

TITLE: 4-H and Pictometry Online – Youth Development from a Bird’s Eye View

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ABSTRACT:

This Abstract is intended for “The Use of Land Imaging in the Education Setting” special session.

The New York 4-H Geospatial Sciences Program delivers an initiative in youth development - positive youth-adult relationships, leadership experiences and skills for life - using the tools of remote sensing and mapping. Pictometry, Inc. is partnering with 4-H to provide access to high resolution metric aerial photographs and innovative software for exploration of local environments. This is one component of a larger effort to raise awareness among youth about remote sensing applications in everyday life and to offer exposure to educational and career paths in geospatial fields. Using the Pictometry Online educational license program, 4-H educators and youth map communities and neighborhoods answering local questions about landscape resources and community infrastructure. In this pilot effort, observations are made on student engagement, place-based learning, spatial thinking skill enhancement, inquiry science methods, formal education science standards, and geospatial data and technology integration (GPS, GIS and remote sensing).

KEY WORDS: Geospatial, education, 4-H, Pictometry, remote sensing, aerial photography, K-12