# **Math News**

# **February 2024**

|  |
| --- |
| Logo  Description automatically generated**Pennsylvania Council of Teachers of Mathematics** |

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

Do you know an outstanding math educator or math education supporter? Do you know a student who plans to pursue further work in mathematics or a mathematics-related field? Do you know an excellent high school senior who plans to go into a math-related field?

**Nominate them for the annual PCTM awards!**

Nominations will close on March 30th. Information about each of the awards and a link to a nomination form can be found at [pctm.org/awards](https://gcc02.safelinks.protection.outlook.com/?url=http%3A%2F%2Femail.joinit.org%2Fls%2Fclick%3Fupn%3DLnM8nwctSGbZ2VqPGqSSTsq-2B7XtJbPS5msYQACdp05y-2BsidxJYK1ClsFgcvV5YTC0G4qDMFNvo-2FNrjChGZsRAXRJ9njiX-2Fl81NV00TE9j4LxtogSCuQ6hCoCGwYqiO7CAHSw9OjZKvOCsyD1u44oXzZSfk1MvCdxwm2ouuavj-2F6f6J1-2BcrTsAhgTaZPi55wm-2Fz7ZGWjpqa1tCaOJk0Gt3lfQnd-2Fndl80jrGFZXldrwhWLkwW-2BV8CP-2BHQda-2BYD22E0jdx99g01Rc3coil6Jh0XyJaJHKnfOl9M8-2BUjEeTagcCKENkdWBo6KdK5iuiHb7Y3vwbbNNO6hy4FwQ26zFNr9hg5ua8heUHit5TOsPYPYpFiztGLULs8g9Q7JLp00cXVM9WrnQVhBMSO5qn3vctMlzAKfg1aDfoqKDWv-2F1IH2jtJOgmOYq-2BuW6Ny1PnTzaG5ytGen9LMQAK7I3fc5GPZCweySCYXXqseRck-2B-2F1rlqloL9xzrzqpChdvVIZ0cQw5679n0CP1UTJeXmXT9US3Hm3kc1Oqh67qnkpA7CiHFnOsKB4uxk87JXLQeEvFQ5AqAJCHxc2YMU-2BY8IF-2BG63MdGFWnddcqyinCK1kIBPSrVR7AYENKp6zFc5KJN7V9UM5hySL6R4p-2BskpjzEG5NavLfkG2ipRPxYhau8Tlwa5jmBUH51pqjkwUgLhfv2VUUeXM4Cg17E-2Bq3QBtr8DiU1Liv-2FbolIohoMB0UP1MHrwYpgkRYa6KvmrojPaz1C9biVN7vcIEjJIFpfDWaugKpQmzl0ohHrLMY-2BGHfT2D9-2BaOjMFrw5Y7amqHtTWJ19h9bBcYMVJSke8xEzXYOgItEfatjYgjCR4AbGxTuTlwyaePpvqeNEOrd63Jr4KEZMVYsG1BrQo_VpzrrOV-2FK83cMpYsQT67xTgdACM3a4gI2CaK0gJgKcdOB4LG1LQu4DznxjV53Pxhx0Bw04siNE-2ByCIot2CUVLhezE0-2Bb7ORVtpve5NCbBndYfSZMMy0Zm62n6J6tQ-2BZ4i4r2i-2B9fsGY6HgOuFqlI2bvUGW5Cg4elz7E-2BZ6kUb-2Bs16UUzGCfqZTU3Be0i1hdUHdA-2FSKJu3W8gPm0fTSz2wKxOacRNUqU4GTkxUhUE2ql2hxrJfj77n8Ag-2Fb35e43NT9NFPFfasc-2B7e7dx7L5cP-2BM3-2BAtbJ-2BD-2B287u8m9OScNdCTfhP9oRV-2BA8BpXsizqImdVmMxg0DNW60YQXPcue5th496iHxearGxULr6pz5cS-2Fe6T-2FlKi5zqpx1fKPpbEZsCUBg6tKVC5y8dfO5iqvegnLtBBiK4aZZZU3z0vgHqXAaCbV7OZiFIkvAJS0rEsT0HLsYPLymhx9I-2FneTTB4DQ-3D-3D&data=05%7C02%7Ckmauro%40pa.gov%7Cd28f7dcbb48c4eeb070908dc236b4429%7C418e284101284dd59b6c47fc5a9a1bde%7C0%7C0%7C638424190814856878%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=2BDIksaiZM7epQdVNNoVZFaigk4pEfRYZqKk39KXsAA%3D&reserved=0). Nominations will require a link (or upload) of a letter of recommendation describing the candidate’s qualifications for the award. All nominators will be contacted about the status of the award on or around April 30th. Educator awards will be presented at the PCTM Annual conference and educator award winners receive a free conference registration.

A description of each of the awards is listed below:

**The Outstanding Contribution to PCTM Award:**This award will be presented to a member of PCTM who has demonstrated outstanding service and leadership to the organization over many years. The individual could have served in a variety of capacities or may have served in a single leadership role for many years.

**The Outstanding Contribution to Mathematics Education Award:**This award will be presented to a mathematician, or a mathematics educator from a public or private school, college or university, or industry, who has made an outstanding contribution to mathematics education in Pennsylvania. The person being nominated for the award must teach or work in Pennsylvania.

**The Mathematics Hall of Fame Award:**This award will be presented to the mathematics educator in Pennsylvania who is regarded by his/her peers as making the greatest impact on mathematics students and has continually exemplified excellence as a mathematics educator.

**The Master of Mathematics Award:**This award will recognize math educators at four different levels of education: Primary Master of Mathematics: Grades K-2, Intermediate Master of Mathematics: Grades 3-5, Middle School/Junior High School Master of Mathematics and High School Master of Mathematics. To be nominated for this award a candidate must:

Be a teacher in a public/private school (at any level, K-12) who teaches mathematics in the state of Pennsylvania. Have completed at *least*seven years of full-time teaching.

Exhibit contagious enthusiasm for students’ learning of mathematics.

Demonstrate initiatives in developing innovative strategies in his/her teaching.

**The PCTM New Teacher Award:**The purpose of the award is to recognize promising, beginning teachers of mathematics so that they will be encouraged to remain in the profession. This award includes three years of free membership to PCTM. A supervisor, an administrator or a colleague must nominate the new teacher. To be eligible for this award the candidate must:

Be a teacher in a public or private school (at any level, K-12) who teaches mathematics in the state of Pennsylvania.

Have completed the first, second, or third year of his/her first full-time teaching experience.

Exhibit contagious enthusiasm for students’ learning of mathematics.

Demonstrate initiatives in developing innovative strategies in his/her teaching.

**The Distinguished Service Award:**Upon the completion of the Annual conference, nominations will be accepted for the Distinguished Service award. The award may go to the General Chairperson of that Annual Conference, the Program Chairs of that Annual Conference or any PCTM Conference Committee Chairperson who has done an outstanding job in carrying out the function of his or her committee. The nominator must submit in writing to the Awards Committee, the person’s name, the committee chaired and the reasons the person is deserving of the award.

**Annalee Henderson Award:**The Annalee Henderson Outstanding Student Achievement Award is presented annually to a high school senior who has demonstrated excellence in mathematics and whose future plans include mathematics or a mathematics-related field. The student must have completed a variety of high-level mathematics courses which reflect a genuine interest in, and talent for, mathematics. High SAT scores and the participation in mathematics contests and original work or research in mathematics presented for math and science fairs and clubs is required. The student must have a good overall academic record and be involved in other activities (inside or outside of school). This award includes a monetary amount of $1000.

**Innovation Challenge**

The Lancaster-Lebanon Intermediate Unit 13 in conjunction with the Pennsylvania Department of Education (PDE) is announcing an Innovations Challenge which is a statewide competition that challenges teams of students in 9th through 12th grade to use their problem-solving, creative, and strategic-thinking abilities to solve real-world lifesaving challenges. Winners will be selected by members of the Organ Donation Advisory Committee (ODAC).

Your Challenge: Develop an innovative video that would encourage people, teens and/or adults, to become organ and tissue donors.

 Your Award: The statewide winning team will be awarded $3,000. The winning team members will receive certificates as well as their school receiving a traveling trophy and permanent trophy engraved with the school's name. The team will also be invited to attend the Annual OTDA Spring Conference in State College in May 2024.

 For details please visit the[OTDA-challenge](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.iu13.org%2Fnews%2Flancaster-lebanon-intermediate-unit-13-announces-a-statewide-innovations-challenge%2F&data=05%7C02%7Ckmauro%40pa.gov%7Cd16c6f0447504dfac52f08dc23e61e27%7C418e284101284dd59b6c47fc5a9a1bde%7C0%7C0%7C638424718480330084%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=JAa3s1YxQzJi9Zd6TrFRiu3bgyiezaJvUBqEOHSnZbE%3D&reserved=0)or download the flyer:  [OTDA Innovations Challenge Postcard Flyer (Canva).pdf](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Ffiles5.pdesas.org%2F004131105117124017131018225130138165248080017056%2FDownload.ashx%3Fhash%3D2.2&data=05%7C02%7Ckmauro%40pa.gov%7Cd16c6f0447504dfac52f08dc23e61e27%7C418e284101284dd59b6c47fc5a9a1bde%7C0%7C0%7C638424718480340780%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=Gn7S%2B%2FiTlOBCumOIj0gfjTe7Y55kBJHb8JkOFaNO188%3D&reserved=0)
OTDA Challenge website:  <https://www.iu13.org/news/lancaster-lebanon-intermediate-unit-13-announces-a-statewide-innovations-challenge/>

[**Farm in the Classroom**](https://pdesas.org/EduPortal/Home/viewupload/800062)

****Millersville University recently received a grant from the PA Department of Agriculture to run a competition for middle and high school aged students. Competitors can submit design plans for a hydroponic or aquaponic system. Winners in each of the three levels will receive up to $1500 or $2000 (depending on level category) to build the system. They will also be invited to Millersville University for a day to visit/tour our program, hear an expert guest speaker, enjoy lunch, and learn more. Competition deadline is March 8, 2024.

For the Latest competition Information, please fill out this Form ASAP.

**Let us know that you are working on a design plan to submit. We will**

**share additional information as it becomes available.**

<https://forms.gle/kth9oWjLpovrddeo9>

**STATE BOARD OF EDUCATION**

**Board Actions**

**As required by law, the Pennsylvania State Board of Education meets at least six times per year, typically on a bi-monthly basis.**

On January 11, 2024, the State Board of Education approved the following items:

* Proposed Amendments to 22 Pa Code Chapter 4

[Annex A](https://www.stateboard.education.pa.gov/Documents/About%20the%20Board/Board%20Actions/2024/Annex%20A%20%2822%20Pa.%20Code%20Chapter%204%20Proposed%29.pdf) (PDF)
[Proposed Academic Standards for Career Education and Work](https://www.stateboard.education.pa.gov/Documents/About%20the%20Board/Board%20Actions/2024/PA-CEW-Standards-Proposed%20Rulemaking.pdf) (PDF)
[Proposed Academic Standards for Economics](https://www.stateboard.education.pa.gov/Documents/About%20the%20Board/Board%20Actions/2024/PA-ECON-Standards-Proposed%20Rulemaking.pdf) (PDF)
[Proposed Academic Standards for Family and Consumer Sciences](https://www.stateboard.education.pa.gov/Documents/About%20the%20Board/Board%20Actions/2024/PA-FCS-Standards-Proposed%20Rulemaking.pdf) (PDF)
[Proposed Academic Standards for Personal Finance](https://www.stateboard.education.pa.gov/Documents/About%20the%20Board/Board%20Actions/2024/PA-Personal%20Finance-Standards-Proposed%20Rulemaking.pdf) (PDF)

Addition information can be found at [State Board of Education](https://www.stateboard.education.pa.gov/TheBoard/BoardActions/Pages/default.aspx)

**PDE/DRC**

Access the latest [**Assessment Update Fall Winter 2023**](https://pdesas.org/EduPortal/Home/viewupload/798309)!

****

**Resources and Training Google Site**

The most frequently accessed resource and training materials are now on a

Google site. This site supplements what is already available to you on the DRC

INSIGHT Portal and includes training videos as well as a FAQ section. The site is

located at [**PSA ASSESSMENTS**](https://sites.google.com/datarecognitioncorp.com/psa-assessments/home)orscan the QR code.

**Additional SAS Updates:**

**Updates to SAS Password Requirements**

SAS is rolling out new, heightened password requirements, to stay in line with current industry standards. When you log in, you will be required to update your password to include at least 12 characters and to use both alphabetic and numeric characters.

**Content Advisor Contact Information**

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

Kevin Mauro, Mathematics Curriculum Advisor