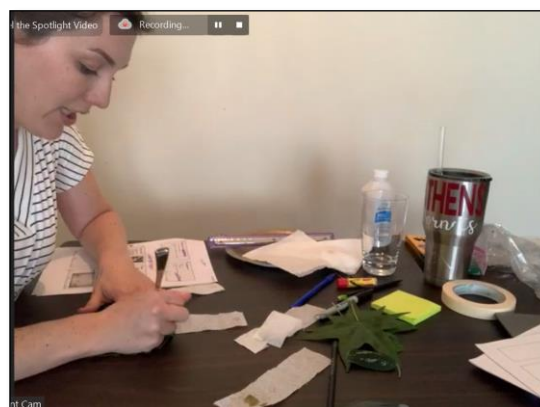
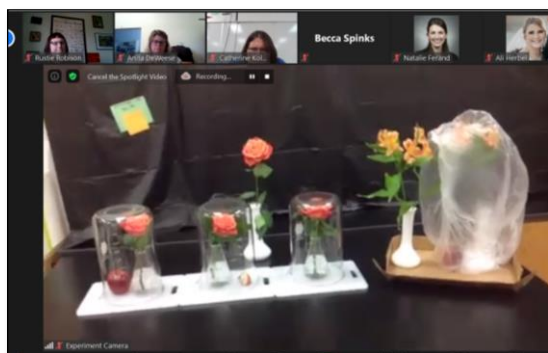


COVID SHOWERS BRING VIRTUAL FLOWERS: GETTING FLORICULTURE CURRICULUM TO BLOOM ONLINE

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DESCRIPTION

- Professional development program focused on inquiry-based instruction, scientific thinking, current research on fresh cut flowers
- Three day, in-person lab-based conference was transformed into an online experience
- “Experiment cams” and group labs were conducted virtually
- Program was delivered entirely via Zoom



HOW IT WORKS

- Canvas Catalog course housed all program materials
- Zoom “script” for the “Zoom expert”
 - Itinerary, prompts, polls, engagement techniques, time stamps, and presenter ques for effective communication
- Experiment cams
 - Two devices used
 - One on the instructor’s face, one on the experiment
- Readily accessible lab materials and supplies

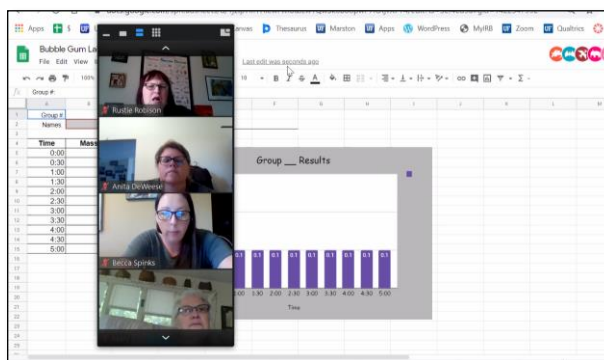
RESOURCES NEEDED

Total Cost: \$5,010

- E-Learning Specialist: \$500
- USB Flash Drives: \$110
- Blue-tooth Environmental Sensors: \$1500
- USB Microscopes: \$600
- Shipping: \$2,200
- Tripods: \$100

Additional Needs:

- Two devices per presenter
- Development of curricular materials & lab investigations, guest presenter “experts”
- Zoom “expert” to manage participant interactions



IMPLICATIONS

- Teachers observed high-quality virtual instruction
- Catalyst for innovative strategies for active engagement
- Inquiry-based, hands-on instruction can be delivered effectively in a virtual environment
- Teachers were motivated to teach inquiry-based instruction online and in face-to-face
- Planning for third cohort of agriscience teachers in progress – to be delivered online again to increase number of participants and maximize budget