<table>
<thead>
<tr>
<th>Time</th>
<th>Agenda Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>Noon -12:30</td>
<td>Roll call and Introduction of guests – Heidi Lowthorp, Chairperson __<em>P</em> present</td>
</tr>
<tr>
<td>pm</td>
<td>___ Misty Grey                __<em>P</em> Luann Langel                     __<em>P</em> Kathy Somers</td>
</tr>
<tr>
<td></td>
<td>___ Lisa Hilder              ___ Gilbert Thomas                    __<em>P</em> Tom Lesan</td>
</tr>
<tr>
<td></td>
<td>___ Dr. Jane Hall Chaillie    __<em>T</em> Larry Johnson                     __<em>P</em> Josh Shatava</td>
</tr>
<tr>
<td></td>
<td>P___ Dr. Jason Plourde        __<em>T</em> Janell Leinen                   _<strong>P</strong> Dr. Alan Ladd</td>
</tr>
<tr>
<td></td>
<td>P___ James Holwegner          <em><strong>P</strong></em>_ open</td>
</tr>
<tr>
<td></td>
<td>P = in person   T = via technology</td>
</tr>
</tbody>
</table>

**IDENTIFY/WELCOME GUESTS:** Nadine Jessen DMACC, Lindy Ibeling, STEM Communications, Cindy Dietz, STEM Acting Director

- STEM Bites to share (stories, artifacts, and such)
- Ethics Document reminder if not signed in July
- Board membership change: resignation of Kim Carter
- Notes from Cindy – Welcome Acting Director Cindy Dietz

<table>
<thead>
<tr>
<th>12:45 – 1:00</th>
<th>Old Business to Bring Forward – no action items</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Thanks to the STEM Volunteers – State Fair, F.R.IA. Summits, outreach activities, networking.</td>
</tr>
<tr>
<td></td>
<td>Navigate the STEM social media and web pages – <a href="http://www.iowastem.gov">www.iowastem.gov</a> and swcciowa.edu/stem (see manager report for quarterly totals)</td>
</tr>
<tr>
<td></td>
<td>Budget Updates posted through September 1, 2018 posted bimonthly on the SW STEM Website per protocol</td>
</tr>
<tr>
<td></td>
<td>Externship/Internship Report – recruiting for employer partners has started</td>
</tr>
<tr>
<td></td>
<td>Action Packets and the Communications Work Group – Lindy and Alan</td>
</tr>
<tr>
<td></td>
<td>STEM Festival Activity – requests on the books for the 2018-19 year</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1:00 – 1:30</th>
<th>New Business – no action items – updates from Manager Deb Frazee</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>BEST Grant update – new awardees announced on October 25th. 13 new programs of 21 applicants. SW Iowa awardees include CAM CSD and Woodbine CSD.</td>
</tr>
<tr>
<td></td>
<td>KEMIN I.O.W.A. Teacher Award – reviews soon to begin. Dec 6th STEM Team meets planning of January event in each region.</td>
</tr>
<tr>
<td></td>
<td>Scale-Up Provider Selection continues. Results will be known in early January.</td>
</tr>
<tr>
<td></td>
<td>Computer Science is Elementary – new program under development. See handout.</td>
</tr>
</tbody>
</table>
- **Check-out Program continues to be widely used.** Adding new materials as requested.
- **Manager Report Document** - activity for 3rd qtr. (including Social Media data)

| 1:30 – 1:50 pm | **Upcoming Dates:**
|                | November 14/15 IASB Convention DSM STEM participating
|                | November 20 – STEM Council Meeting Ankeny – Board Chairs and Communications Committee invited
|                | December/January BEST Progress Reports due from Year 2 (3 awards) and Year 1 (2 awards) programs
|                | January KEMIN I.O.W.A. Award in each region – details tbd
|                | January 21 – Scale-Up Application Opens
|                | January 28 – SW Regional Advisory Board Meets
|                | February 13 – STEM Day at the Capitol
|                | March 4 – Scale-Up Application Closes
|                | March 8 – 17 Reviewers needed from Regional Board
|                | March 25 - Telephonic meeting to Approve Reviewer recommendations
|                | April 9 – Scale-Up Awards announced statewide

|                      | **Question and Answer Session;** Information sheets in Folder; Closing Remarks
|                      | • Next Meeting January 28, 2019 at the Hub in Red Oak TBD

---

**SW STEM Regional Pages:**
[http://www.swcciowa.edu/about/southwest-iowa-stem-region](http://www.swcciowa.edu/about/southwest-iowa-stem-region)

**SW STEM Hub Facebook page:** [https://www.facebook.com/swstem.swcciowa](https://www.facebook.com/swstem.swcciowa)

**SW STEM Twitter:** SW_Iowa_STEM

**State STEM Website:** [www.iowaSTEM.gov](http://www.iowaSTEM.gov)
The regularly scheduled meeting of the Southwest STEM Regional Advisory Board was held at the SWCC Red Oak Center on Monday October 28, 2018. The meeting was called to order by Chairperson Heidi Lowthorp at noon. There were nine members present, two connected by computer and 3 absent. Guests connected by technology included Acting Director of the STEM Program Cindy Dietz, Communications Director Lindy Ibeling, and DMACC Instructor Nadine Jessen of the Carroll Center.

There were no changes to the proposed agenda.

In STEM Bites, the following information was shared:

Josh Shatava reported that the low unemployment rate is definitely impacting business operations at his firm. They are in negotiation with 2 school districts to add welding programs to the HS curriculum He also shared that businesses are now in communication all over the US (and world) regarding employee pools so they respond on short notice when there is a chance to recruit new employees due to a business closing or downsizing.

Luann Langel reported about the opportunity to attend a workshop with IWD staff in Carroll and do the Real Colors program. She also attended 2 Future Ready Summits and was very surprised in the varying formats between them. IKM-Manning students were able to present at the Denison Summit. The new MS BEST has received their equipment and most of the furnishings and has started the SPARK program as part of the STEM Exploratory program, and rotates students every 6 weeks.

Jason Plourde reported for the GHAEA regarding their involvement in the Summits at Atlantic and Creston. The PREP program was his topic. He noted that Director Townsend applauded the Creston event for the high number of students attending. The Authentic Learning Network (ALN) is a GHAEA program that closely partners with the BEST models and so many of the staff and students were connected to that service. He also reported on the need for digital learning. He has been to visit at the Hamburg building to see the developments in their remodel and addition, as well as the 21st Century Learning clubs. (Hamburg was a Redesigned Learning environment awardee from STEM in 2015 along with the Corning Elementary Building). The PREP topic is a data dashboard that connects F.R. IA workplace issues to the k-12 experiences in the career and college readiness (post-secondary outcomes area.

Alan Ladd had attended F.R. IA Summits and has been working with the STEM Communications group. The updated Action Packets containing materials for the Board from the Communication committee were distributed (for those telephonically connected- Deb Frazee will get your packets to you.)

Kathy Somers representing the Associated General Contractors reported about the upcoming IA National Guard Career Fair sponsored in partnership with AGC to assist military personnel recently returning from deployment with placement services. The event will be at Camp Dodge on Thursday Nov 8th from 1 – 3 pm with connections to the regions of the state. She also serves on the Atlantic HS BEST Steering Committee and reported that their Instructor resigned over the summer so Supt Steve Barber is working to find an appropriate replacement. Committee members are helping with the details.

Tom Lesan reported that SWCC continues to work with area employers in specialized classes, some using college campus services and some in the employer facilities. The topic of how the election might impact the F.R. IA Initiative and STEM had been raised at the Creston Summit so he inquired if that was discussed at other locations where members attended.
Jim Holwegner representing the Air and Army National Guard reported that the STEM events continue at Camp Dodge on a rotating basis. Harlan HS was the first to complete the STEM day, and after its successful outcome other schools are now set in a rotation to participate. He also reported about the Air Force Association Teacher of the Year Award presentation to Panorama Educator Robyn Ploeger. He will soon be starting the nomination process for the 2019 candidate, so be thinking of individual who are appropriate for the award.

Misty Gray reported that she attended 2 F. R. IA Summits – Atlantic and Creston. She is on the planning committee for the Early Childhood STEM Festival to be held in Shelby County in March 2019. The libraries in her region are excited to be receiving the making STEM Connections kits.

Heidi Lowthorp reported that she has been visiting with programs and staff in Fremont County about creating an early childhood Festival as well as there has not been any scheduled in Fremont county in recent years. The location would be in Sidney and would be for 4th grade and under age group.

Janell Leinen reported that the virtual reality Lineman-360 goggles are now available for the REC to take to career and job fairs. She hopes to include in STEM work as well. (This was a group of 7 RECS which collectively created this program.) AHSTW School District was recently awarded an I Excel in Math for HS students and a science cart.

Larry Johnson reported that his wife is helping with the before/after school programs in Decatur County and are using a STEM emphasis so he hears many comments about the engagement of the students in the activities provided. Larry has started a Computer Science program at the HS level and currently has 86 students enrolled. He is also working with the TSA – Tech Student Association.

STEM Manager Deb Frazee reported that she had received a resignation from Community College Representative Kim Carter. That has been forwarded to the Governor’s office so that the replacement process could begin. A candidate has been determined and the Governor’s office will coordinate the appointment process.

Guest Cindy Dietz provided some remarks for the Board. She explained how she first started with the STEM group in the creation of the STEM Road Map in 2011 and is now filling in for Director Jeff Weld who is on leave to write STEM policy at the White House. She referenced the importance of working in the “STEM Pipeline” as a connector to the F. R. IA goals. She is frequently asked if Director Weld is coming back and she reported yes he will be return at the end of the year – specific date not yet determined.

Remarks from Communications Manager Lindy Ibeling were also received regarding the updating of STEM publications and the new campaign which was displayed at the Iowa State Fair “STEM in your World”. There will be more details to come in future months. Lindy is also assisting with the BEST Award process revision, and the STEM Scale-Up materials for the soon to be announced providers.

Manager Deb Frazee keeps a running list throughout the year of all STEM Board member Volunteer service, so thanks was given to those who assisted at the Iowa State Fair, the F. R. IA Summits, outreach and networking such as the award ceremony for Robyn Ploeger at Panorama HS and the Steering Committee for BEST program, an STEM Festival planning. There was agreement that STEM is a 12 month effort if we are going to move the needle in a meaningful way.
The bi-monthly budget report is posted on the Regional Website. The region is still on track to expend all of the funds – both the Hub operations account (manager salary and expenses) and the Scale-Up account (PD and awards to the educators, STEM Festivals and the check-out program materials).

It was reported that 13 new BEST awards were announced on October 25th. From the SW Region the awardees named were Woodbine CSD and CAM High School. Woodbine is a making-based activity including some redesign in their building, and CAM is a digital learning program at the HS level.

The I.O.W.A. Kemin Teacher Award nomination process continues through November 12th at which time the reviewers will begin their work. Scale-Up provider Selection process is also in full swing. Results will be announced in early January and the educator application process opens on January 21, and closes on March 4.

The Computer Science is Elementary program will roll out an application in early 2019. This program will be based on the Loess Hill Computer School in Sioux City, IA. Private STEM donations will fund the project.

The SW STEM Region Check-out program continues to be used widely. A few new materials were added over the summer. When final invoices are all paid, any additional funds will be used to bolster the program. Some materials that would be appropriate for STEM Festival usage are the targeted purchases.

Manager Deb Frazee presented her quarterly report showing visits, activities and the Social Media tabulations. The Pinterest account was not accessible for about 6 weeks but that has been fixed and new Boards created.

A calendar of activities know through the awarding of Scale-Up was provided for the Board members. The suggested date of a telephonic meeting to approve the Scale-Up awards was set for March 25 at 8:30 am. The call should be no longer than 15 minutes, but a quorum is necessary.

Being no further business, a motion for adjournment was made by Kathy Somers, Second by Luann Langel. Vote approved unanimously.

The next scheduled meeting of the SW Regional STEM Advisory Board will be Monday January 28th at the Hub with a noon start.

Respectfully Submitted--

Deb Frazee
Deb Frazee, Note taker