ACTIVE WORKING GROUPS

STEM Support of Computer Science

STEM Volunteer Service

STEM and Family-Consumer Science

Statewide STEM Conference Planning

STEM Support of Arts and Culture

STEM Engagement of School Counselors

STEM Support of Ag. Science

STEM Website Re-design

STEM CAPS Selection and Guidance

STEM Scale-Up Program Selection

STEM Seal of Approval/Endorsement/Recognition

STEM Active Learning Community (informal/nonformal/out-of-school)

(Broadband – already set)

WORKING GROUP   Computer Science

LEAD: TBD

MEMBERS (so far)**:**

Mark Gruwell mgruwell@iowalakes.edu	Leann Jacobson leann@technologyiowa.org
Pat Barnes Barnespatricko@johndeere.com	Ann Watts watts@iowastem.gov
Daniel Terrian Daniel.Terrian@Indianhills.edu	Jeremy Varner Jeremy.Varner@iowa.gov
Diana Gonzalez gonzalez@iastate.edu	Tim Kahl kahlt1@central.edu
Craig Martinsoncraig10fishing@gmail.com	Adriana Donofrio adriana.donofrio@rockwellcollins.com
Phillip Caffrey pbcaffr@iastate.edu	Sheila Castenada Sheila.Castaneda@clarke.edu
Marcia Elliott marcia.elliott@dmschools.org	Ben Schafer schafer@cs.uni.edu
Pradeep Kotamraju Pradeep.Kotamraju@iowa.gov	John Speer jspeer@prairiepride.org

CHARGE:

1) Recommend Council strategies for engaging youth in computer programming and coding;
2) Bring forth recommendations for sustaining interest beyond Hour of Code (*help us with Hour of Code*)

DELIVERABLES: Set of recommendations for the Council to engage more Iowa youth in computer science, including programming/coding/app development.

TIMELINE: Report progress to the STEM Council on December 9, 2014, March 30, 2015, June 23, 2015. Final product due July 1, 2015.

MODE: Virtual meetings – teleconferences, videoconferences --and the use of "cloud"-based document sharing is suggested for the most part.

RESOURCES NEEDED: [The administrative team for the STEM Council may in some cases be able to provide teleconference and web resources and limited secretarial assistance.]

GREATNESS
STEMS
FROM IOWANS

WORKING GROUP   STEM Volunteer Service

LEAD: Jeff Beneke, Northeast Regional STEM Network Manager, jeff.beneke@uni.edu

MEMBERS (so far)**:**
Mary Sheka (Mary.Sheka@iowa.gov), Director of the Iowa Mentoring Partnership
Chad Driscoll (Chad.Driscoll@iowa.gov), Program Officer, Education & Youth Development
Krista Ferguson (Ferguson.Krista@principal.com), Million Women Mentors Iowa Executive Council
Lori Smith, (Smith.Lori@principal.com), Principal Financial Group, on Governor's Council on National Service

CHARGE: Identify opportunities to support and expand STEM in Iowa through volunteering and national service.
Focus areas may include:
- STEM Mentoring
- STEM Volunteer Promotion/Recruitment
- STEM National Service programming (ie: AmeriCorps, etc.)
- STEM Employer Volunteer Engagement
- Existent opportunities: Volunteer Iowa; Million Women Mentors (MWM); Volunteer Center; Mentoring Program from the Iowa Mentoring Partnership; ISU Extension 4H; Girl Scouts; etc.

DELIVERABLES: Set of recommendations for the Council to engage more Iowa STEM advocates in volunteering.
In particular with *MWM*, the working group may focus on:
(a) Ways to assist *MWM* with its mentor/mentee matching efforts (Perhaps a role for regional STEM managers).
(b) Ways for *MWM*-Iowa to identify and secure sources of mentors (men and women) interested in mentoring young women ages 16-24 to help *MWM*-Iowa reach its goal of at least 5,000 mentors throughout the state by 2018
(c) Ways to identify STEM related resources and opportunities within Iowa (e.g. seminars, educational functions, events, etc. that can be provided to mentors/mentees)
(d) Design tips for a resource page for mentors on topics they should cover with mentees specific to the STEM field in Iowa.

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RESOURCES NEEDED: [The administrative team for the STEM Council may in some cases be able to provide teleconference and web resources and limited secretarial assistance.]

WORKING GROUP   STEM and Family-Consumer Science

LEAD: TBD

MEMBERS (so far)**:**

Sandy Miller, FCS teacher retired, tsmiller3@aol.com
Teresa Nennig, FCS teacher retired, tnennig@yahoo.com
Lora Lehmkuhl, FCS, Linn-Mar HS, Llehmkuhl@linnmar.k12.ia.us
Lisa Stange, FCS program coordinator, ISU, lgstange@iastate.edu

CHARGE: Identify opportunities for the STEM Council to partner, support and integrate with Family Consumer Science educators and the FCS curriculum.

DELIVERABLES: Set of recommendations for the Council to partner, support, and integrate with Family Consumer Science educators and the FCS curriculum.

TIMELINE: Report progress to the STEM Council on December 9, 2014, March 30, 2015, June 23, 2015. Final product due July 1, 2015.

MODE: Virtual meetings – teleconferences, videoconferences --and the use of "cloud"-based document sharing is suggested for the most part.

RESOURCES NEEDED: [The administrative team for the STEM Council may in some cases be able to provide teleconference and web resources and limited secretarial assistance.]

WORKING GROUP: Statewide STEM Conference Planning

LEAD: TBD – likely the Council's communications specialist

MEMBERS (so far)**:**

Nyra Bottley, nbottley@mchsi.com

CHARGE: Help to plan, recruit for, execute, and evaluate the annual Statewide STEM Conference.

DELIVERABLES: A top-notch, inclusive, visionary, inspiring Statewide STEM Conference.

TIMELINE: Conference date: March 30, 2015.

RESOURCES NEEDED: [STEM Council has a modest budget and private sector investments to support this event.]

WORKING GROUP: STEM Support of Arts and Culture

LEAD: TBD

MEMBERS (so far)**:**

Steph Wilson, Director of Curriculum, WDM Schools, wilsonsm@wdmcs.org
Phil Peters, Professional Development/Curriculum Facilitator- performing arts, WDM Schools, PETERSP@wdmcs.org
Brad Lampe, Iowa Bandmasters, blampe@clarke.k12.ia.us
Jo Eckert, Assistant Executive Director, West Des Moines Business Incubator, Jo.Eckert@wdm.iowa.gov
Paul Gibbins, Iowa STEAM Innovation Zone, Ankeny Schools, paulgibbins67@gmail.com
Clyde Evans, W. Des Moines Community and Economic Development, Clyde.Evans@wdm.iowa.gov
Leon Kuehner, Iowa Alliance for Art Education, llkuehner@fastermac.net
Emma Peterson, Tikly founder and CEO, Emma@tikly.co
Gary Gute, UNI Creative Life Research Center, gary.gute@uni.edu
Steve Triplett, STEM Program, ACT, Steven.Triplett@act.org
Sarah Derry, SC STEM Regional Manager, sarah.derry@drake.edu

CHARGE: Identify ways and means for STEM Council to support and interface with Arts and Culture across Iowa.

DELIVERABLES: Set of recommendations for the Council to partner, support, and integrate with art and culture assets and professionals (including references to "STEAM" where appropriate).

TIMELINE: Report progress to the STEM Council on December 9, 2014, March 30, 2015, June 23, 2015. Final product due July 1, 2015.

MODE: Virtual meetings – teleconferences, videoconferences --and the use of "cloud"-based document sharing is suggested for the most part.

RESOURCES NEEDED: [The administrative team for the STEM Council may in some cases be able to provide teleconference and web resources and limited secretarial assistance.]

WORKING GROUP: STEM Engagement of School Counselors

LEAD: TBD

MEMBERS (so far)**:**

Lori Wyatt, laurie.wyatt@southeastpolk.org
Amanda DeWulf amandadewulf@gmail.com
Bill Ruud, bill.ruud@uni.edu
Steve Triplett, Steven.Triplett@act.org
Rob Denson, rjdenson@dmacc.edu
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Barb Tupper, Barb.Tupper@kirkwood.edu
Teresa O'Meara, omeara@n-tama.k12.ia.us
Amy DeGroot Hammer, amyjdegroot@aol.com
Mike Danilson, danilsonm@gilbert.k12.ia.us
Mary Madison, marymadd12@gmail.com

CHARGE: Identify ways and means for STEM Council to support and interface with school counselors across Iowa.

DELIVERABLES: Set of recommendations for the Council to partner, support, and interface with school counselors for the benefit of STEM education.

TIMELINE: Report progress to the STEM Council on December 9, 2014, March 30, 2015, June 23, 2015. Final product due July 1, 2015.

MODE: Virtual meetings – teleconferences, videoconferences --and the use of "cloud"-based document sharing is suggested for the most part.

RESOURCES NEEDED: [The administrative team for the STEM Council may in some cases be able to provide teleconference and web resources and limited secretarial assistance.]

WORKING GROUP: STEM Support of Agriculture Science

LEAD: TBD

MEMBERS (so far)**:**

Matt Eddy	Matthew.Eddy@Southeastpolk.org
Melanie Bloom	mbloom@sioux-central.k12.ia.us
Eric Trager	etrager@audubon.k12.ia.us
Denny Presnal	dpresnall@ifbf.org
Michelle Gowdy	michelle.gowdy@pioneer.com
Robin Habeger	robin.habeger@pioneer.com
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Jeremy Varner	Jeremy.Varner@iowa.gov
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Greg Dufoe	gdufoe@adel.k12.ia.us
Michael Retallick	msr@iastate.edu
Susan Oleson	susie.olesen@isfis.net
Jerry Deegan	jdeegan@dowlingcatholic.org
Joe Hrdlicka	joe@iowabio.org

CHARGE: Identify ways and means for STEM Council to support Agricultural Science, including how ag. science might satisfy graduation requirement as core science credited.

DELIVERABLES: Set of recommendations for the Council to support Agricultural Science, including how ag. science might satisfy graduation requirement as core science credited.

TIMELINE: Report progress to the STEM Council on December 9, 2014, March 30, 2015, June 23, 2015. Final product due July 1, 2015.

MODE: Virtual meetings – teleconferences, videoconferences --and the use of "cloud"-based document sharing is suggested for the most part.

RESOURCES NEEDED: [The administrative team for the STEM Council may in some cases be able to provide teleconference and web resources and limited secretarial assistance.]

WORKING GROUP: STEM Website Re-design

LEAD: TBD – likely the communications specialist for the Governors STEM Council

MEMBERS (so far)**:**

Jeff Beneke, NE Regional Network STEM Manager, Jeff.Beneke@uni.edu
Molly Faber, NW Regional Network STEM Manager, mefaber@ilcc.cc.ia.us

CHARGE: Advise, review for, and recommend to the website re-design company the features and functions needed for the new www.IowaSTEM.gov

DELIVERABLES: Input on new website – time-sensitive responses to invitation for review and comment will be called for between now and Spring 2015

TIMELINE: Website will be ready for launch in Spring 2015.

MODE: Virtual meetings – teleconferences, videoconferences --and the use of "cloud"-based document sharing is suggested for the most part.

RESOURCES NEEDED: [The Council has dedicated funding to new website. Part of the charge to this committee will be to ensure the funds are judiciously expended.]

WORKING GROUP: STEM CAPS Selection and Guidance

LEAD: Kristine Bullock, SE Regional STEM Manager

MEMBERS (so far)**:**

Kim Sheppard
Jenny Becker
Joel Haack
Lea Davidson
Dawn Bowlus
Pat Barnes
Doreen Hayek
Dave Wilkerson
Michelle Gowdy
Sandra Dop
Myron Linn
Mary Lou Erlacher

CHARGE: [Design RFP – done.] Select applicants for recommendation to the executive committee for funding.

DELIVERABLES: A set of recommended applicants, based on established criteria, by December 1. Stay on to guide selected schools if possible.

TIMELINE: From Oct. 15 to Dec. 1 the committee will review, rate, and come to consensus on applications to be recommended to the executive committee for awards. From December to June 30, 2015, awardees will benefit from the committee's guidance.

MODE: Virtual meetings – teleconferences, videoconferences --and the use of "cloud"-based document sharing is suggested for the most part.

RESOURCES NEEDED: [The administrative team for the STEM Council may in some cases be able to provide teleconference and web resources and limited secretarial assistance.]

WORKING GROUP: STEM Scale-Up Program Selection

LEAD: Sarah Derry, SE Regional STEM Manager

MEMBERS (so far)**:**

CHARGE: Undergo on-line training to select from a pool of proposals those most suitable to scaling up in Iowa based on established criteria.

DELIVERABLES: A set of up to five programs recommended to the executive committee.

TIMELINE: 2015-2016 Service Provider Selection with Change The Equation STEMworks database.

Evaluator Commitment: 9-12 hours total.
        Evaluator Training Webinars conducted by WestEd – 2 hours
                •   2, one hour webinars
        Proposal Review – roughly 60 minutes per proposal
                •   5-8 proposals per reviewer, depending on total number of proposals received.
                •   To be completed in 1 week in January (around January 20)
        Reviewer Calibration Call – 2 hours
                •   All reviewers discuss differences in scoring on their common proposals
                •   Select reviewer comments are combined and offered as feedback to proposers.

Proposers
        Apply for recognition as a high-quality STEM program on Change the Equation's STEMworks website.
                •   *Proposals will be evaluated by trained Iowa reviewers*
                •   *Programs may qualify for recognition on the STEMWorks database, as an Iowa STEM Scale-Up program, both, or neither.*
                •   *Tentative timeline:*
                      o   *RFP open from December 2014-January 2015*
                      o   *Selection announced February 2015*
                      o   *Selected Iowa programs begin service July 1, 2015 through June 30, 2016*

MODE: Virtual meetings – teleconferences, videoconferences --and the use of "cloud"-based document sharing is suggested for the most part.

RESOURCES NEEDED: [The administrative team for the STEM Council may in some cases be able to provide teleconference and web resources and limited secretarial assistance.]

WORKING GROUP: STEM Seal of Approval/Endorsement/Recognition

(Community Activation?)

LEAD: Jordan Lampe

MEMBERS (so far)**:**

Kacia Cain
Debi Durham
Mark Putnam
Carrie Rankin
Gary Scholten
Teresa Wahlert

CHARGE: [Draft guidelines exist.] Complete the establishment of a protocol for the recognition/endorsement/seal of approval for non-STEM Council programs, assets, initiatives to be identified as aligned with and supporting of STEM Council objectives.

DELIVERABLES: A protocol for the recognition/endorsement/seal of approval of non-STEM Council entities. THEN function as a screening group for applicants (tough to gauge – perhaps one per week at height).

TIMELINE: Report progress to the STEM Council at quarterly meetings until product. Then, review periodic applications, sending scores to E.D.

MODE: Virtual meetings – teleconferences, videoconferences --and the use of "cloud"-based document sharing is suggested for the most part.

RESOURCES NEEDED: [The administrative team for the STEM Council may in some cases be able to provide teleconference and web resources and limited secretarial assistance.]

WORKING GROUP: STEM Active Learning Community (informal/nonformal/out-of-school)

LEAD: Deb Dunkhase

MEMBERS (so far)**:**

Deb Frazee
Michelle Rich
Catherine Swoboda
Craig Johnson
Alissa Jourdan
Indira Blazevic Karic
Sarah Derry
Beth Hochstedler
Dr. Rod Henshaw, rod.henshaw@drake.edu
Teresa Wahlert

CHARGE: Working group is well underway. Identify and make recommendations for ways in which the STEM Council can support out-of-school STEM education.

DELIVERABLES: A set of recommendations for ways in which the STEM Council can support out-of-school STEM education.

TIMELINE: Report progress to the STEM Council on December 9, 2014, March 30, 2015, June 23, 2015. Final product due July 1, 2015.

MODE: Virtual meetings – teleconferences, videoconferences --and the use of "cloud"-based document sharing is suggested for the most part.

RESOURCES NEEDED: [The administrative team for the STEM Council may in some cases be able to provide teleconference and web resources and limited secretarial assistance.]