



# Mathematics Teacher Professional Development Workshop

**February 3, 2024**

Offered by the Cornell University Department of Mathematics as part of MATH 4980/5080, together with the NYS Master Teacher Program & the Teacher Center of Central Westchester

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## AGENDA

**9:00 – 9:15 am**                      **Welcome & Overview**

**9:15 – 10:45 am**                      **Useless & Irrelevant Math**  
Kristin LaBeau (No Limits Learning, LLC))

A survey of US adults think math is the subject in school most in need of an upgrade and many think the way to do this is to make math class more useful and relevant. But is this the main problem with math class? Should this be the problem we all tackle to improve math learning for students?

**10:50 am – 12:05 pm**                      **Mathematics and Origami**  
Nikhil Sahoo (Cornell University)

Using only a fairly straightforward origami construction – the Sonobe module – it is possible for students to create many different three-dimensional figures, with varying levels of complexity. Certain colorations can also elucidate symmetries and create other interesting patterns for students to identify and discuss. In this session, we will discuss how to use these modular origami projects to promote classroom exploration and collaboration.

**12:05 – 12:35 pm**                      **Break & Discussion**

**12:35 – 1:05 pm**                      **Birds-of-a-Feather Session**  
Break-out rooms will be available for same grade / same class discussions.

**1:05 – 2:20 pm**                      **Mathematical Routines**  
Helene Alalouf (educational consultant)

By integrating the Mathematical Language Routines, we can promote students' conceptual understanding, representation, and academic language. Meet the needs of all students, including ENLs and SWDs, through discourse with routines such as Three Reads, Stronger and Clearer Each Time, and Information Gap.

**2:20 – 2:30 pm**                      **Closing**

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<b>Modality</b> virtual	<b>Credit</b> 5½ CTLE hours or Master Teacher credit	<b>Cost</b> free, unless seeking Cornell University credit	<b>Registration &amp; More Information</b> <a href="https://e.math.cornell.edu/classes/math5080/">https://e.math.cornell.edu/classes/math5080/</a> Mary Ann Huntley (huntley@math.cornell.edu)
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