

Research Shows...

"In a new study, the brain activity of high school seniors doing single-digit calculations correlated with their scores on a PSAT math subtest. It provides the first data to show that brain mechanisms associated with elementary arithmetic skills are related to performance on an important measure of math competence at the end of high school.

One of the study's authors is professor Michele Mozzocco, who joined the Institute for Child Development last year and directs research at the Center for Early Education and Development (CEED).

As children learn arithmetic, they rely on counting out loud or on their fingers, or breaking down numbers to solve problems. Gradually they replace these procedures by memorizing routine solutions. Arithmetic fluency is the speed and efficiency with which students calculate answers. Becoming fluent in arithmetic early appears to advance the developing brain's architecture in a way that promotes the ability to learn higher level math skills later, an important factor in student success.

Understanding the cause of individual differences in math skills can lead to developing educational approaches that improve math achievement. The study also shows how neuroimaging data can aid in understanding important educational issues."

"Why mental arithmetic counts: Brain activation during single digit arithmetic predicts high school math scores," in The Journal of Neuroscience, 2013 (33:1)
www.jneurosci.org/content/22/1/156.full

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Cannon River STEM School News

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Scholastic Book Fair Success

Even a May snowstorm couldn't stop the crowds from attending the Book Fair and Grandfriend's Day. The snowstorm did mean rescheduling the K-3 concert and everyone's patience with that was appreciated.

The Book Fair generated dollars to be used for additional nonfiction books for the school library. According to the figures provided by Scholastic 1077 books were purchased which translates into 193,873 reading minutes! We are pretty sure those Grandfriends, about 300 signed in that snowy Friday morning, purchased quite a few of those books.



Reminders to please ...

- Return all CRSS library books and classroom books
- Pay the invoice amount for Before School Care
- Check the balance on your Meal Account and plan accordingly for lunches
- Return the weekly take home folder, it is either blue or gray
- Have your child check the lost and found, all items will be cleaned and donated to the CRSS playground pile or the Senior Citizens Clothes Closet after June 1st
- Pick up all medicines from the office on the last day of school. If unable to pick up on last day please call the office to schedule a time. Meds will be disposed of after 6/7.

CRSS Firsts

As the 2012 - 2013 school year draws to a close all of the staff at Cannon River STEM School would like to thank you for being part of our school community. This year saw many **firsts** at CRSS: our p.e. teacher - Mr. LeDuc, our campus naturalist - Ms. Elaine, our Reading Corps member - Ms. Benson, partnerships with the Faribault Senior Center on three projects, with Faribault Senior Living with the Middle School service learning students, an Earth Week Fair, a Specials Night instead of an Arts Night, an Astronomy night, a math record keeping card and CRSS developed end of year math assessments for each grade, volunteer training sessions, the parent organization named the Raptor League, a team attended a Robotics tournament, Kindergarten presenting to the Faribault City Council, we created a Monthly Newsletter - to name a few.



We wish all of you a safe and enjoyable summer. Remember how important it is to read every day, to talk about your reading and learn new vocabulary words, and to practice those basic math facts. We are already looking forward to seeing you at the Hamburger Fry in August.

Monday**Tuesday****Wednesday****Thursday****Friday**

May 27 No School	May 28	May 29	May 30 Field Trip: 8th 8th Grade Commence- ment @ 6:00	May 31 Last day of school Happy Summer!
June 3 Teacher and Staff Development	June 4 Teacher and Staff Development	June 5 Teacher and Staff Development	June 6 Teacher and Staff Development	June 7 Teacher and Staff Development
June 10 Camp Invention	June 11 Camp Invention Summer Session K-3 (9am—12pm)	June 12 Camp Invention Summer Session K-3 (9am—12pm)	June 13 Camp Invention Summer Session KK-3 (9am—12pm)	June 14 Camp Invention
June 17	June 18 Summer Session K-3 (9am—12pm) 4-7 (1pm—4pm)	June 19 Summer Session K-3 (9am—12pm) 4-7 (1pm—4pm)	June 20 Summer Session K-3 (9am—12pm) 4-7 (1pm—4pm)	June 21
June 24	June 25 Summer Session K-3 (9am—12pm) 4-7 (1pm—4pm)	June 26 Summer Session K-3 (9am—12pm) 4-7 (1pm—4pm)	June 27 Summer Session K-3 (9am—12pm) 4-7 (1pm—4pm)	June 28

Summer Opportunities Include

- Camp Invention—June 10 – 14 scholarships available, led by Ms. Rosendahl, Mrs. Girard, and Ms. Mueller www.campinvention.org
- Buckham Memorial Library—reading programs, some with our own Ms. Deni www.ci.faribault.mn.us/assets/2/2012srpbrochure.pdf
- Summer Sessions—by invitation, please return your RSVP this week