**Math News**

**December 2018**

Welcome to all the new members the Math Community has added over the last few months. If you have any questions or are looking for additional resources, please drop me an email at kmauro@pa.gov. You can also invite your fellow math teachers to join the community as long as they have a SAS account.

**PCTM:**

On behalf of the members of the PCTM 2019 Conference Committee, I am writing to announce and *invite* Math educators of **all** levels to the *fifth* annual PCTM Summer Conference scheduled for Wednesday, **August 7th** and Thursday, **August 8, 2019** at the Hilton Harrisburg in Harrisburg, PA.

Additionally, the committee is asking for speakers’ proposals, which are due for review by January 4, 2019.  Please consider this opportunity and invite your colleagues to submit proposals as well.

A copy of the flyer is in the content repository of the math community in the PCTM folder.

**Math Resources, using educational technology:**

https://edtechteacher.org/tools/math/#tab-v-crum-1-

**Math Games/Practice:**

XtraMath is a free program that helps students master addition, subtraction, multiplication, and division facts. Xtra Math

https://xtramath.org/#/signin/classroom

**NASA for Educators:**

<https://www.nasa.gov/audience/foreducators/index.html>

**Math Intervention Resources:**

[Intervention Central: Response to Intervention | RTI | RTI Resources](https://www.interventioncentral.org/)

**Intervention** Central is the leading **resource** for Response to **Intervention** (RTI) tools and ... provides teachers, schools and districts with **free resources** to help struggling ... letters, **math** facts, spelling and sight words, and even vocabulary terms.

<https://www.interventioncentral.org/>

**Articles:**

How to Help Students Heal From 'Math Trauma'

<https://www.edweek.org/tm/articles/2018/11/06/how-to-help-students-heal-from-math.html?cmp=eml-enl-eu-news2&M=58665240&U=1839152&UUID=4e6bcf187823e686bc4c8658d0e53d09>

When do students take algebra?

<https://www2.ed.gov/datastory/stem/algebra/index.html>

. . . more documents about curriculum and expectations.

Expectations:  <https://tntp.org/assets/documents/TNTP_The-Opportunity-Myth_Web.pdf>

Curricula:  <http://edpolicy.education.jhu.edu/wp-content/uploads/2018/10/RFP.pdf>

**Grant Opportunities:**

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| The [Family Math Learning Community Grants](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Feducation-first.us10.list-manage.com%2Ftrack%2Fclick%3Fu%3Dc6bc44f9f7666ae19d829469e%26id%3D5f50a5583f%26e%3De4b966e03e&data=02%7C01%7Ckmauro%40pa.gov%7Cfc62d4604e78490cc7f408d643f33e99%7C418e284101284dd59b6c47fc5a9a1bde%7C1%7C0%7C636771109345709960&sdata=3mMSnP67VejgkKCKidM5Aq5g9TSNw9fwtvmrFu58V3w%3D&reserved=0), an initiative of the Family Math Roadmap Implementation Project, seeks to close early math opportunity gaps by increasing the use of home and community practices that support Family Math. Through these grants, the Overdeck Family Foundation, Heising-Simons Foundation, Bill & Melinda Gates Foundation, Robert R. McCormick Foundation and CME Group Foundation hope to support community-focused initiatives that ensure all children – but particularly those from low-income communities and communities of color – see themselves as math learners. **We are requesting Letters of Inquiry (LOI) from the following:*** Organizations aiming to expand their community work in the area of Family Math and/or
* Organizations interested in sharing effective family engagement strategies around early learning issues more broadly.

The original estimates for potential grants range from **$500,000-$750,000** but this will be further explored based on responses from the LOI. It should be noted that as this time, there is no commitment on behalf of any of the listed foundations, or foundations that join the project, and Education First to make grants available. We are using this process to gather information to determine if and how the foundations will use their resources. To learn more about the grants and to apply, visit this [website](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Feducation-first.us10.list-manage.com%2Ftrack%2Fclick%3Fu%3Dc6bc44f9f7666ae19d829469e%26id%3D7f75e3a627%26e%3De4b966e03e&data=02%7C01%7Ckmauro%40pa.gov%7Cfc62d4604e78490cc7f408d643f33e99%7C418e284101284dd59b6c47fc5a9a1bde%7C1%7C0%7C636771109345709960&sdata=tedwukfdPToTEtGLcq7VV43RImhYy4oRNDl29%2BRcB%2B0%3D&reserved=0). I hope that you will also forward widely to your networks! |

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**Other Math News Sites:**

Senate Bill 1095 was signed by the Governor affecting Graduation requirements and the Keystone Exams.

<https://www.legis.state.pa.us/cfdocs/billInfo/billInfo.cfm?sYear=2017&sInd=0&body=S&type=B&bn=1095>

If you have any questions concerning Math News Information, the Standards Align System (SAS), or information regarding Curriculum, Instruction or Assessment please contact me, Kevin Mauro, Mathematics Curriculum Advisor at kmauro@pa.gov.