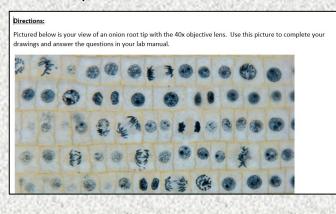


The Suspect

BIOL 103 and 104 General Biology laboratories were charged with the task to create COVID makeup assignments shortly after the start of the Fall 2021 semester amidst the chaos of quarantines, vaccine boosters, and returning to campus.

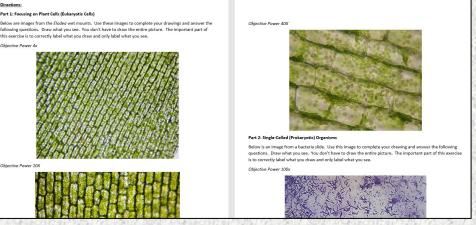


The Document Camera: A COVID Superhero

Jennifer Ripley Stueckle, Ph.D. Department of Biology

The Victim

Already burdened with 48 sections of lab and 12 untrained graduate teaching assistants from non-STEM fields, I worked nights for two weeks to create 28 makeup laboratory assignments.





Our Superhero

The versatility of the document camera effortlessly captured photos and videos of our experimental setups allowing students to visualize the activities and independently collect data for analysis. Microscope slides and organisms were captured with high resolution for clear viewing and interpretation.



Additional Foes and Adventures

- Fifteen WV high schools participate in the BIOL 101-104 ACCESS Early College Program. The makeup assignments were crucial to complete the courses in a timely manner while meeting the course learning objectives. For future semesters, the document camera will provide materials to these schools that may not have the funds to purchase all the laboratory supplies or may have failed experiments.
- Students with mobility or visual impairments benefit from the flexibility of the document camera to view microscopic images. The microscope adaptor allows these students to still practice the skills of getting an image into view and focused but projects the image onto a computer screen.