TEACHING & LEARNING WITH DIGITAL STORYTELLING & DIGITAL PEN
JOINT STUDY OF TEACHING AND LEARNING IN FUTURE SCHOOLS IN CHINA AND FINLAND

Supporting student learning towards 21st century skills through digital storytelling with digital pens

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THE AGENDA

SUBJECT 1: Experimental study
SUBJECT 2: Pedagogical interventions
SUBJECT 3: Suggestions, recommendations
SUBJECT 4: White paper
SUBJECT 5: Peer reviewed articles
DIGITAL STORYTELLING AS 21C PEDAGOGY

Our empirical studies on the use of technologies for teaching and learning and findings (Niemi et al, 2014; Niemi & Multisilta 2015) indicate that digital storytelling…

• Strengthens student engagement and commitment to hard work
• Allows students to enjoy learning
• Promotes student-driven subject-matter knowledge creation
• Allows for communication skills to develop
• Student practice of networking and internet skills
• Through individual and collaborative work, and
• Self reflection and peer evaluation
FUTURE PEDAGOGIES

- Teachers need to introduce interdisciplinary approaches into the classroom
- Teachers need to facilitate learning rather than transmit knowledge
NEW PRACTICES

• Through active student participation & engagement
• By building knowledge together, with peers
• In natural environments for contextualized knowledge (e.g., in science learning)

• In Web-based environments (e.g., for connected and interactive learning)
WHAT TO RESEARCH & LEARN?

• In what ways does digital storytelling for math learning influence the students’ persistence to solve the problem?

• How do students deal with adversities?

• How does the students’ sense of achievement in digital storytelling influence their perception of sustained math learning?
HOW TO INVESTIGATE?

• A study in 6 phases
• Process & product evaluation
• Student self & peer evaluation
• Before, during and after project activities
WHAT IS THE ROLE OF TECHNOLOGY?

• Tool as learning mediator
• Tool for communication
• Tool for evaluation
HOW IS THE ROLE OF THE TEACHER CHANGING?

Expand, Connect, Adapt, Support, Facilitate
21+ THE FUTURE IS NOW

Teaching & Learning
In an increasingly technology-mediated world
THANK YOU FOR YOUR ATTENTION!

THE FUTURE IS NOW