**PROGRESS REPORT:**

**Pre-collegiate Youth Outreach and Urban STEM**

**Objective**
To support partnerships and collaborations within ISU and with stakeholders to enable faculty and staff to provide a quality chain of educational experiences for youth; minimize risks and liability to ISU; grow youth programming within colleges and departments, increase exposure to ISU; raise career aspirations of youth through the programs delivered; develop policies for ISU faculty, staff, and students to vet new volunteers; and work directly with children while complying with child protection standards.

**Funding Awarded**  $516,595

**Funds Expended to Date**  No funds have been expended to date.

**Outcomes/Impact to Date**
The campus partners have met with county partners to identify curricular needs; a working process for collaboration among school, county, community, and campus; and Black Hawk County resources and challenges. The curriculum committee has developed a pilot curriculum to be used for testing the tablet-based tools (app) to deliver content to end users at the county level. The curriculum team also is working to develop a curriculum template that aligns with emerging STEM standards and is adaptable to a range of delivery settings for use in school and out-of-school settings. The app development team is in the development process and is building the tablet-based tool for accomplishing this curriculum delivery. The curriculum team has been meeting with this development team to coordinate the connections between the curriculum and the tool.

**Next Steps**

- **App Development Committee**: The pilot curricular materials will be incorporated into a delivery format that can be used to reach public audiences with ISU developed content. The curriculum committee has developed and prepared draft content; the app development committee is developing the technology solution to deliver the content using tablet-style devices. This group is working now to complete the structure and add components that are interactive and tablet-friendly that will enhance the learning experience. The team has a target of a product that can be piloted for the beginning of the 2013 school year.

- **Curriculum Committee**: The internal ISU faculty and staff team has met with the Black Hawk County partners twice to understand needs of the end user in an urban setting. The committee will host the county partners on campus to continue negotiating curriculum solutions versus county partner needs. The county audience has grown to include North Iowa School District as well. The curriculum team has identified content areas to use as development foci that align with the Black Hawk County needs and are working to develop a curriculum template that aligns with emerging STEM standards and is adaptable to a range of delivery settings for use in school and out-of-school settings. The county team also will be given a tour at the next team meeting that showcases campus facilities that will be available as supplementary experiences for off-campus learners.
• **Black Hawk County Committee:** This committee has been interacting with ISU faculty and staff for curriculum development and needs assessment. This process will continue as the curriculum team develops products for the county to pilot. The county team will provide feedback and formative evaluation data to guide the curriculum development process. The county team has developed an implementation plan for the county that includes budgeting and authority/communications lines, and is in the process of implementing the plan, including working with ISU Extension and Outreach accounting to transfer and manage funds to be used in the county for the initiative.

• **Professional Development Committee:** The professional development committee has worked with ISU Risk Management, 4-H, faculty, and staff to develop risk management trainings. As curriculum is developed to the pilot stage, the professional development committee will work with ISU faculty and staff as well as county partners to provide professional development related to both sound youth development and STEM learning principles as related to the curriculum.

• **Your Adventure Starts Here Committee:** The committee will begin work in year two to develop processes to welcome county partners to ISU campus. The plans for remodeling the Extension and 4-H Youth Building will need to be reviewed for this committee to move forward.