

Not a Member of the Project Core Team? But We Need Your Evaluative Feedback!

Imelda Castañeda-Emenaker, Ed.D.

Kathie Maynard, M.A.

A presentation at the 27th Annual Conference of the
American Evaluation Association held in Washington, DC,
October 16-19, 2013.



Evaluative feedback and the “difficult” questions the evaluator asks

You ask difficult questions that make my head ache but they are wonderful questions because you make me think.
[Kathie Maynard]

The Greater Cincinnati STEM Collaborative (GCSC)

Evaluative thinking kept us asking about the GCSC as an organization:

What makes it a collaborative?

What kind of organization is this?

Evaluative Thinking and the GCSC Focus

Why STEM? Why now?

- The need for science and math skills
- Where US students are
 - ACT scores in science
 - US rank vs. other countries
- Greater Cincinnati – no different

Evaluative Thinking and the GCSC Focus

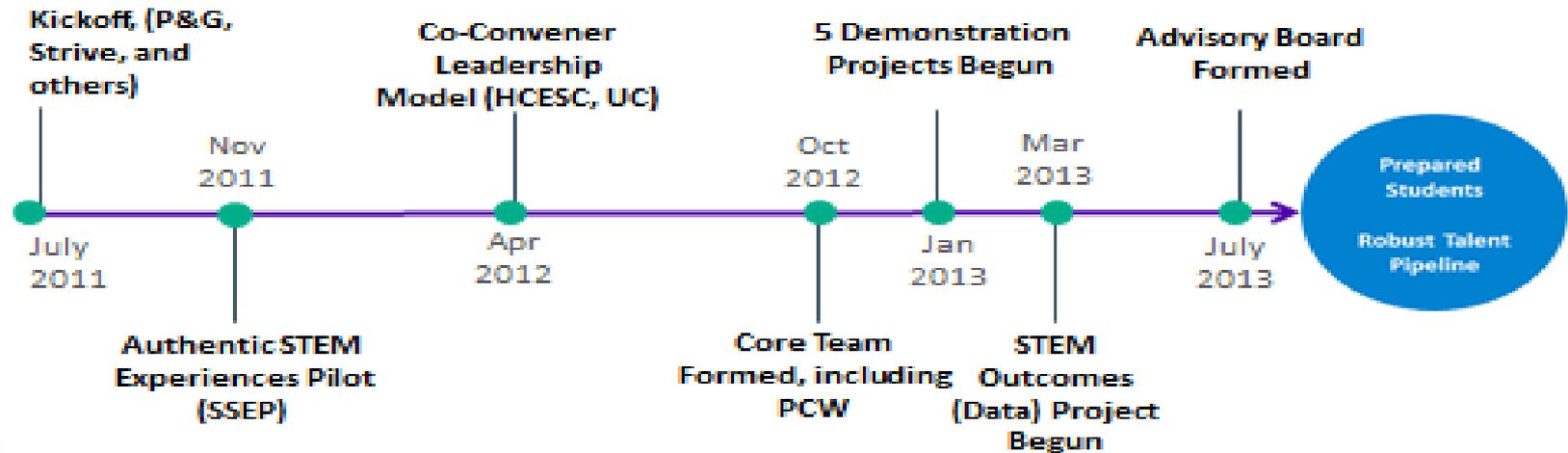
Why STEM? Why now?

84% of middle school students say they would rather clean their room, eat their vegetables, go to the dentist, or take out their garbage than learn math or science.

The GCSC... from its beginnings

GCSC Overview – Two Years of

- Partnering for STEM Education and Our Region's Future



Evaluative feedback and the client experience

Build it and they will come (Field of Dreams)

GCSC's Initial Focus



Promoting Evaluative Thinking at GCSC

- What does the group really want?
- “Marrying” of cross-cultural perspectives
- Evaluation at the forefront

Schools [formal & non-formal education]



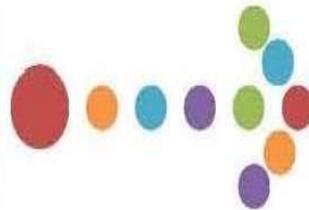
Students



Business and community



GCSC - an enabling link



careers and economic well-being

social emotional learning

everyone's overall well-being

Promoting Evaluative Thinking at GCSC

Systematic,
focused priorities,
intentional, and
purposive

Promoting Evaluative Thinking at GCSC

- Connecting processes and outcomes

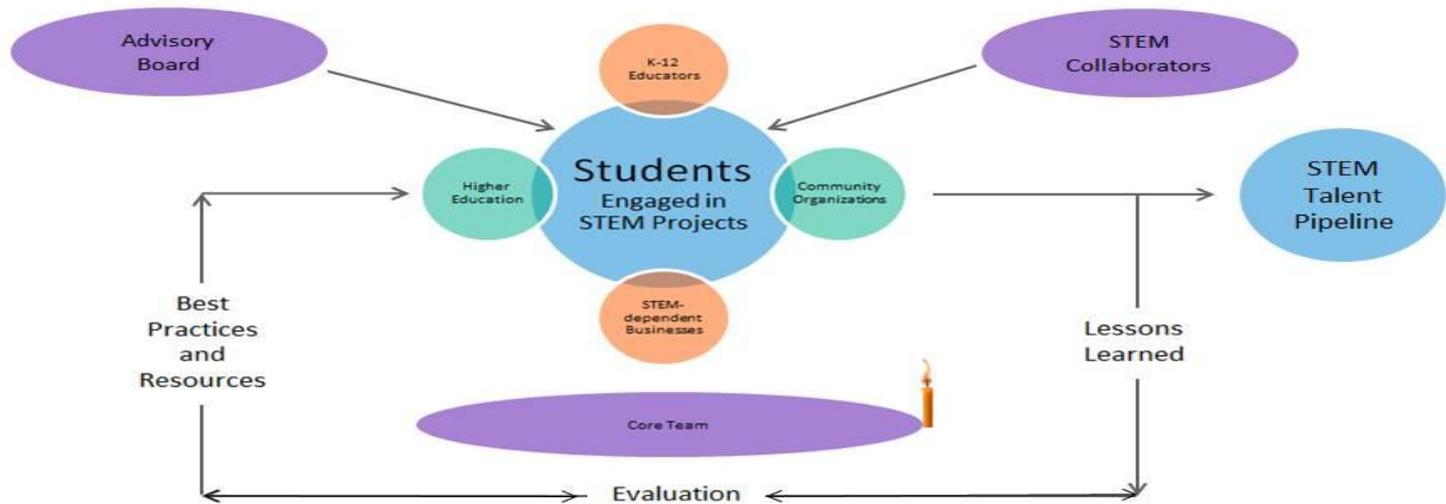


Promoting Evaluative Thinking at GCSC

- Evaluation and reflection – GCSC as a learning organization
- GCSC as a system

The GCSC as a System

Greater Cincinnati STEM Collaborative Operating Model Continuous Impact and Learning



Strive Partnership PARTNERS FOR A COMPETITIVE WORKFORCE
Classroom | Community | Campus

STEM Greater Cincinnati STEM Collaborative (GCSC)
Partnering for STEM Education and Our Region's Future

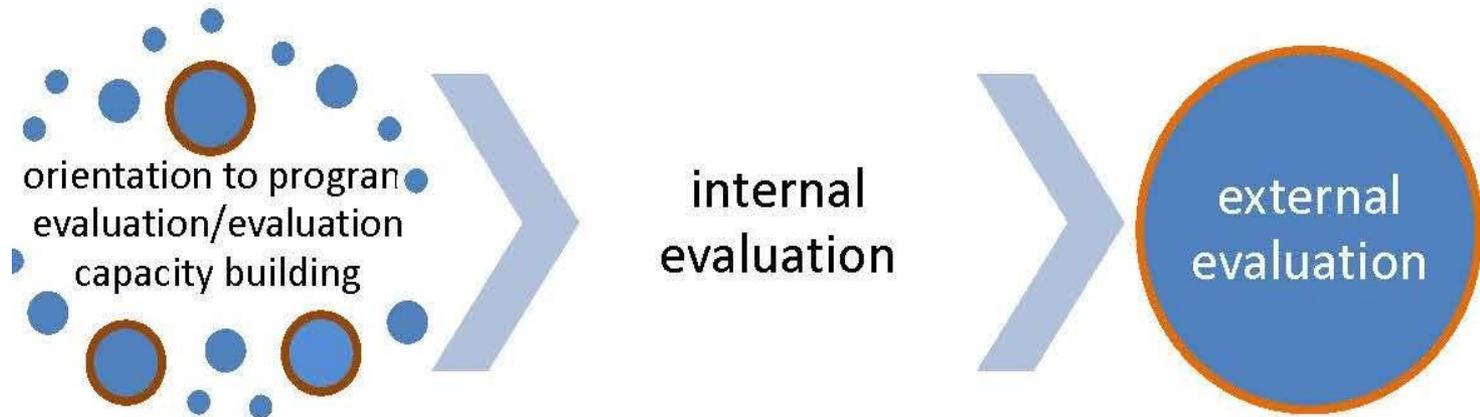
September 1, 2013

Promoting Evaluative Thinking at GCSC

- Engaging in thinking and decision-making
- Prioritizing and planning

Evaluation Capacity Building

GCSC Program Evaluation Processes



STEM Greater Cincinnati STEM Collaborative (GCSC)
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Promoting Evaluative Thinking at GCSC

- Research and evaluation
- Data, generalizations, and causal explanation

Evaluative Thinking and Expanding the GCSC Network

- The trajectory projects
- New demonstration projects



Make the

Connection



Make the Connection
to STEM

Science, Technology, Engineering and Mathematics



The best way for you to connect to STEM is to contact the **Greater Cincinnati STEM Collaborative**.

Our vision is that each and every student is prepared to enter the workforce, into either a STEM-specific career or job in the technology-enabled workplace of the 21st century. We also envision that each and every school has a business partner that creates access to engaging STEM experiences for students.

National research confirms the positive impact of exposing students to STEM role models, especially STEM professionals.

We can work with you to tailor a program to meet your needs and those of students. This might be:

- Field trips to your facility
- Student shadow days
- Capstone projects
- Student work programs
- Sponsored field trips to museums/learning centers

Students can't learn about your exciting careers and future needs if you don't engage them now!



Leading companies in our region are creating access and building the STEM talent pipeline by engaging with educators, schools and students.

Join them today!

Visit greaterincsystem.org and contact Kathie Maynard (Kathie.Maynard@uc.edu) or Steve Geresy (Steve.Geresy@hcccs.org).



STEM careers pervade our society and are the drivers of economic development and the maintenance of our quality of work life. STEM education at the parents, public general schools are vital. But do it cannot of alone because competing agencies and the local stable community needs to help!

Ted Fowler, Professor
Emory University of
Cincinnati
Co-director SW Ohio Hub of
OSLN

What is

Science, Technology, Engineering and Mathematics. STEM jobs are in demand and on the rise.

Why Connect to

STEM jobs in our region will rise dramatically by 2020. However, there is a projected decline in workers who will be able to fill these jobs and establish careers in these fields.

In the Greater Cincinnati/Northern Kentucky region, occupations related to healthcare, business, finance and computer and mathematical science are expected to grow most rapidly by 2020.

Without skilled workers, our regional businesses will suffer, and our citizens will not benefit from positions in high-paying STEM fields.

By the

34% | Of U.S. middle-school students say they would either clean their room, eat their vegetables, go to the dentist or take out their garbage than learn math or science

50% | Percentage of jobs created in next decade requiring math and science skills

26.5% | 10-year growth rate of our region's computer and mathematical/science jobs, which are also the highest paying

52% | Highschool seniors taking the ACT exam who were ready for college-level science

\$34.5M | Amount spent by Indiana, Kentucky, and Ohio to remediate first-time community college students in math

30% | 2011 U.S. high school students who are ready for college-level science

1.7 | Industrialized nations whose high-school students performed significantly better than U.S. students in math

2.6 | Countries with more students earning science or engineering undergraduate degrees

3 million | Projected shortage of workers with U.S. college degrees, associates or higher, by 2018

"Professionals in the fields of STEM are critical to grow future innovation leaders, who create new products that touch and improve lives around the world. Collaborating nationally and locally to impact STEM education and support programs that inspire students into these professions, including offering experiences to provide exposure on potential career opportunities."

Uday Sheth, Director, Procter & Gamble R&D

Evaluative thinking is a way of life at GCSC. It permeates all aspects of life of this organization.



Contact Information

Imelda Castañeda-Emenaker

- [University of Cincinnati](#)
- [Evaluation Services Center](#)
- castania@ucmail.uc.edu
(513) 556-3816

Kathie Maynard

- [University of Cincinnati](#)
- [Greater Cincinnati STEM Collaborative](#)
- sundk@ucmail.uc.edu
(513) 556-2023

