

EDU: Collaborative: Branching Interactive Graphic Stories for Cybersecurity Education

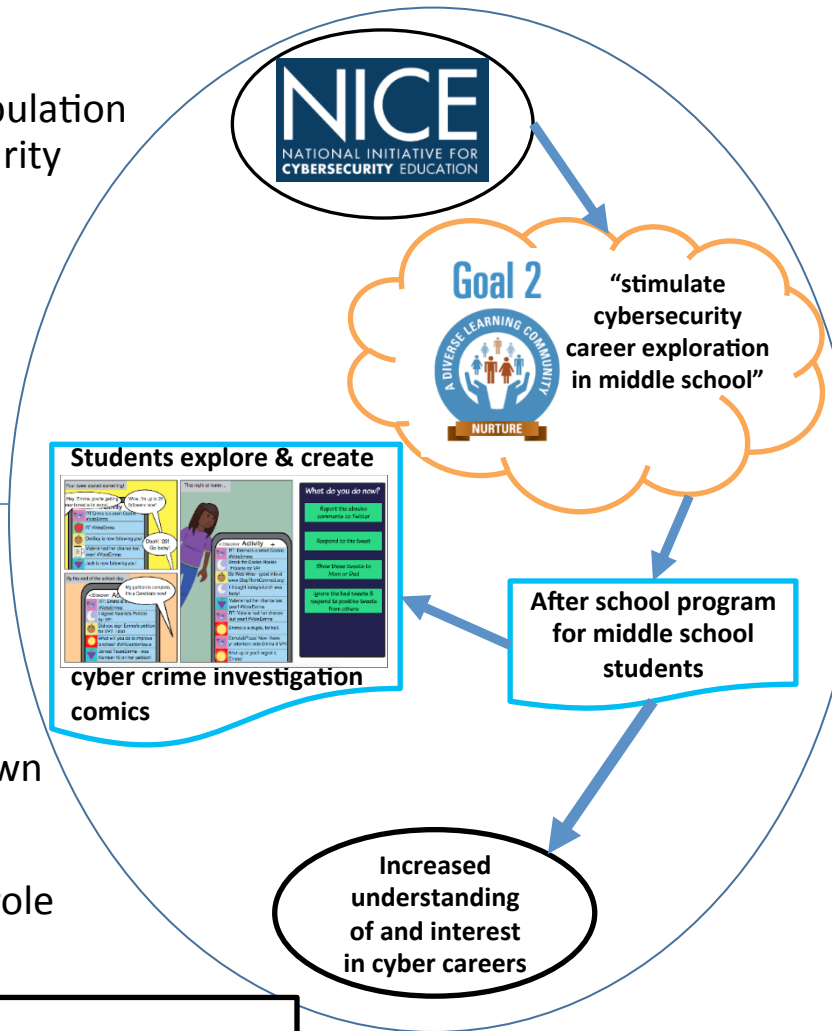


Challenge:

- Get a more diverse population interested in cybersecurity careers
- Reach out to middle-schoolers from under-represented groups, in danger of leaving math & science

Solution:

- Explore cybersecurity careers through comics
- Develop sense of self-efficacy by having students create their own comics
- Meet cybersecurity professionals and find role models



Scientific Impact:

- How to teach people about the complexities of cybersecurity?
- How to use Comic-BEE to develop interest in cyber careers and sense of self-efficacy among under-represented middle schoolers?

Broader Impact:

- Develop culturally relevant pedagogy
- Outreach and study at community center with an under-represented population
- Incorporate lessons learned in classes with in- and pre-service teachers

Award # DGE-1623150

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