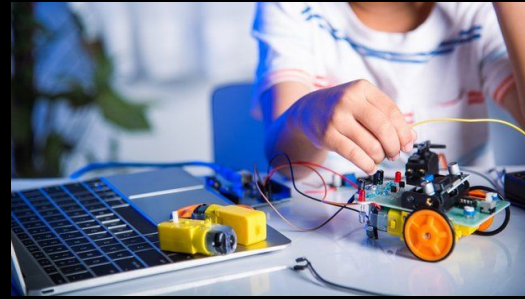


Creating Significant Learning Environments Through a New Culture of Change



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Why Change?



“Education must align with students’ passions and natural ways of learning.”

– Thomas & Brown (2011)

👉 Traditional models = outdated

👉 Our kinders need relevance, imagination, and play

👉 *Tech Time* addresses real classroom problems

The Problem



👉 Frequent interruptions during small-group time

👉 Students can't log in or follow tech routines

👉 Lack of independence limits instructional flow

My Innovation Plan

Tech Time: My Time in Kindergarten

👉 QR-based routines

👉 Visual instructions + voiceovers

👉 Two i-Ready lessons + fun follow-up activity

🔗 [Innovation Proposal Letter](#)

📝 Full write-up available [Creating Significant Learning Environments Through a New Culture of Change](#)



My Innovation Plan

A Day with Tech Time: Step by Step (1)



Tech Time begins: Students find their personalized name + image card on the pocket chart. Each card has a QR code that links to their daily routine.



Logging in: With a laminated visual login card, students learn to type their username into i-Ready independently.



i-Ready lessons: They complete 2 personalized reading or math activities tailored to their level.

My Innovation Plan

A Day with Tech Time: Step by Step (2)




Fun learning activity: After finishing, they scan a second QR code that links to an engaging tool (educational game, interactive task, or theme-based video).




Weekly rotation: QR activities change weekly to keep students excited and engaged.

My Innovation Plan

A Day with Tech Time: Step by Step (3)

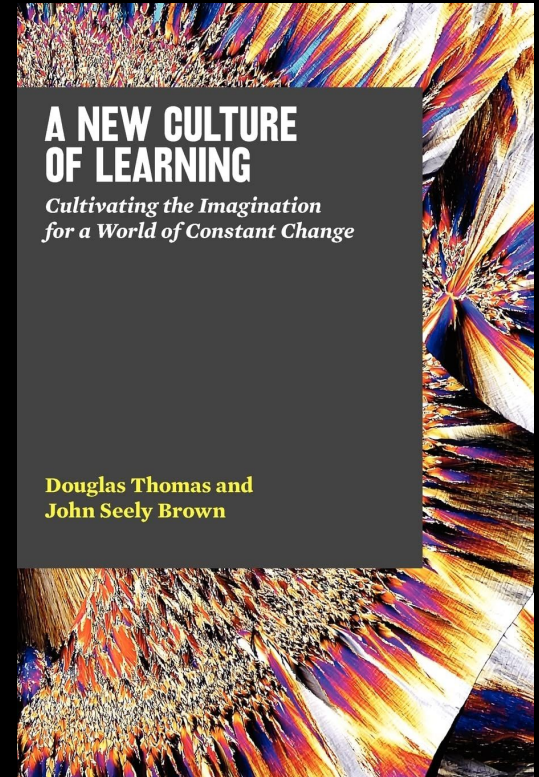
 **Fostering independence:** While students work independently, the teacher can focus on small group instruction with fewer interruptions.

 *This routine is grounded in research on autonomy, engagement, visual supports, and digital fluency for young learners.*

Key Ideas from the Book

A New Culture of Learning (Thomas & Brown, 2011):

- 👉 Learning is a culture, not just content transfer
- 👉 Create **bounded learning environments**
- 👉 Use **play** and **productive inquiry**
- 👉 Questions matter more than Answers
- 👉 Personalize learning through student passions



Empowering Kindergarteners: How It All Works



- 👉 Students follow routines visually and independently
- 👉 Teachers regain focus for small-group instruction
- 👉 Less frustration = more joy and engagement
- 👉 Early digital fluency for all students

Research that Supports My Plan



Escamilla et al. (2014): Bilingual learners thrive on routines



Lim & Wardrip (2024): Tech boosts student independence



Neumann (2018): Visuals help emergent readers



Veronica et al. (2023): QR codes improve autonomy and engagement

Challenges & Solutions

- ◆ Teacher mindset resistance
- 👉 Model success and share data
- ◆ Planning time needed
- 👉 Use Canva, Google tools, QR templates
- ◆ Tech skill gaps in students
- 👉 Scaffold with visuals and practice

Impact on Our School

- 👉 Expands to other kinder classrooms
- 👉 Tech Ambassadors lead by example
- 👉 Builds a culture of early digital independence
- 👉 Teachers collaborate using shared systems



Broad Thinking for the Future

👉 Encourage autonomy, mastery, and purpose (Pink, 2009)

👉 Shift from fast-food learning → personalized, joyful learning (Robinson, 2010)

👉 Invite students to build their own digital “worlds”

Conclusion

This is more than just using technology—it's about empowering our students.

When we give them voice, structure, and trust, they show us just how capable they are.

Let's commit to building learning environments where **curiosity leads, imagination thrives, and every child feels seen and capable.**



“Tread softly, because you tread on their dreams.”
– W.B. Yeats (quoted by Sir Ken Robinson, 2010)

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., Hopewell, S., Butvilofsky, S., Sparrow, W., Soltero-Gonzalez, L., Ruiz-Figueroa, O., & Escamilla, M. (2014). *Biliteracy from the start: Literacy Squared in action*. Caslon.

Lim, J., & Wardrip, P. S. (2024). Purposeful tech integration boosts independence. *Teachers and Teaching: Theory and Practice*.

Neumann, M. M. (2018). Supporting emergent readers through visual routines. *Early Childhood Research Quarterly*, 42, 239–246.

Thomas, D., & Brown, J. S. (2011). *A new culture of learning: Cultivating the imagination for a world of constant change*. CreateSpace.

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>

Thank you for exploring this innovation. Let's build more independent learners together

Let's continue inspiring students to take ownership of their learning — one QR code at a time!

