



Photo by Ashley McCleod-Morrin

Student-Generated Educational Content In the STEM Field

Presented by Kati Lawson



Geomatics

- Surveying
- Remote Sensing
- Digital Mapping
- GIS
- GPS
- Satellite Imaging & Other Technologies of Geospatial Science



Communication and Leadership Development

- Journalism
- Print Design
- Science Communication
- Event Planning
- Web Design
- Videography
- Agricultural Issues



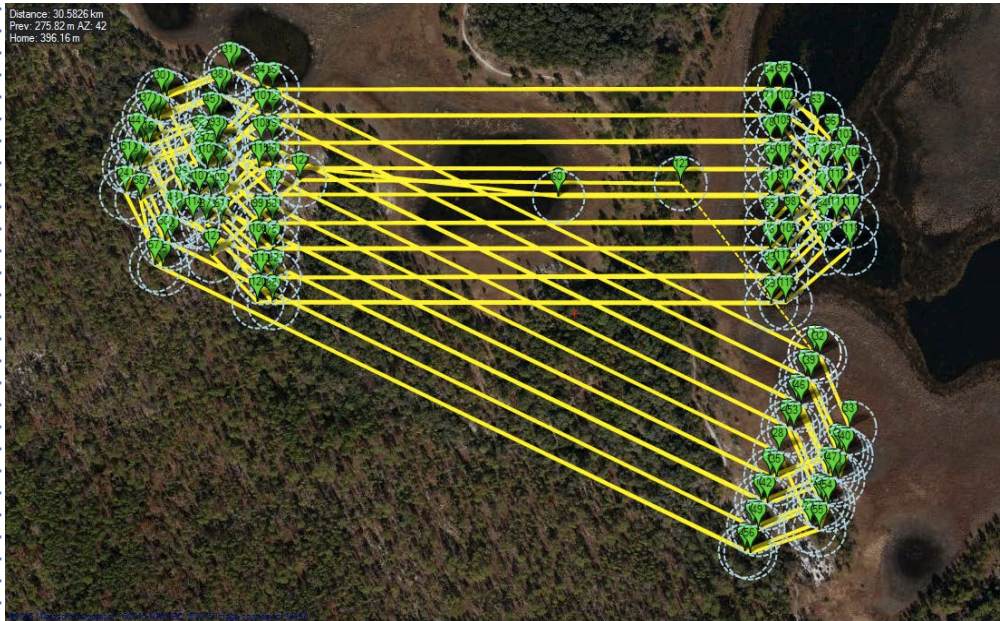
Connection Point- Location

UF|IFAS
UNIVERSITY of FLORIDA
AGRICULTURAL
EDUCATION AND
COMMUNICATION

SFRC School of
FOREST RESOURCES
& CONSERVATION



Educational Content



- **CLD students filmed and catalogued drone processes**
- **Filmed using smartphones and Canon cameras, edited using Premier Pro and iMovie for phones**
- **Posted videos on Youtube for easy access, and so instructors can insert links into online courses with ease**

CLD Assignment Sample

Using ONLY your smartphones, create how-to videos for GEM and CLD students on how to import footage from the Phantom drone to a computer.

- You can only use your phone, so get iMovie app from the App store (compatible with Androids)
- You have 45 minutes to film, edit and upload your clips to Youtube.

This was assigned to two groups, with 3 in each group.

Group 1 Video

Group 2 Video

Assignment Benefits

- **Students were exposed to another discipline and have developed strategies to communicate about ideas with little to no background knowledge.**
- **Learn how to produce content quickly and with limited equipment.**
- **To film and teach the skill, students are exhibiting higher-level mastery of an application.**



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Outcomes

Chastain Skillman is a surveying firm that has employed several GEM students, and has reached out to the CLD students to offer marketing internships.

Future Plans

This partnership (GEM and CLD) started as way to apply for an interdisciplinary grant and has since evolved to be a major component of CLD courses. All instructors involved are looking for new ways to incorporate crossover curriculum and plan to offer a non-credit workshop geared towards helping students obtain their remote pilot certificate.



Questions?