

SaTC EDU: Collaborative: Connecting Contexts: Building Foundational Digital Privacy and Security Skills for Elementary School Children, Teachers, and Parents

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Challenge:

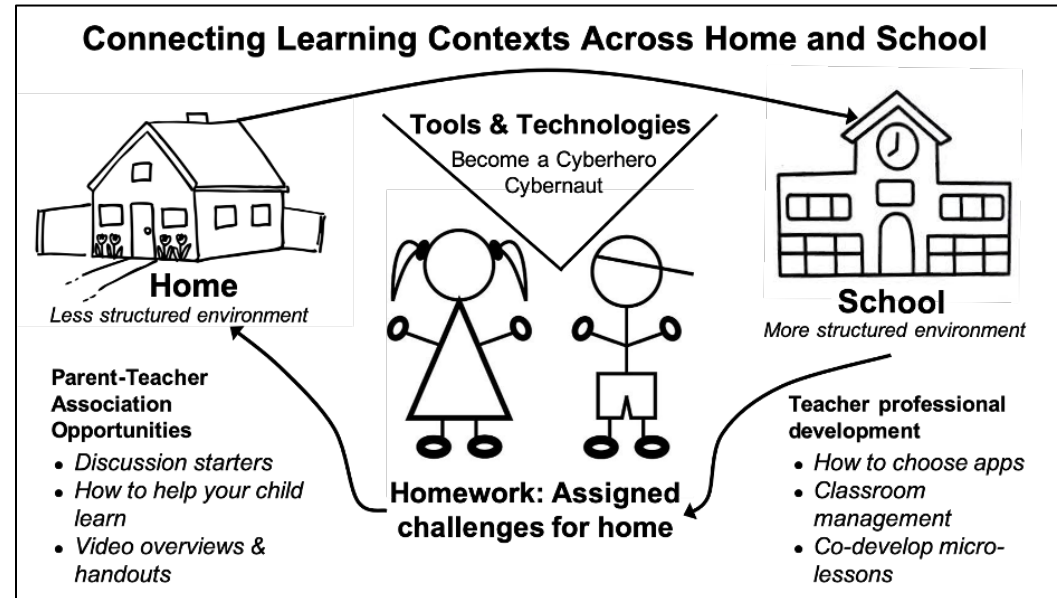
- Privacy and security education typically begins long after children start using social & mobile media, tablets, and the internet.
- Learning tends to happen either at home OR school, but a more holistic approach could connect these contexts to create more life-relevant materials for children.

Solution:

- Work with children and teachers to develop age-appropriate “micro-lessons” that cover privacy, security, and digital citizenship content and evaluate these lessons in two elementary schools (MD and IL).
- Create professional development for teachers on these topics.
- Create additional resources for parents to help them feel more comfortable talking about these topics.

Award #1951688 (2020-2023)

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Scientific Impact:

- Identify how children’s mental models of cybersecurity issues vary across grades and developmental age.
- Leverage connections across school, home, and developmental stages to promote cybersecurity learning among teachers, students, and families.

Broader Impact:

- Facilitate children’s learning about basic technology concepts and help them develop skills to make smarter and safer decisions online.
- Consider the wider ecosystem in which this learning takes place.