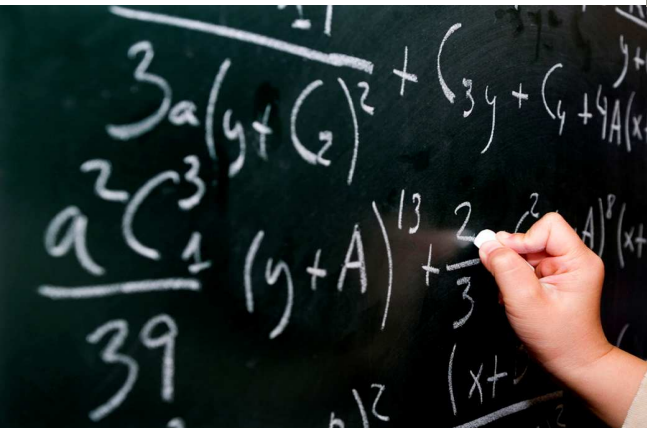


STEM & the K-12 Gifted Learner

MEGT 20th Mid-Winter Conference

February 5-7, 2012

Conference information at: www.megt.org



- S** Science
- T** Technology
- E** Engineering
- M** Mathematics

Come join us for a fabulous conference on STEM & the Gifted Learner. We have five dynamic keynote speakers who will also be presenting breakout sessions over the two days.

For 20 years MEGT has sought to provide educators across Minnesota with current research and information on gifted learners. We look forward to extending our knowledge of gifted students through new learnings and collaborative discussions.

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Pre-Conference Session

Learning and Leading with the iPad: Paul Musengades

As an educational leader you strive to lead by example. Now is your opportunity to understand and use a revolutionary new technology that is being adopted by schools and universities around the world. This session will give you a basic understanding of the Apple iPad. You will learn about applications that make a positive difference for all students, and experience free digital text books and literature. The iPad will be your calendar, your email, your web browser, your connection to the national weather service, and your way of keeping up with the books you have been wanting to read. It's time to invest in your future!

During this session you will:

- Gain an understanding of how mobile technology is being used in school.
- Learn of test results students have achieved as a result of mobile technologies.
- Gain an understanding of what is required to deploy mobile devices in your schools.
- Experience various educational applications.

****An additional registration fee is required for this session.**

This session starts at 1:00 Sunday. Be sure to arrive on time.**

Conference Overview

<i>Sunday Afternoon:</i> 1:00-3:30	**Pre-Conference Session ** Separate Registration needed
<i>Sunday Evening:</i> 4:00-5:30	Registration/Check-In/Vendors Hospitality Room open to all
5:30-7:30	Dinner
7:30-9:30	MEGT Welcome Friends of the Gifted award Nicholas Green recipient Keynote: Brian Housand
<i>Monday:</i> 8:45-10:15	MEGT Welcome Keynote: Eric Raarup & Mike Hodnick
10:15-11:30	Breakout Sessions
11:30-12:30	Lunch
12:30-2:45	Breakout Sessions
3:15-4:30	Keynote: Ioannis Miaoulis
5:30-7:30	Social Hour & Dinner
7:30	Regional Gatherings <i>20 years celebration</i>
<i>Tuesday:</i> 7:00-8:00	Continental Breakfast
8:00-9:00	Breakout Sessions
9:15-10:30	Keynote: Ed Zacarro
10:40-11:45	Brunch
12:00-1:15	Keynoter: Brian Housand
1:15	Closing Remarks

Keynote Speakers' Presentations



Brian Housand

Sunday night: Gifted Education in the 21st Century: A NEW HOPE

A long time ago, in a school far, far away, gifted education enjoyed what has been referred to as a Golden Age. Since the dawn of NCLB, the pendulum has swung in the direction of prescribed, didactic instruction that focuses on meeting minimum standards and the weaknesses of our students. Meanwhile, the world has seen technology advance at an unprecedented rate, but with little impact on education. The time has come to reinvent gifted education for the 21st Century; to take back the helm of quality and rigor in education. Now is the time to think beyond today and ask: What about tomorrow? How will technology and 21st Century Skills transform gifted education?

Tuesday morning : Plugging into Creative Outlets

Today's youth have unprecedented access to powerful tools designed for creative production. However, many schools are asking our digital natives to unplug when they enter the classroom. While the focus of the education system has switched to remediation, the teaching of creativity in the 21st century has become as important as the teaching of literacy. A variety of free digital tools and resources will be demonstrated to help teachers promote creative productive giftedness in their students.

Eric Raarup & Mike Hodnick

Monday morning: Applying STEM in Software Engineering

In this session, Eric Raarup and Mike Hodnick will discuss the importance of STEM disciplines in the field of Software Engineering. This session will provide an overview of contemporary software development along with a day in the life of a software engineer and how they use many of the STEM disciplines. The presentation will also include a demonstration of an interactive software application designed to engage students in STEM.

Dr. Ioannis Miaoulis

Monday afternoon: Science in the K-12 schools: Oh My...do we have it WRONG!

Although humans make the majority of the objects we interact with and use during our day-to-day lives, the current school curriculum focuses very little on how our human-made, or designed world, is made. Pens, cars, pills, buildings are all technologies and the results of the engineering design process. Most educators claim that science is the discipline that teaches children about the world around them. However science curricula focus only on the natural world which constitutes only a minor part of our day to day life. Children spend enormous amounts of time learning things that are totally irrelevant to their lives and become adults who are technologically illiterate. Ioannis (Yannis) Miaoulis, President and Director of the Museum of Science in Boston will discuss how our educational system has missed the point and talk about a major initiative to introduce the human made world and engineering in schools nationwide.

Ed Zacarro

Tuesday morning: Nurturing a Mathematical Gift into a Passion

A failure to find mathematics challenging, interesting, or relevant are significant factors when children lose interest in mathematics. Children who are talented in mathematics must be exposed to material that lights a fire and nurtures their gift. This session will give teachers information that will help them nurture their students' passion for mathematics.

Special Features of the Conference & Breakout Sessions

Call for Proposals

The MEGT statewide organization is seeking presenters to share their expertise/insights in the challenge of gifted students. Successful presenters, teachers, coordinators, principals and parents interested in providing engaging sessions for participants are encouraged to send in proposals.

A Call for Proposals form can be found on the MEGT website at: www.megt.org

Preference will be given to proposals that address the focus topics of the conference:

- STEM & gifted
- literacy topics
- numeracy topics
- RTI and gifted
- critical thinking
- creative thinking
- technology
- rigor in the curriculum

To submit a proposal email:

- Your name
- Address
- Phone/Fax/Email
- Session Title
- Intended Audience, - Session Description (25 words)
- About the Presenter (25 words)

TO: Bill Keilty
microtubel@me.com

(763) 795-6686 (w)

(651) 462-5358 (h)

Literacy topics
Numeracy topics
RTI and gifted students
Effective methods to differentiate instructional to impact student achievement
Addressing the needs of diverse populations
Data driven instructional strategies
Critical thinking strategies
Creative thinking strategies
Technology sessions
Advocacy for gifted learners
One semester graduate credit from Hamline University
Networking opportunities & activities

All of Cragun's lodge rooms and meeting rooms have free wireless high speed internet access.
Please feel free to bring your laptops or iPads to the conference.

Session hours can be used to fulfill state relicensure requirements in the areas of:
differentiation
reading/literacy
mental health

SEE INSIDE BROCHURE FOR DETAILS
Conference information also available at:
www.megt.org

**Need Directions to Cragun's?
Go to: www.craguns.com**