

Sp

SPARKing Technology in the CTE Classroom

— — — Jason Bullock, Joy Morgan, & Wendy Warner - NC State University

Resources & Costs

- ★ Prices range from \$19.99/month for team; \$9.99 for individual.
- ★ Internet access, computer/phone.
- ★ Instructor time (~3 hours) to develop rubric and assignment details.

Need for Innovation

- ★ Student engagement and motivation is challenging in a virtual learning environment.
- ★ Various instructional strategies and technology incorporation increase student engagement and achievement (Burns, 2018).
- ★ Exposure to new sources of technology can develop skills used in future instructional approaches (Williams et al., 2014).
- ★ Students assigned CTE Legislation and tasked with developing a creative, digital product using Adobe Spark.
- ★ Rubric created to guide development and grading.
- ★ Format options included: graphics, webpages, videos, & slideshows.
- ★ Adobe Spark provided free to NC State students.

How It Works

Results

- ★ 24 of 28 students submitted digital projects ranging from infographics (17), videos (5), & a Slideshow (1).
- ★ Testimony:
 - “For my CTE Legislation Spark Assignment, I designed a game show to teach about the Morrill Acts. I wrote the script, filmed, and edited the video. My roommates and one of their boyfriends helped me by acting as contestants and the assistant. Through this assignment I was put out of my comfort zone by acting on camera. I also challenged myself by using iMovie and GarageBand, two applications I have never used before. Overall, this assignment taught me a lot about my own boundaries and technology.”



Future Plans/Advice

- ★ Instructors should attend professional development for using new technologies.
- ★ Provide tutorials and guides to students for using new technologies.
- ★ Consider collaborative learning with technology.