Title: Florida 4-H Science Inquiry Training Modules

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Abstract:

This AEC Masters Project encompasses the development of an online 4-H science inquiry training module for Florida 4-H adult volunteers who wish to enhance their awareness, knowledge, and skills in Florida 4-H science, the science inquiry method, and integration of science inquiry into existing 4-H project areas. The module consists of three parts designed to be accessed as a whole or by section depending upon learner preference. The following includes the title, duration, brief description and YouTube link to each video.

1. Introduction to 4-H Science (05:15): This introductory session highlights the goals and objectives of Florida 4-H STEM with an emphasis on science, relevant project opportunities, and statewide and national resources in science. https://www.youtube.com/watch?v=2zoV0iZ6B6Y&list=UU3Oenyg1LfPazbG6yu5n4mA&index=3
2. Taking Off with 4-H Science (14:27): Learners explore essential elements off 4-H, experiential learning, core competencies of 4-H science and the science inquiry process. https://www.youtube.com/watch?v=y5GZZd1lCLY&list=UU3Oenyg1LfPazbG6yu5n4mA&index=2
3. Making the Connection with 4-H Science (10:42): In this section participants apply 4-H science inquiry into a popular 4-H project area, entomology. https://www.youtube.com/watch?v=ikvZd3klE-c&index=1&list=UU3Oenyg1LfPazbG6yu5n4mA

It is imperative that our country's young people develop to their full potential. Through engaging, creative and high quality science learning opportunities, 4-H volunteers have the ability to not only help children grow as individuals but also to help create tomorrow's scientific innovators. A young person who successfully engages in science learning today may one day use their expertise in science, technology, engineering and math to help solve some of the world's most pressing issues (NSF, 2010). Offering an asynchronous training opportunity that can be accessed at a volunteer's leisure, from across broad geographical range, will allow for a greater number of volunteers to engage in training than would be possible through face-to-face training.

Keywords: Science inquiry, 4-H STEM (science, technology, engineering and math), Distance learning, Volunteers

References:

National Science Foundation. (2010). *Preparing the next generation of STEM innovator: Identifying and developing our Nation's human capital.* Retrieved from http://www.nsf.gov/nsb/publications/2010/nsb1033_exec_summary.pdf