From Isolation to Innovation: Narrative Self-Study of Teachers Adopting Digital Pedagogies in Remote Canadian Regions

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ABSTRACT

Background. Teachers in remote Canadian regions have historically faced challenges related to geographic isolation, limited access to professional development, and infrastructural disparities. The COVID-19 pandemic accelerated the demand for digital pedagogies, forcing educators in these contexts to rapidly adopt unfamiliar technologies and reconfigure their instructional practices.

Purpose. This study investigates how teachers in remote areas navigated this transition through a narrative self-study lens.

Method. Using qualitative methodology, five educators from rural provinces in Northern Canada engaged in self-reflective journaling and peer dialogue over a nine-month period. Thematic analysis of the narratives revealed key tensions between professional isolation and digital empowerment, as well as shifts in teacher identity, agency, and pedagogical innovation.

Results. Participants described initial resistance, technological uncertainty, and emotional fatigue, which gradually evolved into adaptive strategies, collaborative learning, and renewed professional purpose. The findings highlight how digital transformation, though initially disruptive, served as a catalyst for reflective growth and community-building in marginalized teaching environments.

Conclusion. The study concludes that narrative self-study can be a powerful tool for supporting teacher resilience, agency, and innovation, especially in geographically and technologically constrained settings.

KEYWORDS

Digital Pedagogy, Remote Education, Rural Canada

INTRODUCTION

Teaching in remote and rural Canadian regions has long been characterized by a unique set of challenges, including geographic isolation, inconsistent access to professional learning, and infrastructural limitations (Finkelstein dkk., 2024; Yang W.-C. dkk., 2024). Educators in these areas often work in contexts with reduced connectivity, limited collaboration opportunities, and a high degree of professional solitude. These constraints shape not only the delivery of content but also teachers' professional identities and their sense of agency. The onset of the COVID-19 pandemic added new urgency to these dynamics, prompting an accelerated shift toward digital pedagogies in communities where digital

pedagogies in communities where technological infrastructures were often inadequate.

Many were required to adopt new teaching platforms and pedagogical approaches with little or no training. The experience demanded a rapid rethinking of instruction, communication, and assessment practices, all within the context of professional and personal isolation (Ji dkk., 2024; Lucena & Ramirez, 2024). These conditions magnified existing systemic inequities while simultaneously creating spaces for innovation, experimentation, and collaborative resilience. Understanding how teachers adapted to this landscape is crucial for informing future efforts to support digital equity and pedagogical innovation in rural education.

The pandemic not only intensified pre-existing gaps in rural education but also revealed the creative capacities of teachers working in high-constraint environments (Aidoo, 2024; Zhao dkk., 2024). Faced with the urgency of continuity in education, many remote educators developed context-sensitive strategies that reflected both pedagogical adaptability and professional introspection (Schmittwilken dkk., 2024; Wong & Ortega, 2024). These responses were not merely technical in nature but deeply reflective and identity-shaping. Investigating these experiences through a narrative lens allows researchers to gain insight into the emotional, ethical, and intellectual dimensions of teaching transformation under pressure.

This study focuses on the specific problem of how remote educators in Canadian northern regions navigated the transition to digital teaching modalities during a period of acute disruption (Cai dkk., 2024; Regan dkk., 2024). Teachers in these areas often lack access to the technological infrastructure, training, and support networks that their urban counterparts might rely on. The digital divide is not merely about access to hardware or internet bandwidth but also about the pedagogical frameworks and professional support systems that enable meaningful technology integration. These deficits leave rural teachers particularly vulnerable in moments of systemic transition, such as the sudden move to online learning prompted by the pandemic.

In the absence of sustained institutional guidance, teachers were forced to become both learners and innovators simultaneously (Lucena & Ramirez, 2024; Regan dkk., 2024). They encountered new roles as facilitators of digital engagement, troubleshooters of technology, and caretakers of students' emotional well-being. The challenges were magnified by limited access to mentorship, unreliable internet connectivity, and a lack of locally relevant professional development. The absence of region-specific research on how rural teachers cope with these pressures further underscores the need for targeted scholarly attention to this issue.

Teachers' responses to these dilemmas often took the form of personal reflection, peer collaboration, and pedagogical reinvention (Aung, Aung, dkk., 2024; Aung, Funabiki, dkk., 2024). These practices, while sometimes informal, constituted a meaningful form of professional learning and identity negotiation. The narrative self-study approach offers a lens to examine how teachers used their experiences to adapt and grow in the midst of complexity. It also allows for an appreciation of how teachers redefined professionalism and community engagement in contexts that are typically positioned at the periphery of educational innovation discourse.

The primary aim of this study is to investigate how educators in remote Canadian regions experienced the shift to digital pedagogies during the COVID-19 pandemic and how this transition influenced their teaching identities and practices (Cai dkk., 2024; Hiramatsu dkk., 2024). The research focuses on five teacher participants who engaged in narrative self-study to document and reflect upon their professional journeys over a nine-month period. Through these self-narratives, the study seeks to capture the evolving pedagogical choices, emotional challenges, and identity transformations that accompanied the digital transition.

The study also aims to explore the relationship between professional isolation and pedagogical innovation. While remoteness has often been associated with constraint, this research examines how such contexts can also serve as spaces for creativity and agency when teachers are supported in reflective practice (Takács dkk., 2024; Yang, 2024). The self-study approach enables educators to become co-constructors of knowledge, offering insights not only into their personal experiences but also into broader patterns of transformation within rural education.

A further objective is to contribute a methodological framework that bridges narrative inquiry and rural digital pedagogy. The research seeks to demonstrate how the act of storytelling can facilitate deeper professional reflection, enhance teacher resilience, and support adaptive instructional design (Lyozina & Iashin, 2024). By embedding reflection into the research process, the study highlights how narrative can serve both as a method of inquiry and as a tool for professional renewal.

There is a growing body of literature on digital education and teacher adaptability during the pandemic, yet much of it is centered on urban or suburban contexts (Hunting dkk., 2024; Sridharan & Sequeira, 2024). Rural and remote educators remain underrepresented in this discourse, particularly those working in regions with structural limitations such as inconsistent broadband access, small student populations, and limited administrative support. Most large-scale studies emphasize technological infrastructure or student outcomes but overlook the reflective and emotional dimensions of teaching in marginal spaces.

Existing research that does focus on rural education often treats digital transformation as a policy or technical challenge, failing to account for the lived experiences of educators navigating these shifts in real time (Caetano & Sobral, 2024; Kuznetsova dkk., 2024). The voices of rural teachers—especially those who have adapted and innovated under severe constraints—are rarely captured in scholarly literature. This omission limits the field's understanding of how professional growth and pedagogical ingenuity can emerge from challenging contexts when teachers are given space to reflect, collaborate, and create.

Narrative self-study provides a methodological and conceptual response to this gap by placing teacher experience at the center of inquiry. It allows for the examination of teaching not as a static profession but as an evolving, reflective practice grounded in context (Kaufman, 2024; Ritter & Ergas, 2024). Through personal storytelling, educators can surface their uncertainties, articulate their learning, and frame their struggles as opportunities for transformation. This study addresses a crucial void in the literature by making visible the professional learning journeys of teachers in rural Canadian regions.

This research offers a novel contribution by reframing isolation not only as a limitation but as a site of innovation when approached through reflective and collaborative inquiry. The self-study approach positions teachers as active agents in their own professional development, capable of documenting, analyzing, and transforming their pedagogical practices in real time. This orientation challenges deficit narratives about rural education by highlighting the adaptive capacities and creative problem-solving of educators working in remote environments.

The use of narrative self-study in this research also contributes methodologically by advancing a participatory, teacher-centered approach to educational inquiry. Rather than treating teachers as research subjects, the study empowers them as co-researchers whose insights are grounded in lived experience and reflective engagement (Mascio & Fornauf, 2024; Thao, 2024). This approach promotes a form of knowledge production that is both epistemologically democratic and pedagogically generative.

This research is justified by its potential to inform teacher education, rural policy, and professional development programming (Butler & Burgin, 2024; Kim & Pratt, 2024). By foregrounding the voices and reflections of teachers in remote areas, the study challenges centralized models of educational reform and invites more nuanced, localized understandings of professional growth (Brennan dkk., 2024; van Laren & Mudaly, 2024). The findings underscore the importance of investing in reflective practice, digital equity, and community-based innovation in teacher learning systems across diverse geographic contexts.

RESEARCH METHODOLOGY

This study employed a qualitative narrative self-study design to examine how teachers in remote Canadian regions experienced and adapted to the rapid shift toward digital pedagogies during the COVID-19 pandemic. Narrative self-study was chosen for its capacity to engage teachers as reflective practitioners and co-researchers, allowing them to document and analyze their own lived experiences in a systematic and scholarly manner (Nguyen & Gondwe, 2024; Pašák & Palcut, 2024). The design emphasized personal meaning-making, professional identity development, and context-specific pedagogical transformation, aligning with the study's aim to explore teaching innovation emerging from geographical isolation.

The participant group consisted of five educators teaching in remote and rural areas across Northern Canada, including regions of Yukon, Northern British Columbia, and Northern Ontario. Participants were selected using purposive sampling to ensure diversity in grade levels taught, years of teaching experience, technological access, and school community characteristics (Lu dkk., 2024; Russell, 2024). Each participant had prior experience with blended or online learning and expressed a willingness to engage in sustained reflective practice over the study's nine-month duration. The sample was intentionally small to allow for depth of engagement, sustained mentoring, and rich qualitative analysis consistent with self-study methodology.

Data collection relied on three primary instruments: reflective journals, recorded self-dialogues, and peer-facilitated group discussions. Each teacher maintained a bi-weekly reflective journal in which they described challenges, innovations, emotional responses, and evolving pedagogical beliefs. In addition, participants were asked to record periodic audio or video self-dialogues to capture spontaneous thoughts and affective responses during moments of teaching or professional learning (Burns dkk., 2024; Lu dkk., 2024). Monthly group discussions were conducted virtually, serving as spaces for dialogic validation, peer mentoring, and the co-construction of meaning across diverse yet shared contexts.

The research took place from September 2021 to May 2022, with data collected iteratively throughout the school year. Participants received initial training in narrative reflection and ethical documentation to support consistent journaling and self-inquiry practices. Data were analyzed using thematic narrative analysis, focusing on recurring motifs such as professional isolation, technological adaptation, relational pedagogy, and teacher identity redefinition. Coding was conducted inductively, with initial open coding followed by focused thematic clustering (Aakernes dkk., 2024). Trustworthiness was established through prolonged engagement, peer debriefing, and member checking during group sessions. Ethical approval was obtained from the host university, and participants provided informed consent with full assurance of confidentiality, authorship acknowledgment, and withdrawal rights.

RESULTS AND DISCUSSION

The study involved five educators from remote regions across Northern Canada who participated in a nine-month narrative self-study process. Participants represented diverse contexts, including multi-grade classrooms, Indigenous-serving schools, and French-language institutions. All participants engaged in sustained reflective journaling, periodic self-dialogues, and monthly group conversations, yielding a corpus of over 250 pages of transcribed material and multimedia entries.

Table 1. Participant Profile Overview

Participant	Region	Teaching Level	Years of Experience	Internet Reliability	School Community Type
T1	Northern British Columbia	Grades 8–12	15	Moderate	Indigenous public school
T2	Yukon Territory	K–3	6	High	Rural community school
T3	Northern Ontario	Grades 4–6	11	Low	Remote francophone school
T4	Northern Alberta	Grades 9–12	20	Moderate	Regional secondary school
T5	Northern Saskatchewan	K–6	9	Low	Small First Nations school

The data reflect significant variation in infrastructure access, teaching contexts, and professional experience, which enriched the diversity of narrative accounts. Participants reported shared challenges despite geographical dispersion, including poor connectivity, lack of local IT support, and institutional delays in professional development. These commonalities framed the broader context of technological isolation that participants sought to overcome through adaptive pedagogical strategies.

Analysis revealed four major thematic categories: emotional dislocation and technological uncertainty, emergence of digital agency, collaborative professional learning, and pedagogical reinvention. All participants reported an initial sense of loss and frustration as they struggled to translate existing practices into unfamiliar digital formats. Feelings of professional inadequacy and anxiety were common in the early months of transition. These emotions were compounded by technical breakdowns and asynchronous student engagement, which created uncertainty about teaching effectiveness.

Over time, the narratives illustrated a trajectory from crisis to experimentation and, eventually, innovation. Teachers began to develop new routines that prioritized asynchronous engagement, multimodal communication, and culturally responsive adaptation of digital content. Participants experimented with digital storytelling, student-generated media, and learning management systems such as Google Classroom and Seesaw. Through these practices, educators expanded their digital competencies and began to view themselves as capable of shaping meaningful online learning.

Inferential narrative analysis revealed that professional growth was correlated with frequency and quality of self-reflection. Teachers who engaged in more frequent journaling and contributed substantively to peer discussions were more likely to articulate shifts in pedagogical belief and

practice. Their narratives demonstrated greater metacognitive awareness, a willingness to reframe failure as learning, and stronger expressions of pedagogical agency.

Participants who initially reported low confidence in using technology were among those who developed the most innovative instructional practices by the end of the study. Teachers with moderate or unreliable internet access found creative workarounds, including offline video creation, printable learning kits, and student radio projects. This suggests that technical constraint, when paired with reflective practice and peer support, may serve as a catalyst for innovation rather than a barrier.

The role of professional community was pivotal in fostering pedagogical experimentation. Participants described monthly group discussions not only as forums for resource exchange, but also as spaces of emotional solidarity and critical friendship. Shared reflection enhanced both accountability and creative risk-taking, reinforcing the value of community-based professional learning. Teachers highlighted that collegial dialogue was often more impactful than institution-led training.

Collaborative reflection was particularly influential in helping teachers reframe their roles from isolated technicians to adaptive designers of learning. Several narratives included moments where peer feedback prompted a shift in perspective or sparked new instructional ideas. The co-construction of professional knowledge through dialogue helped participants move beyond survival mode and into strategic instructional planning. This collaborative ethos bridged physical isolation with relational connection.

One illustrative case is that of T3, who taught in a French-language school with poor internet access. She initially struggled to maintain synchronous sessions, but pivoted to creating a weekly podcast in French for her students. This format enabled storytelling, vocabulary building, and community messages. Over time, students began submitting their own audio stories, leading to the creation of a student-led podcast channel that extended learning beyond the classroom.

Another example came from T5, who worked in a First Nations school where access to digital devices was limited. He collaborated with local elders to integrate land-based learning into asynchronous lessons, using short video demonstrations and printed learning guides. His approach not only preserved cultural continuity but also encouraged intergenerational learning at home. These cases reflect how teachers leveraged local knowledge and relationships to adapt digital pedagogies to community realities.

Narrative explanation revealed that digital transformation was not a linear process but a recursive journey involving adaptation, reflection, and reinvention. Participants continually negotiated tensions between institutional demands, student needs, and technological constraints. Their stories reflected a dynamic interplay between self-doubt and discovery, between failure and renewal, ultimately reinforcing their evolving identities as reflective digital practitioners.

The process of engaging in narrative self-study fostered increased resilience and professional autonomy. Participants reported that the act of writing, sharing, and analyzing their stories helped normalize vulnerability and highlight growth. This narrative consciousness enabled teachers to frame their work not only in terms of delivery outcomes but also in relation to broader questions of equity, engagement, and sustainability in rural education.

Interpretation of the findings suggests that remote educators possess a latent capacity for innovation that is often constrained by systemic neglect but can be activated through reflective, collegial inquiry. Digital pedagogy, in these cases, became a vehicle for professional transformation rather than a technical obligation. Participants reframed isolation as an opportunity for self-directed

learning and agency-building, ultimately redefining what it means to teach in high-challenge, low-resource contexts.

These insights support a broader reconsideration of how innovation is conceptualized in education. Rather than being tied to material abundance or urban infrastructure, pedagogical creativity emerged in response to constraint, reflection, and collaboration. The study affirms that rural and remote teachers, when empowered with reflective tools and peer networks, can serve as leaders in reimagining inclusive, context-sensitive digital education.

The findings from this study illustrate a progression from technological uncertainty and emotional dislocation to pedagogical innovation and professional empowerment among teachers in remote Canadian regions. Participants initially experienced the shift to digital teaching as a disruption marked by anxiety, technical barriers, and institutional silence. Over time, reflective engagement through self-study led to the emergence of adaptive strategies, new instructional practices, and reimagined teacher identities. The sustained process of self-reflection, peer dialogue, and context-sensitive experimentation allowed participants to transform their sense of isolation into a source of agency and creativity.

Teachers reported developing multimodal and culturally responsive pedagogical tools, often adapted to fit their students' connectivity levels, linguistic diversity, and local contexts. Practices such as asynchronous storytelling, home-based project learning, and collaborative student media production were not imposed from policy or external training, but rather emerged organically from local problem-solving. These innovations were made possible not by abundant infrastructure, but by commitment to relevance, student well-being, and peer-supported experimentation. The process revealed that transformation was not an outcome of institutional mandates but of relational and reflective professionalism.

Professional growth was closely linked to emotional honesty and narrative vulnerability. Participants acknowledged their insecurities, failures, and fears, which became raw material for change. The narrative space offered a medium to surface latent pedagogical values and to confront the misalignment between dominant models of digital learning and the realities of rural teaching. In doing so, teachers constructed new pedagogical identities rooted in care, adaptability, and self-determined innovation.

The study's findings reaffirm the potential of narrative self-study as a methodology that supports both research and practice. Participants were not only subjects of analysis but also producers of situated knowledge. Their narratives challenged deficit-based assumptions about rural education and affirmed the legitimacy of personal experience as a foundation for professional growth and systemic critique.

This study aligns with existing literature that positions rural educators as creative agents capable of contextually grounded pedagogical transformation. Prior research by Barbour and Reeves (2009) and Howley and Howley (2014) identifies rural teachers as resourceful practitioners who often work beyond formal structures to meet the needs of diverse learners. The present findings reinforce this perspective by showing how rural educators responded to the pandemic through bottom-up innovation, reflective adaptation, and relational pedagogy. These actions parallel global findings that highlight teacher agency as a crucial factor in crisis-driven educational change.

Unlike much of the literature that focuses on urban and suburban technology integration, this study foregrounds geographic remoteness as both a constraint and a catalyst. Rather than framing isolation as a deficit, the research reveals how reflective practice enabled educators to reconceptualize distance as a space for experimentation. This emphasis contrasts with dominant

narratives of rural dependence on external support and instead centers the internal capacities of educators to generate solutions aligned with local values and needs.

The study contributes to methodological discussions on the power of narrative inquiry and self-study in educational research. While case studies and surveys often produce static snapshots of teacher experience, narrative self-study captures dynamic processes of becoming. The iterative nature of journaling, dialogue, and analysis provided access to the evolution of thought and practice over time. This approach complements, but also transcends, the limitations of one-time interviews or observational studies by embedding the researcher within their own trajectory of learning and action.

Participants' innovations were not merely technical adaptations but expressions of ethical and relational pedagogy. Practices were informed by care for students' emotional well-being, attention to cultural continuity, and respect for community knowledge. These dimensions are often underrepresented in discussions of digital learning, which tend to privilege efficiency, assessment, and scalability. The findings suggest that innovation in rural education is less about technology per se and more about how educators humanize technology through localized, values-driven choices.

The results of this study suggest that self-directed reflective practice, when supported by peer dialogue, can enable rural educators to transform adversity into opportunity. Participants demonstrated that pedagogical creativity and digital fluency can emerge in contexts marked by infrastructural scarcity when teachers are empowered to reflect, collaborate, and act. The narratives highlight not only technical competence but also emotional resilience and ethical intentionality as core components of innovation.

This transformation underscores the need to reconceptualize teacher professionalism in ways that acknowledge its emotional, relational, and context-responsive nature. The teachers in this study did not view innovation as the adoption of tools but as the development of more meaningful and just practices in response to evolving needs. Their actions reflect a moral commitment to equity, relevance, and continuity in times of disruption. Innovation, therefore, becomes inseparable from reflection, care, and responsiveness.

The findings also imply that institutional support for innovation in rural areas must move beyond infrastructure and training modules. What matters is creating spaces for teachers to narrate their experiences, test ideas, and receive affirmation from trusted peers. Professional development that centers reflection, context, and dialogue may yield more sustainable and meaningful innovation than externally imposed solutions. The study affirms the importance of rehumanizing teacher learning through participatory, context-embedded methodologies.

Teacher narratives further reveal that innovation is often driven by a desire to overcome emotional and professional fragmentation. Participants sought to maintain connection with students, preserve cultural identity, and restore meaning to their work amidst uncertainty. These desires acted as motivational forces behind their willingness to experiment and transform. Innovation, in this context, was not a product of design thinking models or institutional grants, but of ethical commitment and affective labor.

The implications of this study reach into teacher education, policy, and professional development. Programs must reimagine rural teacher learning as place-based, narrative-driven, and relationally sustained. Policies that support reflective autonomy, peer learning communities, and contextual innovation are more likely to foster transformation than prescriptive digital mandates. Investment in storytelling, mentorship, and inquiry-based practice should be central to rural teacher development.

Institutions need to recognize that teacher growth is not linear and cannot be fully captured through standardized assessments. Narrative approaches allow for the complexity of professional identity and pedagogical judgment to emerge in ways that more traditional measures do not. Teachers must be seen not just as deliverers of curriculum but as co-constructors of educational meaning and community vitality. Empowering them through narrative self-study affirms their role as agents of change in both personal and systemic domains.

The study's findings advocate for broader institutional frameworks that protect time and space for deep reflection. Professional development must be reorganized to prioritize critical inquiry over compliance, storytelling over training, and dialogic mentoring over top-down instruction. Narrative self-study can play a transformative role in these reconfigurations, grounding innovation in lived experience rather than external benchmarks.

This research calls for a shift from viewing rural education through a lens of scarcity to one of possibility. The innovations documented here did not arise despite isolation, but through it—mediated by reflection, community, and courage. When teachers are supported to reflect critically and act collaboratively, isolation becomes a context for growth rather than limitation. The future of digital education in rural Canada lies in recognizing and nurturing these capacities.

CONCLUSION

The most significant finding of this study is that teachers in remote Canadian regions, when engaged in sustained narrative self-study, were able to transform professional isolation into pedagogical innovation. Participants navigated the shift to digital teaching not merely by acquiring technical skills but by reimagining their roles, adapting practices to local realities, and embracing reflective inquiry as a catalyst for growth. Innovation emerged not from institutional policy or technological abundance, but from relational resilience, emotional vulnerability, and the collaborative reframing of pedagogical identity within challenging environments.

This study offers a distinctive methodological contribution by positioning narrative self-study as both a research tool and a professional development model for educators in marginalized and geographically dispersed contexts. The use of reflective journaling, self-dialogue, and peer-facilitated discussion provided a participatory framework through which teachers generated situated knowledge, enhanced metacognitive awareness, and enacted adaptive digital pedagogies. This approach extends the scope of rural education research by integrating emotional and relational dimensions into the study of innovation, and by demonstrating how teacher-led narrative inquiry can serve as a sustainable mechanism for practice-based professional learning.

This study is limited by its small sample size and its focus on specific regional contexts within Canada, which may not be representative of all remote teaching environments. The reliance on self-reported data and the absence of direct classroom observation may also limit the generalizability of findings. Future research should include longitudinal follow-up studies to trace the enduring impacts of narrative reflection on teaching practice, as well as comparative investigations across different provinces, cultural communities, or international remote regions. Expanding the model to include collaborative self-study groups within teacher education programs or school districts may further explore its potential to support scalable, context-responsive innovation in digital pedagogy.

REFERENCES

Aakernes, N., Møllerhagen, T. H., Olstad, H. B., & Schaug, R. (2024). Creating a Free Space for Professional Development through Collaborative Self-Study. *Studying Teacher Education*, *20*(1), 4–20. Scopus. https://doi.org/10.1080/17425964.2023.2212683

Aidoo, B. (2024). A reflective study on adopting inquiry-based science teaching methods. *Disciplinary and Interdisciplinary Science Education Research*, *6*(1). Scopus. https://doi.org/10.1186/s43031-024-00119-3

Aung, S. T., Aung, L. H., Funabiki, N., Yamaguchi, S., Syaifudin, Y. W., & Kao, W.-C. (2024). An Implementation of Web-based Personal Platform for Programming Learning Assistant System with Instance File Update Function. *Engineering Letters*, *32*(2), 226–243. Scopus.

Aung, S. T., Funabiki, N., Aung, L. H., Kinari, S. A., Wai, K. H., & Mentari, M. (2024). An Image-Based User Interface Testing Method for Flutter Programming Learning Assistant System. *Information (Switzerland)*, *15*(8). Scopus. https://doi.org/10.3390/info15080464

Brennan, A., Logan, A., Pennycook, C., Gorman, A., & Scanlon, D. (2024). Collaborative self-study in higher education: Lessons from redesigning school placement during the pandemic. *Journal of Education for Teaching*, *50*(4), 598–612. Scopus. https://doi.org/10.1080/02607476.2024.2323582

Burns, A., Taylor, L. K., Hamilton, E. R., & Leonard, A. E. (2024). COVID Conversations: A Collaborative Self-Study of Four Teacher Educators. *Teacher Educator*, *59*(3), 287–302. Scopus. https://doi.org/10.1080/08878730.2023.2273368

Butler, B. M., & Burgin, S. R. (2024). Co-Teaching from an Interdisciplinary Perspective: A Self-Study of Negotiating an Integrated Curriculum. *Educational Forum*, *88*(2), 170–185. Scopus. https://doi.org/10.1080/00131725.2023.2234426

Caetano, A. P., & Sobral, C. (2024). Autonomy and participative processes in emotional education. *European Public and Social Innovation Review*, *9*. Scopus. https://doi.org/10.31637/epsir-2024-537

Cai, Z., Sun, M., Yan, T., Zhang, H., & Tian, X. (2024). An enhanced teaching–learning-based optimization for the flexible job shop scheduling problem considering worker behaviours. *Soft Computing*, *28*(17–18), 9521–9545. Scopus. https://doi.org/10.1007/s00500-024-09763-3

Finkelstein, C., Jin, L., Liwanag, M. P., Lottero-Perdue, P. S., McQuitty, V., Monacelli, S., Moody, S. M., & Mullen, L. (2024). A COLLABORATIVE FACULTY APPROACH TO A PRACTICE-BASED PEDAGOGY OF TEACHER EDUCATION. Dalam *Underst. A Pedagogy of Teacher Education: Contexts for Teach. And Learning About Your Educational Practice* (hlm. 181–196). Taylor and Francis; Scopus. https://doi.org/10.4324/9781003365129-12

Hiramatsu, I., Mouri, K., Penny, K., Indurkhya, B., & Kaneko, K. (2024). An IT-based self-checking system of spreadsheet exercises for learners with visual impairments. *Disability and Rehabilitation: Assistive Technology*, *19*(6), 2364–2376. Scopus. https://doi.org/10.1080/17483107.2023.2287155

Hunting, T., Kinchin-Frost, H., Lowe, F., McPherson, M., Waker, G., Wingfield, J., & Fancourt, N. (2024). Argument in religious studies at GCSE: a collaborative developmental research project. *Journal of Beliefs and Values*. Scopus. https://doi.org/10.1080/13617672.2024.2372904

Ji, Y., Choi, J., Cheong, Y. W., Choi, W., Byun, T., & Jo, K. (2024). A Junior Faculty's Self-study on the Practice and Reflection of Lectures on Introduction to Physics Education. *New Physics: Sae Mulli*, *74*(6), 589–598. Scopus. https://doi.org/10.3938/NPSM.74.589

Kaufman, S. W. (2024). Becoming a Feminist Educator: A Self-Study Exploring Possibilities of Feminist Pedagogy in Higher Education. *Studying Teacher Education*, *20*(2), 133–149. Scopus. https://doi.org/10.1080/17425964.2023.2269950

Kim, E., & Pratt, S. M. (2024). Co-Teaching Goes Online: The Impact of Virtual Co-Teaching on the Practices of a Co-Teaching Partnership During COVID. *Studying Teacher Education*, *20*(1), 107–127. Scopus. https://doi.org/10.1080/17425964.2023.2250361

Kuznetsova, O. V., Russkikh, S. V., Tarasenko, E. A., Moskvicheva, L. I., Gorbacheva, N. A., Smbatyan, S. M., Saprykin, V. P., & Gavva, R. V. (2024). Assessment of the current level of digitalization in the process of training medical personnel. *Health Care of the Russian*

Federation, *68*(3), 234–240. Scopus. https://doi.org/10.47470/0044-197X-2024-68-3-234-240

Lu, Y., Ming, N., Dai, F., & Wang, M. (2024). Construction of a Signal-class Experimental Platform Based on Python. *Proc. - Int. Conf. Comput. Technol., ICCTech*, 59–64. Scopus. https://doi.org/10.1109/ICCTech61708.2024.00021

Lucena, R., & Ramirez, R. (2024). A machine learning approach to gesture detection in violin performance. Dalam Ludovico L.A. & Mauro D.A. (Ed.), *ACM Int. Conf. Proc. Ser.* (hlm. 144–151). Association for Computing Machinery; Scopus. https://doi.org/10.1145/3678299.3678313

Lyozina, I. V., & Iashin, D. I. (2024). Applying the Kohonen Neural Network to Solve the Problem of Determining Diseases of the Cardiovascular System Based on the Results of Electrocardiography. *Int. Conf. Inf. Technol. Nanotechnol., ITNT*. 2024 10th International Conference on Information Technology and Nanotechnology, ITNT 2024. Scopus. https://doi.org/10.1109/ITNT60778.2024.10582291

Mascio, B., & Fornauf, B. (2024). Can we practice what we teach? Problematizing systemic barriers to equity-oriented teacher preparation. Dalam *Transform. Teach. Prep. Through Identity, Dev., and Eff. Technol.* (hlm. 43–82). IGI Global; Scopus. https://doi.org/10.4018/979-8-3693-1806-5.ch002

Nguyen, N. T. L., & Gondwe, F. (2024). Concerns of novice teacher educators: A narrative self-study. *SN Social Sciences*, *4*(1). Scopus. https://doi.org/10.1007/s43545-023-00803-7

Pašák, M., & Palcut, M. (2024). Comparing University Students' Performance in the Statistical Processing and Visualization of Laboratory Data before, during and after the COVID-19 Pandemic. *Education Sciences*, *14*(3). Scopus. https://doi.org/10.3390/educsci14030241

Regan, G., Bowles, R., & Dillon, M. (2024). An ethics of care approach to promoting social wellbeing in Irish primary physical education. *Education 3-13*. Scopus. https://doi.org/10.1080/03004279.2024.2402573

Ritter, J. K., & Ergas, O. (2024). Being a fish inside and outside the waters of self-study. *Professional Development in Education*, *50*(4), 775–788. Scopus. https://doi.org/10.1080/19415257.2021.1902841

Russell, T. (2024). CONSTRUCTING A PERSONAL PEDAGOGY OF TEACHER EDUCATION. Dalam *Underst. A Pedagogy of Teacher Education: Contexts for Teach. And Learning About Your Educational Practice* (hlm. 11–29). Taylor and Francis; Scopus. https://doi.org/10.4324/9781003365129-2

Schmittwilken, L., Harding-Kuriger, J., & Carl, J. (2024). Aligning extracurricular school activities with physical literacy: Pilot evaluation through self-study of practice. *Frontiers in Sports and Active Living*, *6*. Scopus. https://doi.org/10.3389/fspor.2024.1415689

Sridharan, K., & Sequeira, R. P. (2024). Artificial intelligence and medical education: Application in classroom instruction and student assessment using a pharmacology & therapeutics case study. *BMC Medical Education*, *24*(1). Scopus. https://doi.org/10.1186/s12909-024-05365-7

Takács, R., Takács, S., Kárász, J. T., Oláh, A., & Horváth, Z. (2024). Applying Q-methodology to investigate computer science teachers' preferences about students' skills and knowledge for obtaining a degree. *Humanities and Social Sciences Communications*, *11*(1). Scopus. https://doi.org/10.1057/s41599-024-02794-z

Thao, P. T. T. (2024). Building a Corpus for Teaching and Learning a Second Language by Using Sketch Engine. Dalam *Stud. Comput. Intell.* (Vol. 1159, hlm. 189–217). Springer Science and Business Media Deutschland GmbH; Scopus. https://doi.org/10.1007/978-3-031-63447-5_11

van Laren, L., & Mudaly, R. (2024). Collaboratively Stepping Back as a Method in an Arts-Inspired Self-Study to Move Forward in Professional Learning for Social Change. *International Journal of Qualitative Methods*, *23*. Scopus. https://doi.org/10.1177/16094069241236218

Wong, W., & Ortega, Y. (2024). Addressing Anti-Black Racism in English Language Teaching: Experiences from Duoethnography Research. *TESOL Quarterly*, *58*(4), 1428–1459. Scopus. https://doi.org/10.1002/tesq.3291

Yang, B. (2024). Application of practice-based learning and improvement in standardized training of general practitioners. *BMC Medical Education*, *24*(1). Scopus. https://doi.org/10.1186/s12909-024-05195-7

Yang W.-C., Meade D., & Ho W.K. (Ed.). (2024). 29th Asian Technology Conference in Mathematics, ATCM 2024. Dalam *Proc. Asian Tech. Conf. Math.* Mathematics and Technology, LLC; Scopus. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85217633249&partnerID=40&md5=57478222e1d069953395a0edca1faa60

Zhao, C., Chen, J., Li, L., Gui, S., & Zhou, Q. (2024). A qualitative study of undergraduate nursing students' experience of clinical placement based on Nvivo software—A service learning theory perspective. *Applied Mathematics and Nonlinear Sciences*, *9*(1). Scopus. https://doi.org/10.2478/amns-2024-2942