

SaTC: EDU: Establishing Digital Citizenship by Implementing Cyber Safety Curriculum with Middle School Students



Goal/Challenge:

- To increase cyber safety knowledge and skills among middle school students, teachers, and technology facilitators, and create cyber safety awareness among parents of middle school students.

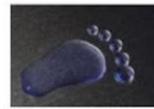
Digital Citizenship for Middle Grades



Cyberbullying



Digital Footprint



Digital Netiquette



Digital Privacy



Digital Identity



Solution:

- Develop 5 elearning modules on cyber safety topics (cyber bullying, digital footprints, digital identity, digital privacy and digital Netiquette) for middle school students and pilot with 200 students
- Design and Deliver an online course on digital citizenship to 20 technology facilitators and 30 middle school teachers.
- Apply the train-the-trainer model by which the technology facilitators will implement digital citizenship lessons in their schools
- Students create videos on cyber safety and disseminate the videos created to their parents and to a larger audience through social media.

Project info (SAT-C Award Number: #1723746 , UNC Charlotte, Florence Martin, Chao Wang, Chuang Wang and Teresa Petty

Scientific Impact:

- Five elearning modules were developed and implemented with 380 middle school students
- A 3-credit hour graduate course on digital citizenship was developed and taught to 46 teachers and technology facilitators in Summer 2018 and 2019
- 8 teachers have developed the workshops in their schools while we await more for this year
- 13 students created videos on digital citizenship topics to participate in the competition

Broader Impact:

- First, it provided a new method to train qualified teachers and technology facilitators for K-12 to bridge the gap in cyber safety education in the schools.
- Second, the project provide interdisciplinary research experiences in cyber safety, technology education, and pedagogical practices to both graduate and undergraduate students.
- Finally, minority and under-represented students benefited from the project.