PROGRESS REPORT: Destination STEM

Objectives
Work with ISU Faculty and Staff for needs assessment for supporting K-12 outreach and based on findings develop:

- an intranet/extranet system that connects and manages user interactions with the K12 community (campus visits, remote programming, internal/external PD, and programming with partners).
- a PD/evaluation program with School of Ed, support for faculty and staff for K12 program development/delivery, and management of the system including a coordinator and college liaisons to support linkages in colleges to K12.
- a mobile outreach program that is staffed by ISU Extension and Outreach program specialists to deliver programs to remote sites.

Funding Awarded $369,274.00

Funding Expended to Date $36,062.53

Progress to Date
Year 1:

1. K12 Outreach Working Group was engaged to develop the project and identify potential early adopters that can be engaged in development. The Working group also is working with ISU Faculty and staff in cooperation with the North Central STEM Hub manager as a PD development team (to include K12OWG PD committee, STEM Hub manager, EO Youth staff). The PD team has been included in the development of a rubric for STEM PD that was developed under the leadership of the NC STEM Hub Manager and has been completed and will be used to guide PD interactions with ISU faculty and staff as well as outside clients including 4-H county staff, public/private school staff, homeschool organizations, and informal education centers including science centers/museums. STEM Hub Program Asst. is working with SP@ISU to develop database format and input emerging data.

2. A database subcommittee has identified the structure of a database and user interface and will develop needs assessment for surveying Faculty and staff who work with K12 outreach to begin to identify PD needs for campus partners and start to develop processes to ensure developed PD and educational products are aligned with best practices for youth learning and development and are aligned with risk management principles.

3. The mobile component of the project has been reframed by a subcommittee. BOEC, College of Design, College of Engineering, and 4-H have identified a model that will utilize existing ISU Extension and Outreach Program Specialists to be trained and deliver ISU STEM outreach on a regional basis.

4. A support staff person is assisting in the program development and serving as the connection to interested users or partners. Campus visits and outreach requests are being shifted to this position.
Spring/Summer of 2014: A pilot to the remote outreach sites will begin in Eastern Iowa lead by Janet Martin.

**Next Steps**

- Establish an evaluation program that will assess the PD process, database user experience (internal and external), and develop ISU common measures to track ISU impact.
- Conduct needs assessment with ISU faculty and staff that will utilize the Destination STEM database in order to build a system that will add value to the system and increase user satisfaction to ensure sustainability.
- Engage programmer to build database and web architecture and partner with colleges and SP@ISU to populate the database. When ready pilot and evaluate user experience and revise followed by release to ISU users. Upon completion of internal efforts pilot with Extension staff and partnering educators to evaluate user experience and revise.
- Work with Admissions for tracking interactions with K-12 users to develop solutions for measuring K-12 impact on youth.
- Spring/Summer 2014: Establish 3-4 additional remote sites and the program specialists/leaders to deliver/develop STEM programs.
- Summer 2014: Propose a training workshop for the field specialists of the best STEM activities from various ISU sources and outreach programs as determined by the Eastern Iowa pilot.
- Develop resources and delivery strategies for remote site: Activity kits and/or sources of equipment, supplies and support of selected activities for delivery to remote sites and the program/field specialists.