

Iowa STEM School+Business Innovation Conference

Sheraton West Des Moines Hotel

1800 50th Street, West Des Moines, IA

8:00 a.m. to 4:00 p.m.



8:00 to 9:00 a.m.	Registration – Continental Breakfast and Networking
9:00 to 9:15 a.m.	<p>Welcome</p> <p>The Honorable Kim Reynolds Lieutenant Governor of the State of Iowa <i>Co-Chair, Governor's STEM Advisory Council</i></p> <p>Dr. Jeff Weld Executive Director <i>Governor's STEM Advisory Council</i></p>
9:15 to 9:20 a.m.	Transition to Breakout Session I
Session I – 9:20 to 10:20 a.m.	
Room A	<p>Breaking Down the Walls of School Districts to Collaborate</p> <p><u>Moderator:</u> Dr. Dan Cox, Superintendent, Charles City CSD</p> <p><u>Panelists:</u> Matt Finn, Educator, Osage CSD Donna Forsyth, Educator, Charles City CSD Jay Jurrens, Superintendent, New Hampton CSD Mike Kuennen, Educator, New Hampton CSD Barb Schwamman, Superintendent, Osage CSD Keith Turner, Superintendent, RRMR CSD</p> <p><u>Description:</u> Teachers and superintendents from four North Iowa school districts will share how they are moving beyond orange, red, green and blue to create innovative learning experiences for students through enhanced business partnerships.</p>

<p>Room B</p>	<p>Partnership Impact on Developing 21st Century Skills for College and Career Readiness</p> <p><u>Facilitators:</u> Dawn Bowlus and Leslie Flynn, STEM Innovator-University of Iowa; Maureen Griffin, Hoover High School; and Chad Janzen, Rock Valley CSD</p> <p><u>Description:</u> Learn the competencies STEM industries and universities identify as essential for the next generation to thrive in post-secondary school and careers of the future. Explore business-driven, school-based activities to incorporate into your practice.</p>
<p>Room C</p>	<p>STEM+Arts+Business</p> <p><u>Facilitator:</u> Steve Triplett, ACT, Inc. and Leon Kuehner, Director, Iowa Alliance for Arts Education</p>
<p>Room D</p>	<p>Cross-Sector Collaboration Toward Awareness</p> <p><u>Facilitators:</u> Dr. Wendy Mihm-Herold, Vice President of Business and Community Solutions, Northeast Iowa Community College</p> <p><u>Description:</u> Northeast Iowa Community College enables cross-sector collaborations that create powerful STEM education with input and guidance from sector boards. In partnership with K-12 and businesses, the college has been able to create an awareness campaign that has engaged more than 1,240 individuals in Project Lead The Way, career academies, general retaining and career pathway certificates.</p>
<p>10:20 to 10:30 a.m.</p>	<p>Transition to Breakout Session II</p>
<p>Session II – 10:30 to 11:30 a.m.</p>	
<p>Room A</p>	<p>Assessment of Work-Based Learning and School+Business Partnerships</p> <p><u>Facilitators:</u> Dr. Erin Heiden, Center for Social and Behavioral Research, University of Northern Iowa, and Dr. Dan Cox, Charles City CSD</p> <p><u>Description:</u> Discover what others are doing to assess work-based learning and school+business partnerships, and how they evaluate the impacts and outcomes for students, schools and businesses. Join the discussion to help define and prioritize key metrics to inform a best-practice model for assessing work-based learning in Iowa.</p>
<p>Room B</p>	<p>Developing a School+Business Partnership from the Ground-Up</p> <p><u>Facilitator:</u> Maureen Griffin, Hoover High School and Shana Johnson, Quester</p> <p><u>Description:</u> How the Hoover HS BEST model got started and developed, and sharing of a toolkit that any business or school could use to get started on their own partnership.</p>
<p>Room C</p>	<p>Business Incentives and Motives for Partnering with Schools</p> <p><u>Facilitators:</u> Troy Miller, Iowa BIG</p>

Room D	<p>Policies and Rules to Consider when Designing School+Business Partnerships</p> <p><u>Facilitators:</u> Ryan Wise, Director, Iowa Department of Education, Duane T. (D.T.) Magee, Director, Iowa Board of Educational Examiners, and Jeremy Varner, Administrator, Community Colleges Division, Iowa Department of Education</p> <p><u>Description:</u> Discussion of the many implications of emergent school+business partnerships on policies and rules regarding licensure and certification, safety, curriculum, crediting, dual credit and other topics identified by session participants. Participants will be asked to share perspectives and where necessary, adaptation and modification suggestions.</p>
11:30 to 11:40 a.m.	Transition to Lunch
Lunch and Keynote — 11:40 a.m. to 12:30 p.m.	
11:40 to 12:30 p.m. Ballroom	<p>STEM BEST Video Showcase Introduced by Angel Mendez, Communications Manager, Iowa Governor's STEM Advisory Council</p> <p>The School+Business Imperative Gary Scholten, Executive Vice President and CIO, Principal Financial Group</p>
12:30 to 12:40 p.m.	Transition to Speed Showcase
Speed Showcase — 12:40 to 1:40 p.m.	
Ballroom	<p>Speed Showcase</p> <p><u>Description:</u> Exemplary school+business models presented in 15-minute digests for up to four mini-sessions enjoyed by attendees. Presenters will package their pitch for ready replication in other Iowa communities, including:</p> <ul style="list-style-type: none"> • DMACC's Teaching For The Workforce Workshop (Kim Didier) • Iowa STEM Teacher Externships (Meghan Reynolds and Jason Lang) • Waukee APEX (Michelle Hill) • Roosevelt HS-Confluence Brewery Partnership (Kate Galligan) • Tama Elementary's STEM Program (Lisa Chizek) • Iowa Intermediary Network (Laurie Worden) • Rocket Manufacturing (Chad Janzen) • Iowa BIG (Troy Miller) • Ray Center's Employability: Excellence and Ethics for School, Work and Life (Stephanie Oppel) • STEM Innovator (Leslie Flynn and Dawn Bowlus)
1:40 to 1:50 p.m.	Transition to Session III

Session III — 1:50 to 2:50 p.m.

Room A	<p>Benefits of School+Business Partnerships</p> <p><u>Facilitator:</u> Chad Janzen, Rock Valley CSD and Ashley Flatebo, Lincoln Intermediate</p>
Room B	<p>How to Professionally Develop Teachers to Maximize School+Business Partnerships</p> <p><u>Facilitator:</u> Dr. Jeff Weld, Executive Director, Iowa Governor’s STEM Advisory Council</p> <p><u>Panelists:</u> Waukee APEX: Michelle Hill Iowa BIG: Troy Miller STEM Innovator: Leslie Flynn, University of Iowa Iowa STEM Teacher Externships: Meghan Reynolds, STEM Council NGSS-EQUIP: Kris Kilibarda, Iowa Department of Education Teaching for the Workforce: Kim Didier, DMACC</p>
Room C	<p>Physical Space for Maximizing Learning</p> <p><u>Facilitator:</u> Kevin Crall, Superintendent, Albia CSD and Laura Wood, Science Consultant, Great Prairie Area Education Agency</p>
Room D	<p>Teacher Preparation Programs</p> <p><u>Facilitator:</u> Dr. John Bedward, Buena Vista University</p> <p><u>Description:</u> This discussion will focus on the changing pedagogical landscape of teacher preparation programs. Currently, teachers are measured across five nationally-recognized indicators: mastery of content, instructional approaches, effective use of student assessment, teaching as reflective practice and educational leadership. How are these indicators affected by the emergence of connected economies? What educational innovations are needed to support students as stewards, citizens, entrepreneurs and leaders in their communities? Topics will include new thinking in curriculum design; school, business and community collaborations; teacher assessment and professional networks to name a few.</p>
2:50 to 3:00 p.m.	Transition to Ballroom

Transition to Panel Discussion & Closing – 3:00 to 4:00 p.m.

3:00—3:50 p.m.	<p>Expanding Iowa’s BEST Community</p> <p><u>Facilitator:</u> Dr. Jeff Weld, Executive Director, Iowa Governor’s STEM Advisory Council</p> <p><u>Panelists:</u> Dr. John Bedward, Buena Vista University Kristine Bullock, SE Regional STEM Manager, Governor’s STEM Advisory Council Dan Cox, Charles City CSD Amber Pargmann, John Deere Ottumwa Works</p> <p><u>Description:</u> This discussion will help those interested in applying to be a 2016-17 STEM BEST model on how to write a great proposal. Focus topics will include the reviewing process, what makes a strong proposal, common pitfalls to avoid, assembling a winning a team and a short Q&A session.</p>
-----------------------	--

<p>3:50 to 4:00 p.m.</p>	<p>Closing Remarks</p> <table data-bbox="472 195 1382 300"><tr><td data-bbox="472 195 959 300"><p>The Honorable Kim Reynolds Lieutenant Governor of the State of Iowa <i>Co-Chair, Governor's STEM Advisory Council</i></p></td><td data-bbox="1003 195 1382 300"><p>Dr. Jeff Weld Executive Director <i>Governor's STEM Advisory Council</i></p></td></tr></table>	<p>The Honorable Kim Reynolds Lieutenant Governor of the State of Iowa <i>Co-Chair, Governor's STEM Advisory Council</i></p>	<p>Dr. Jeff Weld Executive Director <i>Governor's STEM Advisory Council</i></p>
<p>The Honorable Kim Reynolds Lieutenant Governor of the State of Iowa <i>Co-Chair, Governor's STEM Advisory Council</i></p>	<p>Dr. Jeff Weld Executive Director <i>Governor's STEM Advisory Council</i></p>		