SC STEM Advisory Board Minutes May 10, 2013

1. Welcome and Roll Call
   1. Members Present: Dhawan, Hensen, Kilibarda, Kleinow, McCaulley, Schneider, Sharpe
   2. Members Absent: Burch, Bontrager, Byron, Chai, Duda, Ernst, Henshaw, LaFaver
   3. Guests: Sarah Derry, Jan McMahill
2. Approval of March 8 and April 26 minutes – let the record show a change to April 26 minutes to indicate “Old Business” – use of residual funds from any service providers.
3. Progress Reports
   1. Hensen:
      1. DMACC STEM Website is up and running. DMACC has prepared a STEM Brochure (will share at next meeting). The purpose of this information is to encourage people entering STEM Fields and career pathways at DMACC and for those pursuing transfer opportunities.
      2. DMACC instructor has been released from some teaching duties to support STEM outreach.
      3. The community colleges were awarded a grant to give minority students research internship opportunities. Board members should contact Kari if they know of any opportunities for 1st or 2nd year college students to gain research experience.
   2. Kilibarda:
      1. Provided a STEM Endorsement status update. The endorsement went to the Board of Educational Examineers for an initial reading on May 3 and will be sent out to all colleges of teacher preparation for review and reaction. The earliest it could be ready for implementation is January of 2014.
   3. Sharpe:
      1. ISU extension used a scale-up grant to provide Engineering is Elementary sessions at the Drake library in Grinnell. Lee observed the sound activity.
      2. Met with local school principals and the Grinnell superintendent: schools in the area have been nominated for an award from Monsanto for STEM education. They are thinking of a creating a K-16 STEM hub in their area. The schools are excited to be bringing PLTW-GTT to the middle schools. The schools are considering a STEM summer program/camp with industrial partnerships but need guidance on how to get that going.
      3. Lee did demonstration of chemistry at a local school
   4. McCaulley:
      1. DMACC Career academy, especially PTLW, is taking off.
      2. ISU intern working with city engineering companies and has been a great asset to the city.
      3. Perry airport will be hosting a “Fly Iowa” event and airshow. This will include a workshop for students who are ages eight and up on all the science involved in flight and the flight industry.
   5. Dhawan
      1. Hears requests for STEAM rather than STEM
      2. Overall, kids involved in STEM activities are well represented in all school programs.
      3. Gov’s STEM entrepreneurship round table activity will be held at StartUp City on June 1 and 2, 2013. At this “Hack-A-Thon” technology problems are presented and solved in 36 hours.
   6. Schneider
      1. Prometheus awards largest attendance ever
      2. IT adventures at ISU (HyperStream and IT adventures doing cyber defense and multimedia venue)
   7. Kleinow
      1. Many leaders attended the Next Generation Science Standards Awareness Day at Pioneer
   8. McMahill
      1. Drake’s Maryann Huey received a Math-Science Partnership Grant for her work in teacher professional development in the area of statistics (look for more in the upcoming newsletter)
      2. iExplore STEM - Drake will be held October 29, 2013 in conjunction with the Bucksbaum Lecture. See information about the lecture at <http://www.drake.edu/bucksbaum/>
4. Update on 2012-23 scale-ups and budget
   1. Invoices are in from all projects – it looks like the Hub will be able to provide each 2012-13 CASE awardee with an additional $1000-$2000.
   2. Students from St. Patrick’s in Perry came to Drake for a Project HOPE field trip to explore options for health careers
   3. iExplore – Pella: The student worker created a “how-to” manual for this model of iExplore. The manual is available to any institution of higher education that would like to use it.
   4. CASE: All board members are invited to stop in at a CASE institute June 10-14 and 17-21 at the FFA building at DMACC Ankeny campus.
   5. PEERS experiences
   * Winterset
   * Hoover and Pioneer
   * North Polk
5. STEM Film Festival
   1. The Board reviewed the films from the SC Region and discussed ways to increase participation for next year’s film festival
6. Update on 2013-14 Projects
   1. We will send a list of all SC STEM Awardees to Advisory Board members and will post on the website. These will be posted by Tuesday May 14. Reminder, CASE decisions will be made in September so no CASE awardees will be listed now.
7. Discussion of Advisory Board Terms
   1. Kilibarda will send out the forms to re-apply or for new applicants.
8. Business and Higher Education Connections
   1. Discussion of the Elevate Program…The Association and Industry is promoting this program state-wide.
   2. Derry provided a review of the information from the Google form for businesses.
   3. Derry Suggested Board Action Steps for summer:
   4. Contact 2-3 local businesses to fill out Business-to-School Survey (will receive via e-mail the week of May 13)
   5. Get on the schedule to speak to a Civic Organization
   6. We will make a video, powerpoint available to help with those presentations
   7. If you have connections, help promote ELEVATE program

Next Meetings:

1. June 5 – teleconference