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innovative 4-H programs in science.

The Oregon 4-H Science Leadership Team also received a \$6,500 grant from the National 4-H Council via the Noyce Foundation to develop the DVD and associated science education program materials. Only four grants were awarded across all the Land Grant Universities participating. This grant was matched 3:1 with local in-kind support, all the development of the full science inquiry education program. The science inquiry program developed by the Oregon team became the only program highlighted in the final report by the National 4-H Council to the Noyce Foundation.

#### Accomplishments:

1. Ten "how to" science video vignettes were developed, each five-eight minute. Each video shows a real example of doing a science inquiry activity with kids with information on the process, materials, learning styles, and words of wisdom. The intent is to provide the volunteer with examples of how to do the activities with "advice from the experts" to maximize youth learning and involvement. Each video segment shares an example of implementing science inquiry within an 4-H project or content area. The videos are posted on the OSU YouTube website and are available state-wide and nationally. They have been requested for use in five states and by National 4-H.

<http://www.youtube.com/user/OregonStateUniv/search?query=science+inquiry+video>

The National 4-H mission mandate of science is not intended to have science as a separate project, but integrated throughout all 4-H programming. The Oregon 4-H Leadership Team has implemented Science Inquiry as the optimal system to engage youth and volunteers in doing science. Science Inquiry is both a national and education benchmark and can be used as a framework for engaging 4-H youth involvement while increasing critical thinking skills. Volunteers and faculty who implement the Science Inquiry process in their 4-H programming quickly learn they do not know all the answers. They soon recognize they can learn with the kids, changing the learning environment from teacher centered to student centered.

2. As part of the development of the DVD, the Oregon 4-H Science Leadership Team updated and revised the state of Oregon 4-H STEM program Plan of Action.
3. Faculty in all of Oregon's 36 counties received a resource package of materials and information to advance Oregon 4-H STEM programming and methodologies for science inquiry as an integrated program approach. The package included: Science Inquiry overview and description, a Science Rich Activity Checklist, curricular materials, the Oregon 4-H STEM Plan of Action, and the DVD with the ten science inquiry videos.
4. A hands-on, statewide professional development workshop was conducted, reaching faculty from every county in Oregon in the science inquiry model.
5. A five year state-wide evaluation program for 4-H Science was developed and