

Science, Technology, Engineering and Math (STEM) Hot Team

Iowa Coalition for Innovation & Growth
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Core Team Members

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IDED

Alliant Energy

Pella Corp.

University of Iowa

University of Iowa

Iowa State University

Univ of Northern Iowa

Univ of Northern Iowa

Cornell College

Kirkwood Community College

Iowa PTA

Iowa Legislature

Iowa Coalition for Innovation & Growth

Iowa Business Council

Hot Team Goal

- Engage Iowans to help shift the culture and mindset around Math, Science & Technology so that Iowa is recognized as a premier state in valuing and delivering MST education.

Hot Team Focus

Actions

- **Plan initiative to increase awareness and recognition of the need for quality MST education for all learners in Iowa**
- **Increase knowledge that the workforce must possess the MST proficiency and skills to enhance Iowa's economy**
- **Cultivate quantity and quality of MST teachers and teaching in Iowa**

Measurements:

- **lowans will recognize the case for change and enact improvements that demonstrate their increased value of MST education.**
- **Shift the paradigm that MST is difficult with a stigma that makes it unattractive to students.**
- **Decrease percentage of students needing remedial MST courses and increase undergraduate students taking MST courses.**
- **Increase number of MST teachers in Iowa and their proficiency.**

Next Steps:

- **Identify additional Team members from around Iowa that have a vested interest in MST.**
- **Benchmark best practices around the nation and focus efforts on actions that can be measured.**
- **ICIG Hot Teams are to be a catalyst for change thus Team must identify hand-off strategy.**

Potential Benchmarking Options

- **STEM Talent Development Forum held in Philadelphia by DVIRC and NACFAM on June 26-27, 2006**
- **National Academies Committee on Science, Engineering, and Public Policy “Convocation on Rising Above The Gathering Storm” to be held in Washington D.C. on Sept 12, 2006**
- **Align Hot Team with piloting regional program with East Central Iowa Corridor STEM Initiative**

Potential Pilot Option

- **East Central Iowa “Corridor” STEM Initiative**
 - What is it?
 - Who is involved?
 - Who will oversee development and facilitate the initiative?
 - What are the goals?
 - What are the possible initial actions/activities?
 - What are the measurable outcomes?
 - When will it be implemented?