**Math News**

**March 2019**

**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.

<https://www.eventbrite.com/o/pctm-pennsylvania-council-of-teachers-of-mathematics-18141783718>

**Happy Pi Day: Ways to Celebrate Pi Day 2019**

[**https://www.piday.org/2019/ways-to-celebrate-pi-day-2019/**](https://www.piday.org/2019/ways-to-celebrate-pi-day-2019/)

[**http://www.nea.org/tools/lessons/50840.htm**](http://www.nea.org/tools/lessons/50840.htm)

[**http://www.pbs.org/education/blog/21-pi-day-resources-for-your-classroom**](http://www.pbs.org/education/blog/21-pi-day-resources-for-your-classroom)

**Math Resources, using educational technology:**

The STEM Toolkit Workgroup will identify and/or design, review, and curate integrated K-12 STEM lessons that are coherent with the Pennsylvania Department of Education's vision, mission, and belief structure for STEM Education.

[**https://www.oercommons.org/groups/pa-stem-toolkit/2127/**](https://www.oercommons.org/groups/pa-stem-toolkit/2127/)

Here are four excellent Chrome apps specifically curated for Math teachers and students. These apps are ideal for writing, editing and viewing math formula whether they are simple or complex. One of these tools, TeX equation editor, is integrated with Google Drive so you can easily paste TeX equations right into your  Google Docs.

[**https://www.educatorstechnology.com/2019/03/3-good-math-equation-apps-for-students.html**](https://www.educatorstechnology.com/2019/03/3-good-math-equation-apps-for-students.html)

**Math Games/Practice:**

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

<https://xtramath.org/#/home/index>

**NASA for Educators:**

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

**Math Intervention Resources:**

A Framework for Re-envisioning Mathematics Instruction for English Language Learners <https://www.cgcs.org/Page/843>

<https://www.cgcs.org//cms/lib/DC00001581/Centricity/Domain/251/FrameworkForMath4ELLs_R10_FINAL.pdf>

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.