

Life Takes Math and Science and So Should YOU

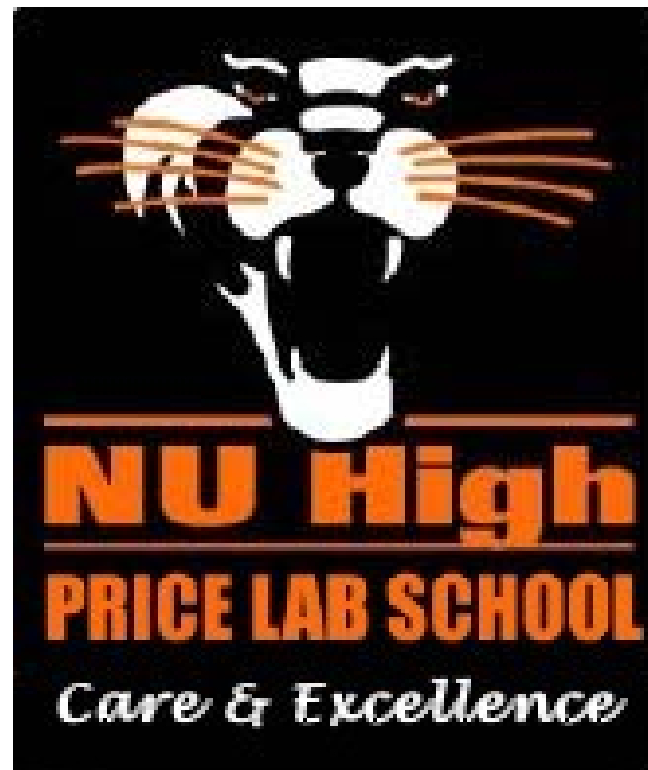


2008 Iowa Student Stem Symposium

Sponsored by the Iowa Mathematics and Science
Coalition

Where and when

- Price Laboratory School Field house
- November 5, 2008
- 9:00 am – 2:30 p.m.





Goals for Numbers

- Include 75 schools with teams of 4 students with teacher/mentor.
- Solicit schools from diverse areas and representing a variety of size of school.
 - Focus on under-represented areas in 2007 Student Summit (i.e. Western & Southern Iowa)
- We could use your help for this.
- Deadline is next Friday, September 19, 2008



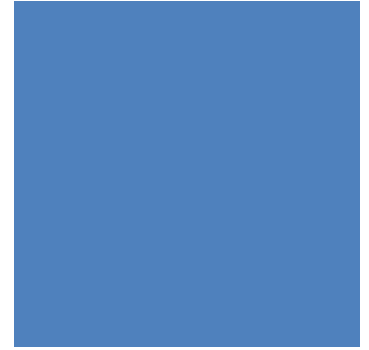


Schedule

- Brief introductions & Keynote address
- Breakout sessions with students & separate ones for teachers
- Lunch
- Discussion Centered Around Breakouts and Focus Questions
- Developing a School-wide plan with school teams



Symposium Focus



- Increase school and/or community support for mathematics and science
 - Through clubs &/or competitions
 - A way you can help – send your list of math competitions to me
- Increase the numbers of students taking rigorous math and science courses
 - Encouraging Middle School Students through sponsoring competitions or making presentations
- Increase Awareness of STEM Careers

Student Breakout focus

- Engaging & interactive for involving students
- “train the trainer.”
 - Involving students in an activity that they can take back to their schools & use
 - Provide information they can use to advocate for STEM
- Interest them in Careers



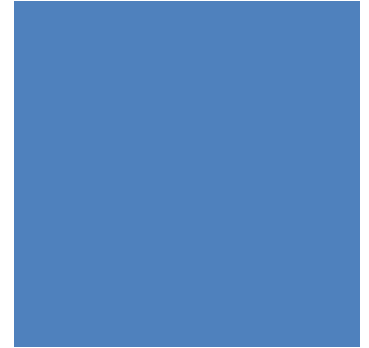
Teacher Breakout Focus

- How to develop a captivating message for your program.
- How to involve students in career exploration
- How to write grants to fund innovate projects you want to do
- How to Connect with Business to Build Partnerships



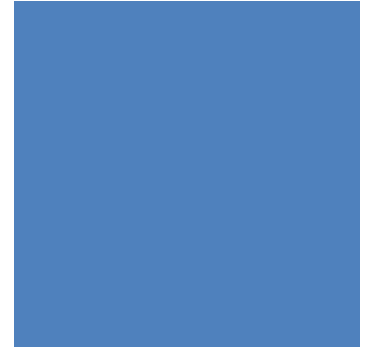
Tentative Breakout Topics

- How to Market Successfully
- A Platform to Engage Your Science Worldview
- Did You See That? Pathways to a Career in the Public Health Laboratory
- University of Iowa Gross Anatomy 101
- Project Lead the Way
- Hydrology



Tentative Breakout Topics

- Developing a First Robotics Team
- Ways to Develop a Math Club and/or Market Your Program
- Making A Video to Promote Mathematics and Science
- Getting Students Involved in STEM Competitions
- Advanced Manufacturing



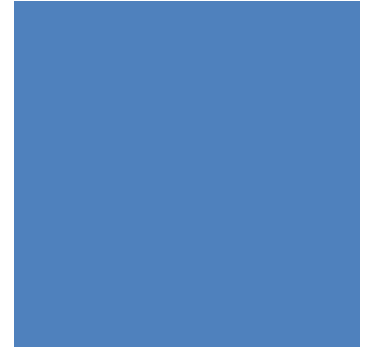
Benefits of Participation

- Students are empowered to be the agents of advocacy in their school on STEM issues.
- Implementation of team plans can change the environment in a school and encourage students to DREAM and translate these dreams into action.
- Schools can apply for funds to help with their project.
- All students receive a 2 GB flash drive & “extras from regents institutions.”



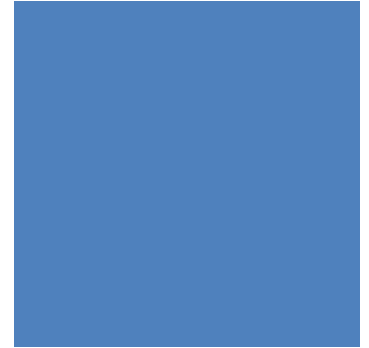
Every school team

- Will develop a plan that fits their school.
- TENTATIVELY All will be able to
 - Enter one of three competitions:
 - 1) Commercial video competition
 - 2) General marketing competition
 - 3) Building a Presence for Math/Science Outside the Classroom for STUDENTS.



Questions?

- Where do you think you could fit in?
- Focus questions - response



How could IMSC help you?

