# **Math News**

# **March 2022 Special Edition**

**March 14th PI DAY**

Pi Day is celebrated on March 14th (3/14) around the world. Pi (Greek letter “π”) is the symbol used in mathematics to represent a constant — the ratio of the circumference of a circle to its diameter — which is approximately 3.14159. Pi Day is an annual opportunity for math enthusiasts to recite the infinite digits of Pi, talk to their friends about math, and eat pie.

Learn about [Pi Day](https://www.piday.org/).

[21 Pi Day Resources for your Classroom](https://www.pbs.org/education/blog/21-pi-day-resources-for-your-classroom)

**Celebrate Pi (π) Day with Math Artist John Sims Monday, March 14, 2022 • 11:00 a.m.–3:00 p.m.**

Join the 35th annual celebration of our own homegrown holiday! March 14th (3/14) commemorates the irrational, transcendent, and never ending ratio that helps describe circles of all sizes. Watch resident artist John Sims (creator of the [Pi Day Anthem](https://www.youtube.com/watch?v=NsKH5h7j2_o)) showcase his handmade Pi Quilt and perform spoken word poems with poets Kim Schuck and Sylvia Blalock and original music performed by Science Band. Explore math inspired activities and presentations, then join our pi parade and eat a free piece of pie. Come for the STEAM and stay for the slice!

Pi (π) Day Livestream  
Art + Science of Pi  
With John Sims, Kim Shuck, Sylvia Blalock, and Science Band  
12:00–1:30 p.m.  
Bechtel Gallery 3, Wattis Studio  
Free online event—join via [Facebook](https://www.facebook.com/exploratorium) or [YouTube](https://www.youtube.com/user/Exploratorium)

**Cross Curricular (STEM)**

**Center for Disease Control (CDC) Museum Offers Numerous STEM Programs and Resources**The David J. Sencer Centers for Disease Control Museum Public Health Academy (CDCM PHA) is a STEM-based educational program that offers both in-person and online learning experiences, including the 2022 summer in-person [CDC Museum Disease Detective Camp](https://www.cdc.gov/museum/camp/detective/index.htm?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=), and online courses like the [Public Health Academy Online Summer Course](https://www.cdc.gov/museum/education/online-learning/?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=) for high school students. Applications are due **April 1, 2022.**

The CDC Museum also offers:

* [STEM Lessons](https://www.cdc.gov/museum/education/lessons/?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=);
* [Teen Newsletter and live Teen Talks](https://www.cdc.gov/museum/education/newsletter/?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=);
* [CDC Science Teacher Ambassador Fellowship](https://www.cdc.gov/scienceambassador/index.html?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=);
* [Educational activities](https://www.cdc.gov/scienceambassador/educational/index.html?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=) and [Regional trainings](https://www.cdc.gov/scienceambassador/regional-trainings.html?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=); and,
* [Nerd Academy](https://www.cdc.gov/scienceambassador/nerdacademy/index.html?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=), a new [YouTube channel](https://www.youtube.com/watch?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=&v=jetYbJBUNa0).

**Celebrate World Quantum Day**  
[World Quantum Day](https://www.quantum.gov/world-quantum-day/?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=) is **April 14, 2022,** and the [National Quantum Initiative](https://www.quantum.gov/?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=) has developed numerous educator resources for you to use.  The [Q12 Education Partnership](https://q12education.org/about/careers?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=) offers information about Quantum Information Science and Technology [(QIST) careers](https://q12education.org/about/careers?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=), QuanTime [educational activities](https://q12education.org/quantime?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=), and a draft [K-12 learning framework](https://q12education.org/learning-materials/framework?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=).

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| Ocean Literacy**New NOAA Ocean Literacy Resources** [NOAA Ocean Service Education](https://oceanservice.noaa.gov/education/?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=) recently announced several new Ocean Literacy resources:   * [Ocean Literacy Guide](https://oceanservice.noaa.gov/education/literacy/ocean_literacy.pdf?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=), * [The Handbook for Increasing Ocean Literacy](https://aambpublicoceanservice.blob.core.windows.net/oceanserviceprod/education/literacy/Handbook_for_Increasing_Ocean_Literacy_2021-accessible.pdf?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=), * [Ocean Literacy Scope and Sequence for Grades K–12](https://www.marine-ed.org/ocean-literacy/scope-and-sequence?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=), * [Alignment of Ocean Literacy to the Next Generation Science Standards (NGSS)](https://www.marine-ed.org/ocean-literacy/ngss-alignment?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=).   These materials were developed by the [National Marine Educators Association (NMEA)](https://www.marine-ed.org/?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=) with Support from NOAA, the [North American Association for Environmental Education](https://naaee.org/?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=), the [Lawrence Hall of Science](https://www.lawrencehallofscience.org/?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=), [the College of Exploration](https://www.coexploration.org/?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=), and innumerable scientists and educators.  You can access all of these resources as well as the[Climate Literacy Essential Principles in English](https://aambpublicoceanservice.blob.core.windows.net/oceanserviceprod/education/literacy/climate_literacy.pdf?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=) and[in Spanish](https://aambpublicoceanservice.blob.core.windows.net/oceanserviceprod/education/literacy/climate_literacy_highres_spanish.pdf?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=) on the [Ocean Service Education Literacy Resource Page](https://oceanservice.noaa.gov/education/literacy.html?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=). The [NMEA Ocean Literacy Page](https://www.marine-ed.org/ocean-literacy/overview?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=#ocean-literacy-overview) has even more resources and information about Ocean Literacy efforts. |

**PA Department of Education: PSSA and Keystone Assessment Windows**

[PSSA Testing Windows](https://www.education.pa.gov/K-12/Assessment%20and%20Accountability/PSSA/Pages/TestingWindows.aspx)

[Keystone Testing Windows](https://www.education.pa.gov/K-12/Assessment%20and%20Accountability/Keystones/Pages/KeystoneTestingWindow.aspx)

**Struggling with addiction?** [**Help is available**](https://pdesas.org/EduPortal/Home/viewupload/781673)**.**

**Content Advisor Contact Information**

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

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