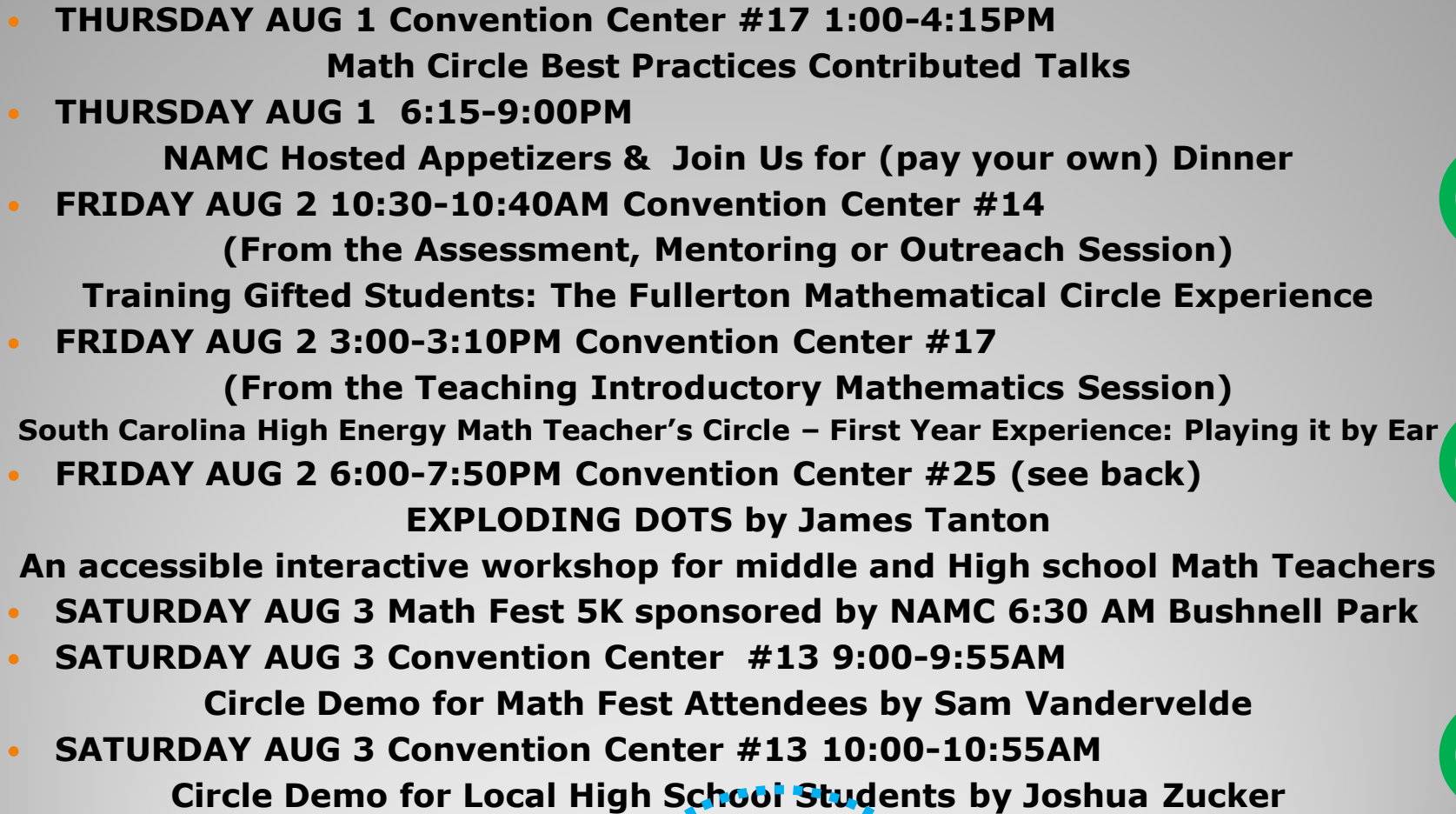


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- **THURSDAY AUG 1 Convention Center #17 1:00-4:15PM**  
**Math Circle Best Practices Contributed Talks**
  - **THURSDAY AUG 1 6:15-9:00PM**  
**NAMC Hosted Appetizers & Join Us for (pay your own) Dinner**
  - **FRIDAY AUG 2 10:30-10:40AM Convention Center #14**  
**(From the Assessment, Mentoring or Outreach Session)**  
**Training Gifted Students: The Fullerton Mathematical Circle Experience**
  - **FRIDAY AUG 2 3:00-3:10PM Convention Center #17**  
**(From the Teaching Introductory Mathematics Session)**  
**South Carolina High Energy Math Teacher's Circle – First Year Experience: Playing it by Ear**
  - **FRIDAY AUG 2 6:00-7:50PM Convention Center #25 (see back)**  
**EXPLODING DOTS by James Tanton**  
**An accessible interactive workshop for middle and High school Math Teachers**
  - **SATURDAY AUG 3 Math Fest 5K sponsored by NAMC 6:30 AM Bushnell Park**
  - **SATURDAY AUG 3 Convention Center #13 9:00-9:55AM**  
**Circle Demo for Math Fest Attendees by Sam Vandervelde**
  - **SATURDAY AUG 3 Convention Center #13 10:00-10:55AM**  
**Circle Demo for Local High School Students by Joshua Zucker**

## **SIGMAA MATH CIRCLE ACTIVITIES**

### **MATH FEST 2013**

For updates or  
questions text to  
775-722-0658

# MAA MATHFEST

Jul 31-Aug 3, 2013



## EXPLODING DOTS!

An Accessible and Interactive Workshop  
for Middle- and High-School Educators  
(And students are welcome too!)

PRESENTER: JAMES TANTON  
([www.jamestanton.com](http://www.jamestanton.com))

Here is a story that isn't true:

When I was a young child I invented a machine (not true) that was nothing more than a series of boxes that could hold dots. And these dots would, upon certain actions, explode.

And with this machine, in this non-true story, I realized I could explain true things!

In one fell swoop I explained all the mathematics of arithmetic I learned in grade school (true), all of the polynomial algebra I was to learn in high-school (true), elements of calculus and number theory I was to learn in both high school and in university (true), and I also began to explore unanswered research questions still intriguing mathematicians to this day (also true)!

Let me share this story with you. See how simple and elegant ideas from the regular curriculum connect to elegant and profound ideas in mathematics as a whole.

AND, other way round, discover from this workshop new and exciting approaches to bring back into the classroom. It's win-win all round!

Be sure to bring pencil and paper. This experience will be interactive!



6:00 p.m. – 7:50 p.m. Friday, August 2 at MAA MathFest  
sponsored by the Mathematical Association of America ([www.maa.org](http://www.maa.org))  
and SIGMAA MCST ([sigmaa.maa.org/mcst](http://sigmaa.maa.org/mcst))

Room 25 of the Connecticut Convention Center, Hartford

There is **no registration fee**. Just come along with a smile and good-hearted cheer for deep mathematical enlightenment!

Learn more about MAA MathFest ([www.maa.org/mathfest](http://www.maa.org/mathfest))

