



# DELAWAREVIEW 2021 - 2022

**AmericaView**<sup>SM</sup>  
Empowering Earth Observation Education  
[americaview.org](http://americaview.org)

## DELAWAREVIEW 2021 - 2022 ACTIVITIES

DelawareView Principal Investigator Dr. Tracy DeLiberty and the Delaware Center of Education Director Dr. Mary Schorse taught the state's first dual enrollment course in Geospatial Science and Technology at Newark High School (NHS). NHS is one of the most diverse public high schools in the state; the five students enrolled in this initial geospatial course offering represented the school's socio-economic and ethnic diversity. Three of the students earned University of Delaware credits for their work. The course introduced students to the geospatial technologies of GIS, GPS, and remote sensing using mini-lectures to illustrate core principles, and hands-on activities to solidify concepts. Students completed self-paced lessons on collecting and mapping geographic data, accessing online data layers, creating maps, and conducting spatial analysis to solve problems spatially. Students became proficient in both ArcGIS Online and ArcGIS Pro. NHS provided each student with a dedicated laptop and the DE GeoEducation Committee provided textbooks. Students were exposed to practical applications of these technologies and geospatial career paths through selected online videos, Geography in the News analyses, and interactions with guest lectures.



*Students learning to collect GPS data.*



*Students setting up a survey instrument.*



*Students taking a "selfie" while learning to fly a drone.*



*Taking a break from class and playing EOD 2021 Landsat poster game.*



[Delaware Middle/High School Storymap Competition Award Ceremony.](#)

With coaching and mentoring from Drs. DeLiberty and Schorse, the dual enrollment students submitted a storymap to the ESRI 2022 ArcGIS School Competition. Their storymaps included topics of:



Delaware Secretary of Education Mark Holodick held an award ceremony for the students and families at the State of Delaware Cabinet office.

DelawareView is a member of the AmericaView Consortium, a nationally coordinated network of academic, agency, non-profit, and industry partners and cooperators that share the vision of promoting and supporting the use of remote sensing data and technology within each state. AmericaView is funded by USGS grant agreement G18AP00077.

**AmericaView**<sup>SM</sup>  
Empowering Earth Observation Education  
[americaview.org](http://americaview.org)

AmericaView Website:  
[www.AmericaView.org](http://www.AmericaView.org)  
Christopher McGinty, Executive Director:  
[chris.mcginty@americaview.org](mailto:chris.mcginty@americaview.org)  
Lisa Wirth, Program Director:  
[lisa.wirth@americaview.org](mailto:lisa.wirth@americaview.org)  
John McGee, Board Chair:  
[jmcg@vt.edu](mailto:jmcg@vt.edu)

## BENEFITS TO DELAWAREVIEW

DelawareView dedicates a significant amount of time to Earth observation education and advancing the use of digital maps in K-12 classrooms. Strategic partnerships with Delaware's education and GeoEducation communities have been instrumental in getting these initiatives off the ground.

- **Forming a Partnership with DE Department of Education (DDOE):** DDOE and the Delaware GeoEducation Committee continued their partnership to host the annual MS/HS Storymap competition which has grown each year in awareness and participation.
- **Connecting with K-12 Administrators and School Councilors:** The NHS dual enrollment course provided an opening for course instructors to educate building leadership and school guidance counselors about the breadth of geospatial career options and the growing workplace demand for spatial analysis skillsets.
- **Educating K-12 Teachers:** In partnership with the Social Studies Coalition of DE, and the DE Teachers of Science, K-12 teachers are being trained on the use of digital mapping and satellite imagery in the classroom. Training is provided to select teacher cohorts through virtual professional learning workshops.
- **Educating K-12 Students:** Direct outreach to students, through formal courses as well as through extra-curricular clubs and special events, classroom visits, and summer camps raised students' awareness of the role played by geospatial technologies in monitoring our planet.



*Showing imagery use in environmentally-oriented careers at the Delaware YES! Summit.*



*Geography Awareness Week classroom visits*

## DELAWAREVIEW CONSORTIUM MEMBERSHIP

**Tracy DeLiberty**  
Delaware View PI



**Mary Schorse**  
Delaware Center for  
Geographic Education Director



### Environmental Science Undergraduate Students

**Faith Brown**



**Alexis Cervantes**



DelawareView Principal Investigator:

Dr. Tracy DeLiberty  
University of Delaware  
302-831-4084  
tracyd@udel.edu

