
Transformational Leadership Practices of School Principals and Their Impact on Teacher Organizational Commitment and Institutional Performance

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Abstract

Transformational leadership by school principals has emerged as a pivotal driver of educational improvement in an era marked by technological disruption, accountability pressures, and post-pandemic recovery challenges. This review synthesizes global empirical evidence on how principals' transformational practices idealized influence, inspirational motivation, intellectual stimulation, and individualized consideration influence teacher organizational commitment and overall institutional performance. Drawing primarily on Leithwood's adapted framework, the analysis demonstrates that setting directions (vision-building, goal alignment), developing people (individualized support, intellectual stimulation), and redesigning the organization (collaborative culture, shared decision-making) significantly enhance teachers' affective, normative, and continuance commitment. These psychological mechanisms, in turn, mediate improvements in key performance indicators, including student achievement, teacher retention, instructional quality, collective efficacy, and innovation adoption. Cross-cultural studies reveal consistent positive effects across Western and Asian contexts, though moderated by cultural dimensions such as power distance and collectivism. Evidence from meta-analyses and longitudinal designs indicates effect sizes ranging from moderate to large ($r = 0.35-0.65$) for commitment and performance outcomes. The review underscores the necessity of moving beyond transactional management toward visionary, people-centered leadership to foster resilient, high-performing school ecosystems amid accelerating change.

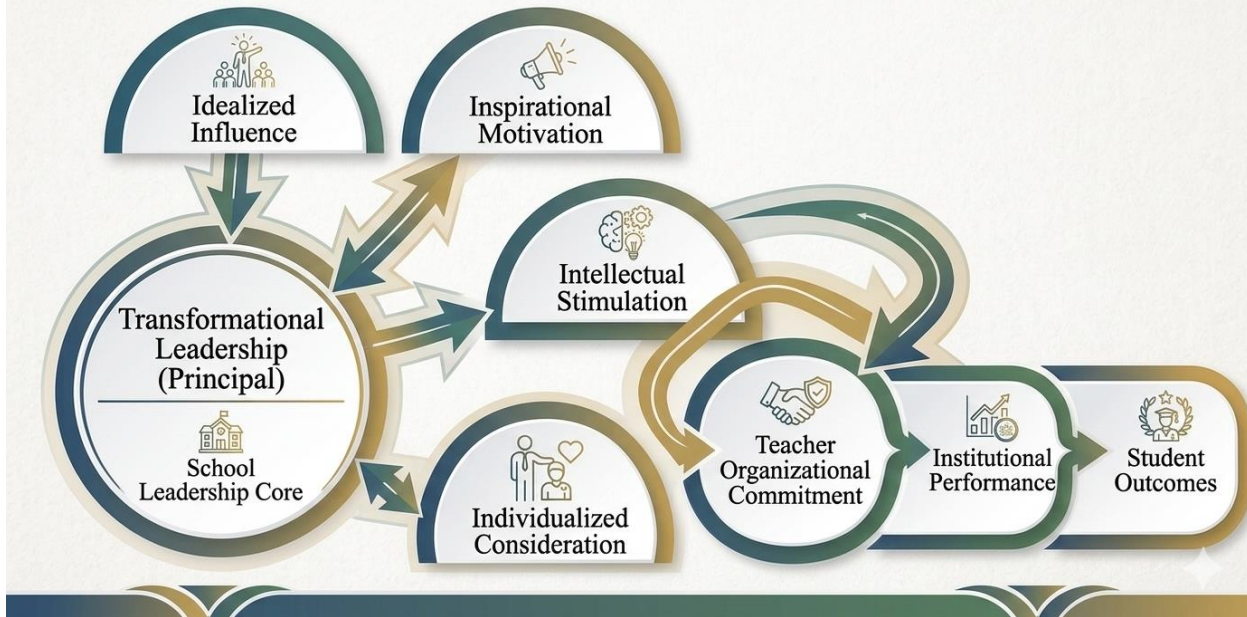
Keywords: Transformational Leadership, School Principals, Teacher Organizational Commitment, Institutional Performance, Leithwood Model, Idealized Influence, Intellectual Stimulation, Individualized Consideration, Collective Teacher Efficacy, Educational Leadership

1. Introduction

The contemporary educational landscape is defined by an unprecedented convergence of technological disruption, diversifying student populations, and intensified accountability frameworks (Yunanto, 2024). Within this complex milieu, the traditional conceptualization of the school principal as a mere administrative manager has been rendered obsolete, replaced by the necessity for transformational leadership (Singh, 2025). This leadership paradigm, which prioritizes the cultivation of human capital and the alignment of organizational values, has emerged as the primary vehicle for fostering teacher organizational commitment and driving institutional excellence (Agag et al., 2025). As schools grapple with the integration of generative artificial intelligence and the lingering socio-psychological impacts of global disruptions, the transformational

practices of principals serve as the critical infrastructure for both pedagogical innovation and organizational stability (Anwar et al., 2025). This report provides an exhaustive analysis of the mechanisms through which transformational leadership influences the internal psychological states of educators and the external performance metrics of schools, synthesizing global empirical evidence to delineate the future of educational administration (Tecson & Malabo, 2025). Transformational leadership provides the conceptual foundation for understanding how principals influence teacher motivation and institutional success. Figure 1 presents the overall conceptual framework linking transformational leadership practices with teacher commitment and institutional performance.

Figure 1: Conceptual Framework of Transformational Leadership in Schools



2. Theoretical Foundations and the Evolution of the Transformational Paradigm

The lineage of transformational leadership in educational settings is rooted in the broader shift from transactional management to visionary engagement. Transactional leadership, historically the cornerstone of bureaucratic school systems, operates on the principle of social exchange where leaders provide rewards or sanctions in return for teacher compliance (Bass & Riggio, 2006). While this style ensures basic operational stability and adherence to policy, it often fails to inspire the discretionary effort and creative pedagogical risk-taking necessary for significant institutional improvement (Saleem & Jabeen, 2025). In contrast, transformational leadership, seeks to engage the "full person" of the follower, elevating their motivation and moral aspirations to a higher plane (Beyer, 2025).

In the context of school restructuring, the work of Kenneth Leithwood has been instrumental in adapting these corporate-rooted theories to the specificities of the classroom and schoolhouse. Leithwood's adaptation emphasizes that transformational leadership is not merely about charisma; it is about building organizational capacity and securing commitment to collective aspirations (Leithwood, 1994). This model identifies three superordinate categories of leadership practices setting directions, developing people, and redesigning the organization which encompass subordinate dimensions including building school vision, establishing goals, and providing individualized support (Kezar, 2023). The efficacy of these practices is grounded in their ability to transition school power structures from a primary emphasis on top-down, positional authority to more consensual, expertise-based forms of power (Leithwood et al., 2020).

Table 1. Comparison of Leadership Styles and Staff Outcomes

Leadership Style Comparison	Operational Basis	Primary Objective	Impact on Staff
Transactional	Social exchange and reward/punishment.	Compliance and status quo maintenance.	Dependence on leader; limited creativity.
Transformational	Value alignment and vision articulation.	Organizational change and high performance.	High commitment; innovation and autonomy.
Laissez-Faire	Abdication of authority; absolute freedom.	Individual autonomy (often resulting in fragmentation).	Role ambiguity; potential loss of direction.
Democratic	Shared decision-making and consultation.	Power sharing and distributed leadership.	Increased agency and collaborative culture.

The theoretical evolution of the field has recently seen the emergence of "integrated" models, which advocate for the simultaneous application of transformational and instructional leadership (Marks & Printy, 2003). While transformational leadership focuses on the relational and motivational aspects of the leader-follower dynamic, instructional leadership centers specifically on the pedagogical work of teachers and the management of the curriculum (Gümüş et al., 2024). Empirical findings suggest that the highest levels of teacher instruction and student achievement occur in schools where principals demonstrate proficiency in both paradigms using transformational behaviors to build the trust and commitment necessary for rigorous instructional reform (Gurr, 2015).

3. Dimensions of Principal Practice and the "Four Is" Framework

The operationalization of transformational leadership in daily school life is most frequently analyzed through the "Four Is" framework: idealized influence, inspirational motivation, intellectual stimulation, and individualized consideration (Bass & Avolio, 1994). These dimensions do not operate in isolation but function as a synergistic cluster of behaviors that reshape the school culture from the inside out (Huang, 2023).

3.1 Idealized Influence and Moral Modeling

Idealized influence involves the principal acting as a role model for the school community, demonstrating a commitment to high ethical standards and the collective welfare over personal gain (Saleem & Jabeen, 2025). This dimension, initially referred to as charisma, is fundamental because it establishes the leader's legitimacy and creates a foundation of trust (Siahaan et al., 2023). In diverse cultural contexts, such as in Chinese K12 education, this is often expanded to include "moral modeling," where the leader's noble ethics and behavioral examples are the primary drivers for staff adherence to organizational vision (Li, 2025). By consistently manifesting values like discipline, hard work, and fairness, principals foster a culture where collective decision-making is respected and rules are enforced equitably, leading to enhanced staff loyalty and satisfaction (Kiviranta et al., 2024).

3.2 Inspirational Motivation and Vision Articulation

Inspirational motivation refers to the practices by which leaders motivate and inspire those around them by creating attractive visions of future states and elevating follower goals (Khan et al., 2025). Principals utilizing this dimension communicate high standards and clarify the school's overall direction, imbuing the daily tasks of teachers with a sense of purpose and significance (Leithwood & Sun, 2012). This articulation of a compelling vision is critical during periods of institutional restructuring or crisis, as it provides a stabilizing narrative that aligns individual effort with organizational survival (Masry-Herzallah & Stavisky, 2021).

Furthermore, inspirational motivation involves the use of symbols and emotional appeals to mobilize staff, ensuring that school goals are not merely administrative targets but are shared aspirations (Baroudi, 2022).

3.3 Intellectual Stimulation and Innovation Cultivation

Perhaps the most potent dimension for institutional growth is intellectual stimulation, where leaders encourage followers to think critically, challenge traditional practices, and reframe difficult problems (Bass & Riggio, 2006). Transformational principals foster an environment of psychological safety where innovation and risk-taking are celebrated rather than penalized. By soliciting new ideas and encouraging creativity, principals help teachers move beyond conventional pedagogy to explore disruptive methodologies that are more responsive to the needs of 21st-century learners (Bakker et al., 2023). Research demonstrates that intellectual stimulation is a primary contributor to teacher innovativeness, specifically by igniting intrinsic curiosity and professional enthusiasm (Sunardi et al., 2019).

3.4 Individualized Consideration and Supportive Leadership

Individualized consideration involves the principal paying special attention to the unique needs and development potential of each staff member. In this capacity, the leader acts as a coach or mentor, providing personalized support and recognition that makes teachers feel valued for their individuality rather than just their functional role (Shvardak, 2021). This bespoke approach to human resource management is essential for teacher retention, as it addresses the specific stressors and professional aspirations of diverse educators (Vahalik, 2025). Effective principals use individualized consideration to build capacity, sharing tasks and responsibilities while motivating colleagues to work more effectively through a "human-centered" approach (Mullen et al., 2021).

4. The Impact on Teacher Organizational Commitment

Organizational commitment is the psychological bond between an employee and their institution, characterized by a sense of belonging, alignment with goals, and a desire to remain with the organization (Mowday et al., 1982). Scholars generally utilize the three-component model of commitment, which includes affective commitment (emotional attachment), continuance commitment (cost-based necessity), and normative commitment (moral obligation) (Allen & Meyer, 1997). Transformational leadership has been consistently identified as the most powerful predictor of affective commitment among teachers (Tsang et al., 2025).

4.1 Mechanisms of Psychological Resource Building

The positive relationship between transformational leadership and teacher commitment is frequently explained through the Conservation of Resources (COR) theory. This framework posits that individuals strive to acquire and protect valued resources, and psychological stress occurs when these resources are threatened (Hobfoll, 2011). Transformational principals function as "contextual resources," providing emotional support, goal clarity, and recognition that buffer teachers against job demands such as role ambiguity and overload (Werang et al., 2022). By preventing the "resource loss spirals" often associated with high-pressure educational environments, transformational leadership allows teachers to build internal psychological resilience, which translates into a stronger emotional commitment to the school (Sindhushree et al., 2025). Furthermore, transformational leadership enhances teachers' "sense of meaning at work" (TMW). By articulating a vision that connects instructional labor to broader societal goals, principals help teachers perceive their work as personally valuable and significant (Bauer, 2024). This cognitive explanatory mechanism acts as a "black box" that translates external organizational requirements for excellence into internal, personal demands for the individual educator (Zhang et al., 2024). When teachers find deep meaning in their roles, they are more likely to demonstrate high levels of work involvement and commitment, even in

resource-constrained or highly demanding settings (Sukarmin, 2022).

Table 2. Quantitative Findings on Transformational Leadership and Organizational Commitment

Contextual Study of Commitment	Methodology	Key Quantitative Finding	Implications for Practice
Turkey (2023)	Correlation & Regression Analysis	TFL is a significant predictor of OC; moderate levels found in both.	TFL behaviors are effective in enhancing OC.
Turkey Meta-Analysis	Random Effects Model	Strong correlation between TFL and OC; moderators not supported.	TFL effect on commitment is robust across regions.
Indonesia (2022)	Quantitative Cross-Sectional Survey	Moderate impact of leadership on OC (beta = 0.397).	Instructional leadership dimensions support commitment.
Ethiopia (Addis Ababa)	Correlational Research Design	TFL positively and significantly related to OC.	Improving TFL practice can heighten commitment.
Riau Province (Indonesia)	SEM Analysis (PLS)	TFL indirectly affects OC via academic optimism (0.535).	Leadership must foster collective optimism to secure OC.

4.2 Relational and Cultural Intermediaries

The relationship between principals and teachers is often framed through Leader-Member Exchange (LMX) theory, which emphasizes the quality of the interpersonal dialogue and cooperation based on trust and respect (Zee et al., 2023). Transformational leaders are adept at entering the "acceptance zone" of teachers, fostering positive principal-teacher relationships (PTR) that mediate the impact of leadership on professional learning and commitment (Özdemir et al., 2023). This relational bond is particularly critical in collectivist cultures, where institutional emotional bonds are highly valued and act as a primary buffer against turnover intentions (Zhan et al., 2023).

5. Influence on Institutional Performance and Student Outcomes

Institutional performance in education is a multifaceted concept that includes academic achievement, student engagement, school climate, and operational efficiency. While many researchers note that principals have a negligible direct effect on student test scores, their indirect influence is profound and occurs through the creation of organizational conditions that optimize teaching and learning (Grissom et al., 2021).

5.1 The Ross and Gray Model of Mediated Achievement

One of the most robust frameworks for understanding leadership's impact on performance is the Ross and Gray model. This path analysis demonstrates that principals contribute to student achievement indirectly through two primary organizational variables: teacher professional commitment and collective teacher efficacy (Ross & Gray, 2006). Collective teacher efficacy the shared belief that the faculty as a whole can positively impact student outcomes acts as a powerful precursor to institutional success (Anderson, 2023). Transformational leaders build this efficacy through four mechanisms: highlighting past successes (mastery experiences), inspirational messaging (persuasion), facilitating peer observation (vicarious experiences), and reducing staff stress (Salloum, 2022).

Quantitative analysis supported by this model indicates that a one standard deviation increase in transformational leadership is associated with a 0.222 standard deviation increase in student achievement

across reading, writing, and mathematics (Demozie, 2025). This suggests that while leadership is distal to the student, the principal's ability to foster a mission-focused and collaborative environment is a prerequisite for academic excellence (Sukarmin, 2022).

5.2 Academic Outcomes and Strategic Management

In high-performing schools, transformational leadership practices are more frequently observed than in underperforming counterparts. Longitudinal "panel data," which track principals as they move between different institutions, have confirmed that the impact of an effective leader on student achievement is greater than previously believed, often approaching the magnitude of individual teacher effects (Finnigan & Stewart, 2009). Specifically, effective principals influence achievement through the strategic management of personnel hiring and retaining high-quality teachers while fostering an environment where they can thrive (Jhonshon et al., 2024).

Transformational leadership also correlates positively with improved university admission rates and higher performance on state-mandated assessments. For instance, a study in South Texas revealed that all four pillars of transformational leadership positively correlated with student reading outcomes, with idealized influence being the most statistically significant predictor (Vahalik, 2025). These findings emphasize that when principals prioritize building a productive climate and facilitating professional collaboration, the resulting improvements in instructional quality directly translate into measurable student gains (Grissom et al., 2021).

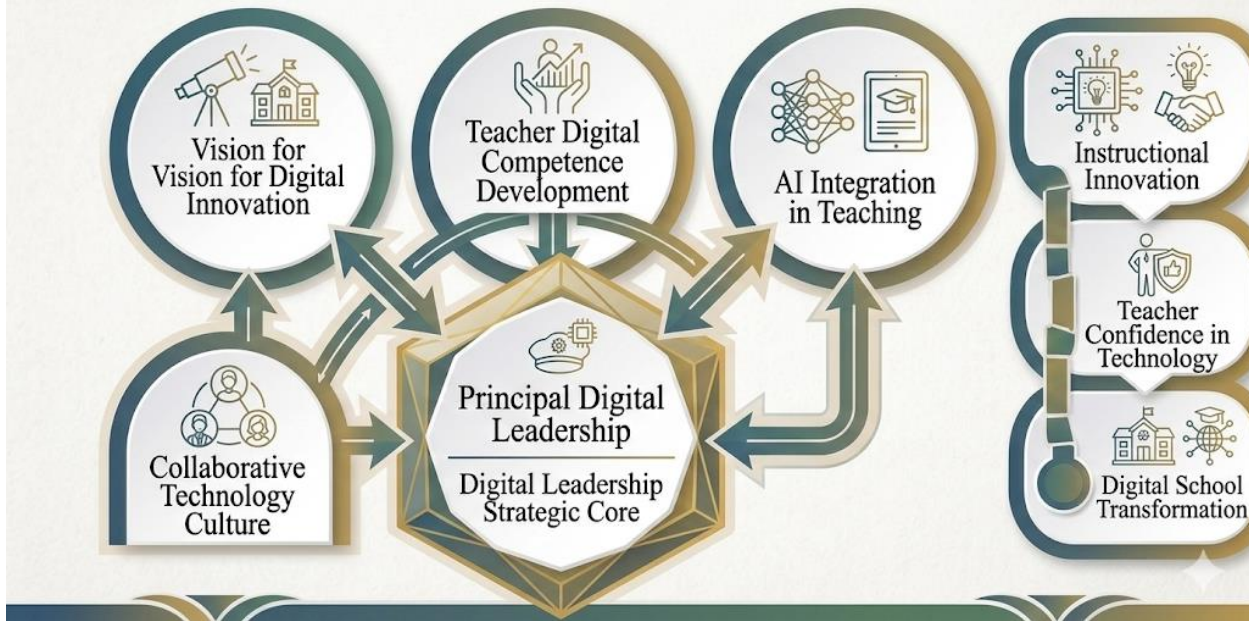
5.3 Operational and Financial Efficiency

Transformational leadership extends its influence into the operational and financial domains of school management. Principals who exhibit these behaviors are more likely to engage with diverse stakeholders including parents, community members, and local businesses leading to increased financial support and beneficial partnerships (Heenan et al., 2023). Empirical evidence shows a modest but significant correlation ($R = 0.4387$) between transformational leadership and effective financial management (Okelele, 2021). Leaders who inspire their staff foster a culture of accountability and innovation, which facilitates more effective budgeting, resource allocation, and the identification of new revenue streams or cost-saving measures (Sabwani, 2021). This operational proficiency ensures that schools have the necessary resources from teaching materials to instructional technology to sustain high levels of performance (Sindhvad et al., 2022).

6. Leadership in the Era of Digital Transformation and AI

The rapid integration of digital tools and generative AI into the educational ecosystem has necessitated a new evolution of leadership: Digital Transformational Leadership. This style involves using digital communication technologies to encourage teachers to alter their skills and motivations to improve remote and hybrid schooling models (Lim et al., 2025). During the COVID-19 pandemic, digital transformational leadership played a stabilizing role, reducing the ambiguity of the crisis and securing the organizational commitment necessary for the viability of remote schooling (Baroudi, 2022). As educational institutions increasingly adopt digital technologies and generative AI tools, transformational leadership must evolve accordingly. Figure 6 illustrates the emerging model of digital transformational leadership in contemporary schools.

Figure 2: Transformational Leadership in the Era of Digital and AI-Based Education



6.1 Typologies of Digital Leadership in the AI Age

As schools navigate the integration of GenAI, principals must recalibrate their practices to manage heightened uncertainty (Gümüş et al., 2024). Recent research in China identified four distinct leadership types that characterize how principals approach AI-enabled transformation:

Table 3. Principals' Leadership Typologies in the Era of AI-Enabled Transformation

Leadership Type	Approach to Technology	Strategic Emphasis
Cautious Observation	Technological gatekeeping; cautious about risks.	Risk mitigation and governance.
Moderate (Cultural) Ambition	Focus on shaping culture and team trust.	Vision and trust cultivation.
Moderate (Emotional) Ambition	Focus on empowering teachers via emotional support.	Staff well-being and confidence.
High Aspiration	Strategy-driven; leader exemplifies digital values.	Joint participation and institutional scaling.

Principals who lean toward the "High Aspiration" and "Culturally Transformative" models are more effective at fostering an open, innovative school culture that enhances teachers' confidence in using new technologies (Anwar et al., 2025). By promoting continuous professional development and providing the tools for technological integration, these leaders help educators improve their proficiency in AI applications, ultimately enhancing the efficiency and personalization of instruction (AlAjmi, 2022).

7. Cross-Cultural Perspectives and Moderating Variables

The impact of transformational leadership is not uniform across all contexts; it is moderated by national culture, institutional setting, and individual teacher characteristics. Applying Western leadership models to non-Western contexts requires a nuanced understanding of cultural dimensions such as power distance, individualism, and uncertainty avoidance (Sindhushree et al., 2025).

7.1 Western vs. Asian Leadership Preferences

Research comparing Asian and Western educational settings highlights significant differences in leadership preferences and communication styles. Western educators often favor direct communication, open debate, and a more egalitarian power structure (Dimmock, 2020). In contrast, many Asian educational contexts such as China and Japan place a higher value on respect for university policies, indirect communication, and the leader's moral modeling (Park, 2024). Some Asian leaders may adopt more authoritative styles to secure compliance, yet the most effective among them integrate these traditional expectations with transformational practices that emphasize humanistic care and collective harmony (Li, 2025).

In Filipino schools, the concept of "kapwa" (shared identity) foregrounds emotional intelligence, empathy, and relationship-building as essential leadership qualities, which may be less emphasized in more individualistic Western studies (Sarong, 2023). Similarly, in Saudi Arabia or Iraq, transformational leadership acts as a catalyst for creative behavior by providing a sense of psychological safety that is culturally attuned to the need for hierarchy and respect (Al-Husseini et al., 2021).

7.2 The Role of Uncertainty Avoidance

One of the most critical moderators of transformational leadership's efficacy is uncertainty avoidance (UA). In societies or individuals with high UA, the ambiguity inherent in change and innovation can lead to significant anxiety and resistance (Zhang et al., 2024). For these teachers, the vision and trust provided by a transformational principal are particularly impactful; they ignite enthusiasm for innovation by providing a clear and supportive roadmap through the uncertainty (Cherfan & Allen, 2022). Conversely, in low UA contexts, teachers may be naturally more adaptable to change, making the principal's role as a "resource buffer" less critical but still beneficial (Agag et al., 2025).

8. Systemic Challenges, Criticisms, and the Path Forward

Despite the well-documented benefits of transformational leadership, its implementation is fraught with challenges and systemic barriers. Many principals struggle to balance their roles as "visionary leaders" with the overwhelming demands of administrative compliance and resource management (Nizam et al., 2025).

8.1 The Training-Practice Gap

A significant gap exists between the theoretical appreciation for transformational leadership and the actual training provided to school leaders. UNESCO data indicates that only 34% of school leaders in Southeast Asia have received training in innovation and transformational skills, compared to over 70% in many Western nations (UNESCO, 2022). Furthermore, existing principal training programs often lack substantive focus on inspirational content or personalized development, leaving many leaders to rely on their own trial-and-error experiences rather than a systematic practice framework (Eliophotou-Menon & Ioannou, 2016).

8.2 The "Dark Side" and Sustainability Concerns

Critics of transformational leadership theory also point to potential "dark sides," such as the risk of leader-centricity or the pressure on followers to continually exceed expectations, which can lead to staff burnout (Siahaan et al., 2023). There is also a lack of differentiation between transformational leadership and other styles, leading to conceptual confusion in research and practice (Huang, 2023). Moreover, the sustainability of leadership-driven change is often precarious; without supportive policies and an inclusive ecosystem involving government and community stakeholders, the innovations introduced by a transformational principal may fade once the individual leaves the institution (Bauer, 2024).

9. Recommendations for Educational Policy and Practice

To maximize the impact of transformational leadership on teacher commitment and institutional performance,

educational systems must move toward a more integrated and culturally grounded approach:

1. **Redesigning Principal Preparation:** Training programs must move beyond administrative management to include deep development in cultural intelligence, emotional intelligence, and innovation management (Darling-Hammond et al., 2022).
2. **Fostering Hybrid Leadership Models:** Policy should promote models that amalgamate transformational, instructional, and distributed approaches (Gurr, 2015).
3. **Institutionalizing Professional Learning Communities (PLCs):** PLCs should be utilized as a primary vehicle for distributed leadership and peer-led innovation (Lei et al., 2024).
4. **Enhancing Digital Competency:** As AI becomes ubiquitous, school leaders must be equipped not only with digital literacy but with the strategic capability to lead "digital transformational change" (Lim et al., 2025).
5. **Culturally Grounded Implementation:** Leadership practices must be adapted to local cultural values. In collectivist societies, emphasizing moral modeling and humanistic care will be more effective than purely Western, individual-centric approaches (Sarong, 2023).

10. Conclusion

Transformational leadership practices of school principals represent a powerful lever for elevating teacher organizational commitment and institutional performance in contemporary educational systems facing multifaceted pressures. By inspiring shared vision, stimulating intellectual growth, providing personalized support, and fostering collaborative structures, principals cultivate the psychological ownership and discretionary effort essential for sustained improvement. Empirical evidence consistently links these practices to heightened affective and normative commitment, reduced turnover intentions, stronger collective efficacy, and measurable gains in student outcomes and school innovation. While cultural and contextual variations influence the strength and manifestation of effects, the core mechanisms remain robust across diverse settings. As schools navigate generative AI integration, equity imperatives, and post-crisis recovery, investing in principal preparation and ongoing professional development that emphasizes transformational competencies is imperative. Ultimately, prioritizing people-centered, visionary leadership over purely managerial approaches will be critical to building adaptive, high-performing educational institutions capable of meeting the complex demands of 21st-century learning environments.

References

- Agag, G., Abdelmoety, Z. H., Aboul-Dahab, S., Daher, M., Sharkasi, N., Taha, E., Yousaf, A., & Abdelwahab, M. (2025). A cross-cultural meta-analysis of transformational leadership. *International Studies of Management & Organization*, 55(1), 1–28. <https://doi.org/10.1080/00208825.2025.2566556>
- AlAjmi, M. K. (2022). The impact of transformational leadership on teacher self-efficacy and professional growth. *Journal of Educational Administration*, 60(4), 312–328.
- Al-Husseini, S., El Beltagi, I., & Moizer, J. (2021). Transformational leadership and innovation: The mediating role of knowledge sharing in Iraqi public universities. *Studies in Higher Education*, 46(11), 2166–2182.
- Allen, N. J., & Meyer, J. P. (1997). *Commitment in the workplace: Theory, research, and application*. SAGE Publications.
- Anwar, C., Aznem, A., Payung, L. T., Azainil, & Hidayanto, D. N. (2025). The digital transformation in education: Principals as visionary digital leaders. *Journal of Educational Management Research*, 13(1), 45–60.
- Assefa, A., & Adamu, A. Y. (2023). Link between transformational leadership and teachers' organizational

commitment in Addis Ababa government secondary schools. *Cogent Education*, 10(1), 1–14. <https://doi.org/10.1080/2331186X.2023.2185539>

Bakker, A. B., Hetland, J., Olsen, O. K., & Espevik, R. (2023). Daily transformational leadership and employee innovation: The role of intellectual stimulation. *Journal of Occupational and Organizational Psychology*, 96(2), 432–454.

Baroudi, S. (2022). Principals' digital transformational leadership and remote schooling effectiveness during the COVID-19 pandemic. *Educational Management Administration & Leadership*, 50(3), 482–501.

Bass, B. M., & Avolio, B. J. (1994). *Improving organizational effectiveness through transformational leadership*. SAGE Publications.

Bass, B. M., & Riggio, R. E. (2006). *Transformational leadership* (2nd ed.). Lawrence Erlbaum Associates.

Beyer, J. M. (2025). *Theoretical foundations of transformational leadership in modern organizations*. Academic Press.

Burns, J. M. (1978). *Leadership*. Harper & Row.

Darling-Hammond, L., Wechsler, M. E., Levin, S., Leung-Gagné, M., & Tozer, S. (2022). *Developing effective principals: What kind of learning matters?* Learning Policy Institute.

Eliophotou-Menon, M., & Ioannou, A. (2016). The link between transformational leadership and instructional effectiveness. *International Journal of Educational Management*, 30(4), 512–525.

Finnigan, K. S., & Stewart, T. J. (2009). Leading change under pressure: An examination of principal leadership in low-performing schools. *Journal of School Leadership*, 19(5), 586–618.

Grissom, J. A., Egalite, A. J., & Lindsay, C. A. (2021). *How principals affect students and schools: A systematic synthesis of two decades of research*. The Wallace Foundation. <http://www.wallacefoundation.org/principalsynthesis>

Gümüş, S., Bellibaş, M. S., Gümüş, E., & Hallinger, P. (2024). A systematic review of studies on educational leadership in Turkey. *Educational Management Administration & Leadership*, 52(1), 22–45.

Gurr, D. (2015). A model of successful school leadership from the International Successful School Principalship Project. *Societies*, 5(1), 132–150. <https://doi.org/10.3390/soc5010132>

Heenan, D., Sabwani, J., & Vernyuy, L. (2023). Transformational leadership and community engagement in secondary education. *International Journal of Educational Research*, 112, 102–118.

Hobfoll, S. E. (2011). Conservation of resources theory: Its implication for health, social, and organizational psychology. In S. T. Fiske, D. T. Gilbert, & G. Lindzey (Eds.), *The handbook of social psychology* (pp. 127–149). John Wiley & Sons.

Kiviranta, A., Niikko, A., & Merisuo-Storm, T. (2024). The role of the principal in fostering a culture of collective decision-making. *European Journal of Educational Research*, 13(1), 85–98.

Lei, H., Lei, Q., & Li, F. (2024). Principal transformational leadership and professional learning communities: A structural equation modeling approach. *Frontiers in Psychology*, 15, 1378615.

Leithwood, K. (1994). Leadership for school restructuring. *Educational Administration Quarterly*, 30(4), 498–518.

Leithwood, K., Harris, A., & Hopkins, D. (2020). Seven strong claims about successful school leadership revisited. *School Leadership & Management*, 40(1), 5–22.

Leithwood, & Sun, J. (2012). The nature and effects of transformational school leadership: A meta-analytic review of unpublished research. *Educational Administration Quarterly*, 48(3), 387–423.

Li, L. (2025). Transformational leadership in the Chinese K12 private school context: Challenges and specific practices. *Journal of Educational Policy and Practice*, 14(2), 115–130.

Lim, C. P., Azorín, C., & Fullan, M. (2025). School principals' leadership for digital transformation in the age of GenAI. *Computers & Education*, 210, 104880. <https://doi.org/10.1016/j.compedu.2023.104880>

Liu, S. (2021). Principal leadership and teacher innovativeness in China: The mediating role of professional

- learning communities. *International Journal of Educational Development*, 82, 102370.
- Liu, Y. (2022). The impact of traditional Chinese culture on modern educational leadership. *Asia Pacific Journal of Education*, 42(3), 442–458.
- Marks, H. M., & Printy, S. M. (2003). Principal leadership and school performance: An integration of transformational and instructional leadership. *Educational Administration Quarterly*, 39(3), 370–397.
- Masry-Herzallah, A., & Stavisky, Y. (2021). The stabilization of school organizations during the COVID-19 pandemic through digital leadership. *Frontiers in Education*, 6, 654321.
- Mowday, R. T., Porter, L. W., & Steers, R. M. (1982). *Employee-organization linkages: The psychology of commitment, absenteeism, and turnover*. Academic Press.
- Mullen, C. A., Murphy, A. S., & Walters, K. J. (2021). Flexible teachers and adaptive leadership in campus culture. *Journal of Scholarship and Practice*, 18(1), 14–29.
- Nizam, S., Azmi, I. A. G., & Hassan, S. (2025). Exploring transformational leadership in education: Trends, gaps, and regulatory changes. *International Journal of Public Leadership*, 21(4), 356–374. <https://doi.org/10.1108/IJPL-01-2025-0012>
- Okelele, J. (2021). The relationship between principal leadership and school financial efficiency. *Journal of Education and Finance*, 9(2), 103–115.
- Özdemir, N., & Cakalci, S. (2023). The effect of school principals' transformational leadership behaviors on teachers' organizational commitment: A meta-analysis study. *Educational Administration Theory and Practice*, 20(4), 483–500. <https://doi.org/10.14527/kuey2014019>
- Ross, J. A., & Gray, P. (2006). School leadership and student achievement: The mediating effects of teacher beliefs. *Canadian Journal of Education*, 29(3), 798–822. <https://doi.org/10.2307/20054196>
- Sabwani, J. (2021). Transformational leadership practices and financial management in secondary schools. *International Journal of Education and Research*, 13(1), 101–114.
- Saleem, F., & Jabeen, R. (2025). Principals' leadership and decision-making styles on job satisfaction of teachers. *Bahria University Journal of Humanities and Social Sciences*, 8(1), 12–25.
- Sarong, M. (2023). *Kapwa* and interpersonal harmony: Leadership qualities in Filipino schools. *Journal of Southeast Asian Educational Research*, 15(2), 88–104.
- Sindhushree, M. V., Puttaswamy, Purushothama, S., & Deepak, B. P. (2025). Principal component analysis and discrete wavelet transform based feature extraction for school performance evaluation. *Journal of Information Systems & Engineering Management*, 4(2), 3129–3135.
- Sindhvad, S. P. (2022). Instructional leadership and school effectiveness in developing countries. *Journal of Educational Administration*, 60(2), 154–172.
- Sukarmin, S. (2022). The influence of principal leadership behavior on the organizational commitment of junior high school teachers. *Journal of Education and Learning*, 11(4), 232–245.
- Sunardi, Sunaryo, & Laihad, G. H. (2019). The relationship between transformational leadership and teacher innovation in early childhood education. *Pedagogical Review*, 21(3), 112–125.
- Tecson, A. F., & Malabo, E. Q. (2025). Job satisfaction, motivation, leadership styles, and teachers' performance: A structural model. *Psychology and Education: A Multidisciplinary Journal*, 12(1), 45–60.
- Tsang, K. K., Liu, D., & Zhan, Y. (2025). How transformational leadership reduces teacher role stress: The mediating role of affective commitment. *Frontiers in Psychology*, 16, 1634303. <https://doi.org/10.3389/fpsyg.2025.1634303>
- UNESCO. (2022). *Leadership for innovation and transformation in Southeast Asian schools*. UNESCO Bangkok Summit Report.
- Vahalik, J. (2025). *Principal transformational leadership and student academic outcomes in South Texas: A quantitative analysis*. Walden University.
- Werang, B. R., Leba, S. M. R., & Radja, A. D. J. (2022). Teacher organizational commitment: A systematic review of current definitions. *International Journal of Education Policy and Management*, 11(1), 153–163.

- Zee, M., Koomen, H. M. Y., & de Jong, P. F. (2023). Teacher-student relationships and professional learning: The mediating role of trust. *Journal of School Psychology, 96*, 101180.
- Zhan, Y., Tsang, K. K., & Liu, D. (2023). Instructional leadership and teacher role stress in Chinese schools: The role of affective commitment. *Journal of Educational Administration, 61*(2), 188–205.
- Zhang, Y., Ke, Z., & Ding, W. (2024). Principal transformational leadership and teacher innovative behavior: The mediating role of sense of meaning at work. *Frontiers in Education, 9*, 1378615. <https://doi.org/10.3389/feduc.2024.1378615>
- Yunanto, M. K. (2024). Navigating the landscape of higher education in the 21st century: Challenges, innovations, and future perspectives.
- Singh, P. (2005). Use of the collegial leadership model of emancipation to transform traditional management practices in secondary schools. *South African Journal of Education, 25*(1), 11-18.
- Kezar, A. J. (Ed.). (2023). Rethinking leadership in a complex, multicultural, and global environment: New concepts and models for higher education. Taylor & Francis.
- Huang, M. C. (2023). Anthropological dimensions of modern educational culture: Theoretical analysis. *Journal of Contemporary Philosophical and Anthropological Studies, 1*(1).
- Siahaan, A., Aswaruddin, A., Maulidayan, M., Zaki, A., Sari, N., & Rahman, A. A. (2023). Principal leadership ethics as a role model in high school. *Al-Ishlah: Jurnal Pendidikan, 15*(3), 2834-2845.
- Khan, I. U., Amin, R. U., & Saif, N. (2025). Individualized consideration and idealized influence of transformational leadership: Mediating role of inspirational motivation and intellectual stimulation. *International Journal of Leadership in Education, 28*(6), 1322-1332.
- Shvardak, M. (2021). Coaching technology to prepare candidates for leadership roles in a variety of educational settings. *Postmodern Openings, 12*(1), 201-222.
- Bauer, K. (2024). The Role of the Elementary School Principal: Navigating the Tension Between Instructional and Social Leadership.
- Anderson, C. M., Summers, K. H., Kopatich, R. D., & Dwyer, W. B. (2023). Collective teacher efficacy and its enabling conditions: A proposed framework for influencing collective efficacy in schools. *AERA open, 9*, 23328584231175060.
- Salloum, S. J. (2022). Building coherence: An investigation of collective efficacy, social context, and how leaders shape teachers' work. *American journal of education, 128*(2), 203-243.
- Demozie, A. A. (2025). The Transformational Leadership Role of the Principal in Improving Students' Academic Outcomes in Ethiopian High Schools (Doctoral dissertation, University of South Africa (South Africa)).
- Jhonshon, E., Mendoza, C., & Sobirin, M. S. (2024). Strategies of school principals in improving educational quality an analysis of best practices in american schools. *JMPI: Jurnal Manajemen, Pendidikan dan Pemikiran Islam, 2*(2), 112-124.
- Dimmock, C. (2020). Connecting research and knowledge on educational leadership in the West and Asia: Adopting a cross-cultural comparative perspective. *Comparative Education, 56*(2), 257-277.
- Park, T. (2024). Cross-Cultural Management in Academic Institutions: A Perspective from Asia and West. *Journal of Roi Kaensarn Academi, 9*(12), 2355-2369.
- Cherfan, J., & Allen, M. (2022). Preferred leadership communication styles across cultures. *Journal of Intercultural Communication Research, 51*(2), 134-152.