

Tech Time: My Time in Kindergarten Innovation Plan for Disruptive Technology Integration



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The Problem

What problem are we solving?



- Frequent interruptions during small-group instruction
- Students lack independence at the tech center
- Many students struggle to log in or know what to do next
- These issues reduce instructional quality and flow

The Innovation Proposal

My Solution: A Guided Digital Routine

- A WebQuest-style guide that walks students through tech time
- Includes visuals, voice-over, and QR codes
- Students complete two i-Ready lessons
- Then scan a rotating QR code for a fun learning activity
- Everything is age-appropriate and designed for early readers



Research Foundations

- Neumann (2018): Visual supports help emergent readers stay on task
- Escamilla et al. (2014): Bilingual students thrive with visual routines
- Lim & Wardrip (2024): Purposeful tech integration boosts independence
- Veronica et al. (2023): QR codes increase student engagement and autonomy

3-Year Rollout Plan

Year 1: Research, approval, prototype creation

Year 2: Pilot with one group, expand to full classroom

Year 3: Scale to other classrooms, create Tech Ambassador roles

- Includes teacher training and resource preparation



Video: My Call to Action

Empowering Students with Purposeful Tech



Tech Time: My Time in Kindergarten - Inspiration

- “In this video, I invite my colleagues and community to embrace this innovation and take the leap toward student independence.”

What Do We Need?

- Laminated visual login cards
- Pocket chart for tech routines
- Access to touchscreen devices and internet
- Weekly planning time to update activities



Why This Matters

- Students develop digital independence early
- Teachers can focus on small-group instruction
- Clear routines = less frustration
- Builds problem-solving and digital fluency



Full Innovation Plan Documents

Explore the full depth of my innovation research and planning, please view the complete documents linked below:



Innovation Proposal Letter



[Innovation Proposal Letter](#)



Literature Review



[Literature Review](#)



Implementation Plan



[Implementation Plan](#)

Note: These documents provide extended analysis, research-based rationale, and detailed rollout plans supporting the *Tech Time* innovation.

References

Christensen, C. M., Horn, M. B., & Johnson, C. W. (2011). *Disrupting class: How disruptive innovation will change the way the world learns* (2nd ed.). McGraw-Hill.

Escamilla, K., et al. (2014). *Biliteracy from the start: Literacy Squared in action*. Caslon.

Lim, J., & Wardrip, P. (2024). *Teachers and Teaching: Theory and Practice*.

Neumann, M. M. (2018). *Early Childhood Research Quarterly*, 42, 239–246.

Veronica, N., Yunianti, S., & Sa'ida, N. (2023). The analysis of QR code-based books to develop cognitive aspects of 5–6-year-old children. *Jurnal Obsesi: Jurnal Pendidikan Anak Usia Dini*, 7(4), 4690–4698. <https://doi.org/10.31004/obsesi.v7i4.4578>