Research*, 25, 359–377. <https://doi.org/10.1007/s10984-021-09363-0>
- Padrosa, C. D. (2024, September 13). Integrating nature into the elementary classroom. Edutopia. Retrieved from <https://www.edutopia.org/article/integrating-nature-classroom/>
- Panayiotou, M., Humphrey, N., & Hennessey, A. (2020). Implementation matters: Using complier average causal effect estimation to determine the impact of the Promoting Alternative Thinking Strategies (PATHS) curriculum on children's quality of life. *Journal of Educational Psychology*, 112(2), 236–253. <https://doi.org/10.1037/edu0000360>
- Pasira, I. (2022). Assessing the effectiveness of differentiated instruction strategies in diverse classrooms. *Journal of Education Review Provision*, 2(1), 28–31. <https://doi.org/10.55885/jerp.v2i1.151>
- Patton, M. Q. (2015). Qualitative research & evaluation methods: Integrating theory and practice (4th ed.) Retrieved from <https://uk.sagepub.com/en-gb/eur/qualitative-research-evaluation-methods/book232962>
- Pearse, N. (2019). An illustration of a deductive pattern matching procedure in qualitative leadership research. *Electronic Journal of Business Research Methods*, 17(3), 143–154. <https://doi.org/10.34190/JBRM.17.3.004>
- Prabhu, R., & Subramonian, G. (2019). Effectiveness of computer assisted instruction in learning mathematics among eighth standard students. *i-manager's Journal on School Educational Technology*, 14(3), 36–39. <https://doi.org/10.26634/jsch.14.3.15387>
- Prenger, R., Poortman, C. L., & Handelzalts, A. (2019). The effects of networked professional learning communities. *Journal of Teacher Education*, 70(5), 435–452. <https://doi.org/10.1177/0022487117753574>
- Quiapo, A., Bernales, E., Smith, J., & Brown, E. (2024). A survey on the Oplan-Baklas operation of elementary teachers in Cebu, Philippines. *International Journal of Multidisciplinary Research and Analysis*, 7(2), 45–58. *International Journal of Multidisciplinary Research and Growth Evaluation*. Retrieved from <https://www.allmultidisciplinaryjournal.com>
- Rahadian, R. B., & Budiningsih, C. A. (2023). Development of classroom management based on student learning style database. Zenodo. <https://doi.org/10.5281/zenodo.7618566>
- Rankin, J. G. (2023, April 26). Decluttering your classroom. *Psychology Today*. Retrieved from <https://www.psychologytoday.com/za/blog/much-more-than-common-core/202304/decluttering-your-classroom>
- Rappaport, S. (2024). Supporting sensory diversity: Building inclusive classrooms. *Autism Spectrum News*. Retrieved from <https://autismspectrumnews.org/supporting-sensory-diversity-building-inclusive-classrooms>

- Richardson, P. (2023, July 27). Alternative assessment methods in education. Medium. Retrieved from <https://medium.com/philrichardsonmail/alternative-assessment-methods-in-education-69502d65b79>
- Rinosa, R. C., & Maduli, M. R. (2020). Teachers' awareness and school's responsiveness to the child protection policy. *ERJSSH: Educational Research Journal of Social Sciences and Humanities*, 1(1), 1–12. Retrieved from <https://files.eric.ed.gov/fulltext/ED606098.pdf>
- Roberts, K., Dowell, A., & Nie, J. B. (2019). Attempting rigour and replicability in thematic analysis of qualitative research data: A case study of codebook development. *BMC Medical Research Methodology*, 19, 66. <https://doi.org/10.1186/s12874-019-0707-y>
- Rodrigues, P. F. S., & Pandeirada, J. N. S. (2018). When visual stimulation of the surrounding environment affects children's cognitive performance. *Journal of Experimental Child Psychology*, 176, 140–149. <https://doi.org/10.1016/j.jecp.2018.07.014>
- Roeser, R. W., & Peck, S. C. (2009). An education in awareness: Self, motivation, and self-regulated learning in contemplative perspective. *Educational Psychologist*, 44(2), 119–136. <https://doi.org/10.1080/00461520902832376>
- Russell, D. (2022). Creating effective classroom displays – encouraging belonging and ownership. *Teacher Magazine*. Retrieved from [https://www.teachermagazine.com/au\\_en/articles/creating-effective-classroom-displays-encouraging-belonging-and-ownership](https://www.teachermagazine.com/au_en/articles/creating-effective-classroom-displays-encouraging-belonging-and-ownership)
- Ryan, R. M., & Deci, E. L. (2020). Intrinsic and extrinsic motivation from a self-determination theory perspective: Definitions, theory, practices, and future directions. *Contemporary Educational Psychology*, 61. <https://doi.org/10.1016/j.cedpsych.2020.101860>
- Sadiq, B. J. (2022). Visual materials and their impact on students' achievement during virtual learning. In Proceedings of the 2nd International Multi-Disciplinary Conference. Retrieved from <https://eudl.eu/doi/10.4108/eai.7-9-2021.2314784>
- Salar, M., Ragandang, E. F., Orpilla, M. Q., Pagara, P. G., Cabana, S., Paderna, L. J., & Quiño-Justol, J. (2024). Oplan Baklas: Examining the impact of classroom design on the academic performance of Grade 3 learners. *United International Journal for Research & Technology*, 5(8), 108–116. Retrieved from <https://uijrt.com/paper/oplan-baklas-examining-impact-classroom-design-academic-performance-grade-3-learners>
- Sambayon, J. T., Luceñara, D. P., Luceñara, C. P., Bayron, Q. M., Peñaloga, R. A., & Larombe, E. A. (2023). Effectiveness of contextualized learning materials in improving the reading skills and comprehension level of the students. <https://doi.org/10.5281/zenodo.7702258>
- Sankalaite, S., Huizinga, M., Pollé, S., Xu, C., De Vries, N., Hens, E., & Baeyens, D. (2023). A qualitative study into teacher–student interaction strategies employed to support primary school children's working memory. *Education Sciences*, 13(11), 1149. <https://doi.org/10.3390/educsci13111149>

- Saro, J. M., & Taray, J. D. (2024). Teachers as researchers: Practices, perspectives, problems, and a plan of action (4Ps) for public school teachers in writing action research. *Asian Journal of Interdisciplinary Research*, 3(3), 1–15. <https://doi.org/10.54536/ajiri.v3i3.3344>
- Sharma, S. (2023). Supporting student engagement with technology. Edutopia. Retrieved from <https://www.edutopia.org/article/using-technology-support-student-engagement/>
- Smith, A., & Johnson, B. (2020). The impact of classroom decoration on learner anxiety and learning outcomes. *Journal of Educational Psychology*, 112(3), 415–429. <https://doi.org/10.1037/edu0000365>
- SpringerLink. 2023. Measuring children sustained selective attention and working memory using visual tasks. Retrieved from <https://link.springer.com/article/10.3758/s13428-023-02078-5>
- Steelcase 2020. COVID-19 accelerates blended learning. Steelcase Inc. Retrieved from <https://www.steelcase.com/eu-en/research/articles/topics/learning/covid-19-accelerates-blended-learning/>
- Streule, M., McCrone, L., Andrew, Y., & Walker, C. (2022). Engaging with students as partners in education-space design. *International Journal for Students as Partners*, 6(2), 79–90. <https://doi.org/10.15173/ijsap.v6i2.5024>
- Strzempka, J. A. (2023). From policy to practice: A qualitative, holistic, multiple-case study investigating how public primary and secondary schools implement internationalization reforms in a South China mega-city. Retrieved from <https://eric.ed.gov/?id=ED670221>
- Sweller, J. Cognitive load theory and educational technology. *Education Tech Research Dev* 68, 1–16 (2020). <https://doi.org/10.1007/s11423-019-09701-3>
- Suzumura, N. (2020). Self-assessment for promoting learner autonomy: A case of a Japanese summer immersion camp for high school students. *The Journal of the National Council of Less Commonly Taught Languages*, 26, 115–130. Retrieved from <https://ncolctl.org/wp-content/uploads/2020/06/self-assessment-for-promoting.pdf>
- Tabrizi, Y. F., & Sheikholeslami, R. (2020). The role of perception of classroom structure on students' mental health. *Educational Research and Reviews*, 15(10), 639–644. <https://doi.org/10.5897/ERR2019.3793>
- Tajik, O., Noor, S., & Golzar, J. (2024). Investigating differentiated instruction and the contributing factors to cater EFL students' needs at the collegial level. *Asian-Pacific Journal of Second and Foreign Language Education*, 9, 74. <https://doi.org/10.1186/s40862-024-00299-5>
- Tamang, S., & Bora, D. J. (2024). An innovative solution: AI-based digital screen-integrated tables for educational settings. arXiv. Retrieved from <https://arxiv.org/abs/2410.11866>
- Tan, M. L., Espina, V., & Caluza, L. J. (2021). Localized and contextualized teaching-learning resources in science: Basis for teachers' development plan. *LNU Journal of*



- Education and Social Sciences*, 3(1), 24–35. Retrieved from <https://journals.lnu.edu.ph/index.php/jes/article/view/38>
- Taylor, D. L., Yeung, M., & Bashet, A. Z. (2021). Personalized and adaptive learning. In J. Ryoo & K. Winkelmann (Eds.), *Innovative Learning Environments in STEM Higher Education* (pp. 17–34). Springer. [https://doi.org/10.1007/978-3-030-58948-6\\_2](https://doi.org/10.1007/978-3-030-58948-6_2)
- Tsai, Y.-R. (2024). Leveraging gamification to enhance motivation and engagement among EFL learners. *English Language Teaching Educational Journal*, 7(3), 177–190. <https://doi.org/10.12928/eltej.v7i3.12010>
- Trine University. (2024). Effects of visuals within classrooms. Retrieved from <https://www.trine.edu/write/contests-events/writing-contest/2024/effects%20of%20visuals%20within%20classrooms.pdf>
- Tucker, C. (2021, October 3). The Station Rotation Model: Prioritize differentiation, student agency, and engagement. Catlin Tucker. Retrieved from <https://catlintucker.com/2021/10/station-rotation-model/>
- Tufte, E. R. (1983). *The visual display of quantitative information*. Graphics Press. Retrieved from <https://www.edwardtufte.com/book/the-visual-display-of-quantitative-information/>
- Urbani, J. M., LePage, P., & Watson-Alvarado, S. (2024). Building and sustaining a collaborative educational team: Teachers and paraprofessionals. *TEACHING Exceptional Children*, 57(1), 6–13. <https://doi.org/10.1177/00400599241231215>
- van Deursen, A. J. A. M., & van Dijk, J. A. G. M. (2019). The first-level digital divide shifts from inequalities in physical access to inequalities in material access. *New Media & Society*, 21(2), 354–375. <https://doi.org/10.1177/1461444818797082>
- Van Manen, M. (2016). *Researching lived experience: Human science for an action-sensitive pedagogy* (2nd ed.). Routledge. Retrieved from <https://www.routledge.com/Researching-Lived-Experience-Human-Science-for-an-Action-Sensitive-Pedagogy/vanManen/p/book/9781629584164>
- Vidal-Esteve, M., & Martín-Gómez, S. (2023). Teachers' perceptions of digital teaching materials in early childhood and primary education. *Education Sciences*, 13(11), 1156. <https://doi.org/10.3390/educsci13111156>
- Villanueva, T. M., & Erellana, E. G. (2024). A comparative analysis on the perspectives of teachers and students in the implementation of bare-wall classroom policy. *Psychology and Education: A Multidisciplinary Journal*, 29(2), 258–294. <https://doi.org/10.5281/zenodo.14539022>
- Wagino, D., Maksum, H., Purwanto, E., Krismadinata, S., Suhendar, D., & Koto, I. (2023). Using collaborative learning to elevate students' educational experiences. *Faculty Focus*. Retrieved from <https://www.facultyfocus.com/articles/faculty-development/using-collaborative-learning-to-elevate-students-educational-experiences>

- Webb, A. S., & Welsh, A. J. (2019). Phenomenology as a methodology for scholarship of teaching and learning research. *Teaching & Learning Inquiry*, 7(1), 169–181. <https://doi.org/10.20343/teachlearningqu.7.1.11>
- West, P. 2024. Smart classrooms: How IoT devices are creating connected learning environments. IoT Insider. Retrieved from <https://www.iotinsider.com/smart-world/smart-classrooms-how-iot-devices-are-creating-connected-learning-environments/>
- Wong, W. (2024, April). High-touch learning for the modern classroom. EdTech Magazine. Retrieved from <https://edtechmagazine.com/k12/article/2024/04/high-touch-learning-modern-classroom>
- Yousuf, M. M., Shaheen, N., Kheri, N. A., & Fatma, G. (2023). Exploring effective classroom management techniques in English teaching. *International Journal on Recent and Innovation Trends in Computing and Communication*, 11(10), 382–388. (PDF) Exploring Effective Classroom Management Techniques in English Teaching
- Zhang, Y., & Li, X. (2023). Stimulating creativity in the classroom: Examining the impact of sense of place on students' creativity and the mediating effect of classmate relationships. *BMC Psychology*, 11, Article 147. <https://doi.org/10.1186/s40359-023-01479-7>
- Ziatdinov, R., & Valles Jr, J. R. (2022). Synthesis of modeling, visualization, and programming in GeoGebra as an effective approach for teaching and learning STEM topics (arXiv preprint arXiv:2202.01415). arXiv. <https://doi.org/10.48550/arXiv.2202.01415>

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