

PLAYFUL LEARNING WITH HYBRID SCHOOL BOOKS

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Books have ubiquitous-like features such as very easy usability. It seems unlikely that printed books will disappear from schools in the near future. Our approach is to combine print and digital media into a hybrid school book in a way that learning could be more playful, and thus to enlarge the role of printed book in school work.

THREE TECHNOLOGIES, FIVE CONCEPTS

Three hybrid media related technologies were used for designing exercise concepts for learning English in elementary school:

- Ø digital pen
- Ø wireless smart paper
- Ø smart phone with camera

The five exercise concepts were:

- Ø collaborative quiz on wireless smart paper
- Ø collaborative cartoon caption competition using a digital pen and real time power point streaming
- Ø 3 smart phone tasks: crossword puzzle, adaptable grammar exercise and a listening task, which could all be fetched to a smart phone via 2D code from the English book

USER TESTS



Test groups: 10 students, 5 teachers, 4 parents



MAIN FINDINGS

- Ø Among teachers and parents the smart phone tasks were chosen as the most potential tasks for learning purposes.
- Ø The kids liked the smart phone tasks as well, but sometimes the novelty and oddity of digital pen and smart paper made them more popular
- Ø The teachers want to have variety of solutions for adjusting their teaching to kids' different learning styles. The concepts were seen as potential for supporting this.
- Ø Hybrid school book was seen as a promising approach among teachers. Teachers' motivation is essential when introducing new technology in schools.

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