

1096-97-830

**Sarah E. Anderson\*** (sarah5@g.clemson.edu) and **Gretchen L. Matthews.** *Crafting activities which analyze QR codes.*

Emergent technology is constantly changing the landscape of the modern classroom, where students are exposed to new technology and communication methods at an early age. For example, elementary students are using QR codes to access homework and answer keys. But how much of the mathematics behind these communication methods do students comprehend?

In this talk, we will give examples of how to implement engaging coding theory and cryptography activities to explain QR codes as well as how to introduce related technology. In addition, we will share our experiences using these activities, including what we learned, mistakes we made, and student feedback. (Received September 10, 2013)