



# **CPAM Leadership Seminar**

***Developing Mathematical Reasoning K-12***  
***Pam Harris, Texas State University***

**Wednesday, October 25, 2023 / 1:30 PM – 4:30 PM EDT**  
**Room 143AB Convention Center**

Don't miss this opportunity to spend the afternoon prior to the opening of the NCTM Annual Meeting in Washington, DC, with your CPAM colleagues and **Pam Harris**, a well-known K-12 mathematics education consultant, podcaster, author, and speaker. This seminar is the nineteenth in the series of CPAM Leadership Seminars and is made possible by a grant from Texas Instruments. CPAM gratefully acknowledges the support of TI.

Check-in begins at 1:00 PM with the program starting promptly at 1:30 PM EDT. Refreshments will be provided. Visit CPAM's webpage for the seminar at <https://cpam.org/seminar23> for the latest information on this session and for additional copies of the registration form. **Registration for the seminar opens on July 1. Registrations must be received by October 15, 2023.**

***Developing Mathematical Reasoning K-12:*** In this seminar, we will discuss some of the prevalent ideas facing mathematics teachers and leaders today. Why should students (teachers) learn alternative strategies in mathematics? How are strategies different than models or algorithms? What does it mean to produce mathematics based on student strategies? How is answer-getting different than developing reasoning? Math is figure-out-able!

**Dr. Pam Harris** is changing the way we view and teach mathematics. She is a mom, a former high school mathematics teacher, a university lecturer, an author, and a mathematics teacher educator. Real Math is thinking mathematically, not just mimicking what a teacher does. Pam helps leaders and teachers to make the shift that supports students to learn Real Math.

**Registration** can be made by completing the registration form below and mailing it with a check to Denise I. Griffiths, CPAM Leadership Seminar Coordinator. To register **via PayPal**, visit the CPAM Leadership Seminar webpage at <https://cpam.org/seminar23> and follow the directions to complete the online registration form and to pay via PayPal. If you have any questions on registration, contact Denise I. Griffiths at [dgriffit@udel.edu](mailto:dgriffit@udel.edu).

CPAM is offering this session in three formats: in-person in Washington, DC, from 1:30 – 4:30 PM EDT, via Zoom from 1:30 – 4:30 PM EDT, and asynchronously. For the asynchronous version, the registrants will receive an email the Wednesday after the seminar, November 1, with the materials from the seminar including a video of the seminar. The video will be available for personal use for two weeks until November 15, 2023. ***With these three formats, it is very important to indicate on the registration form how you will attend the seminar.***

***Registrations must be received by October 15, 2023.***

**OVER**

**CPAM Leadership Seminar Registration Form**  
**Wednesday, October 25, 2023 / 1:30 PM – 4:30 PM EDT**

**Pam Harris’ session will be open to a limited number of non-awardees to attend as guests of attending CPAM members. A CPAM member may bring only one guest. Both the CPAM member and the guest should register on the same form.**

***Check the appropriate box(es).***

- \$15 . . CPAM member registration fee
- \$45 . . Nonmember registration fee for awardees (includes membership for 7/1/23 – 6/30/24)
- \$45 . . Guest registration fee

**AWARDEE INFORMATION - Please print legibly.**

Name \_\_\_\_\_ First Name/Nickname for Badge \_\_\_\_\_

Year & State of Award \_\_\_\_\_ Circle elementary or secondary.

Circle appropriate grade band:    K-4    5-8    9-12

Personal phone number/area code \_\_\_\_\_

Email address \_\_\_\_\_

- Will attend in DC     Will attend via Zoom     Will participate asynchronously

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**GUEST INFORMATION - Please print legibly.**

Name \_\_\_\_\_ First Name/Nickname for Badge \_\_\_\_\_

Circle appropriate grade band:    K-4    5-8    9-12

Personal phone number/area code \_\_\_\_\_

Email address \_\_\_\_\_

- Will attend in DC     Will attend via Zoom     Will participate asynchronously

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**Registration for the seminar opens on July 1. Please make the check(s) payable to CPAM, Inc. Mail the check(s) and a copy of the completed registration form to**

Denise I. Griffiths	Cell: 302-354-0270
CPAM Leadership Seminar	Fax: 302-475-7971
2705 Marklyn Drive	Email: dgriffit@udel.edu
Wilmington, DE 19810	

Confirmations will be emailed upon receipt of registration. Requests for refunds after the registration deadline, October 15, cannot be honored.

***Registrations must be received by October 15, 2023.***