

Advancing Cybersecurity and Privacy of Educational Technologies used in K12 Schools by Supporting School Administrators, Technology Support Staff, and Teachers

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<https://k12edtechsecurity.charlotte.edu/> Award ID#:2122416

1. Objectives

- Address the rise of cybersecurity threats in schools and the need for cybersecurity education in K-12 schools
- Design and implement the Cybersecurity Awareness-Ask-Action (AAA) professional development program for school administrators, technology support staff, and teachers.
- Measure the impact and evaluate the establishment of cybersecurity education and professional development for stakeholders in K-12 schools

2. Challenge Contents

- Since the COVID-19 pandemic and even before, there has been a dramatic rise in cybersecurity threats in K-12 schools across the United States
- In turn, there is a greater demand and a need for cybersecurity education and professional development that can be delivered by educationists

3. Scientific Impacts

- Our project has 3 goals related to impact:
 - Identify common cybersecurity threats in K-12 schools
 - Design workshop modules for school administrators, technology support staff, and for teachers
 - Facilitate and evaluate the impact of the Cybersecurity AAA professional development

4. Cybersecurity Awareness – Ask— Action (AAA) Deliverables



Needs Assessment



Development of Course Modules



Delivery and Evaluation of Modules

5. Broader Impacts on Society

- The broad impact is the advancement of cybersecurity education in K-12 school
- Equipping school stakeholders to make their school technology more cybersecure

6. Impact of Education Outreach Activity

- Educates about importance of data security and cybersecurity education in K-12 schools
- Builds a network among policy makers, school administrators, technology support staff, and teachers about cybersecurity education

7. Quantify the Broader Impacts

- Materials and Cybersecurity AAA professional development will be offered to hundreds of school administrators, technology support staff, and teachers in North Carolina
- Eventually to be scaled up regionally and nationally

