

2019 Math+Literacy Summer Institute

Engaging Students in the Processes of Math and Literacy

July 24-25, 2019 9:00am-3:00pm
Charlottesville, VA



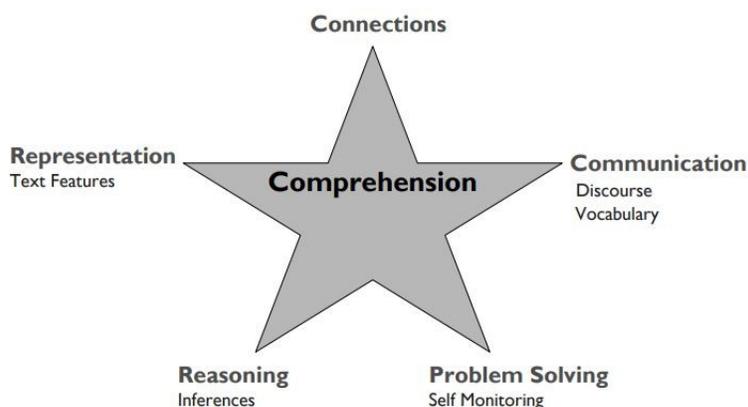
Kateri Thunder, Ph.D. is a PreK teacher in an inclusive early childhood classroom, the division-level elementary math lead, and an adjunct professor. Kateri has written two books with John Hattie in the Visible Learning for Mathematics series. Previously, Kateri was an assistant professor of mathematics education at James Madison University, the Site Director of the Central Virginia Writing Project, and a math specialist.



Alisha Demchak, M.Ed. is a kindergarten teacher in an inclusive classroom, the division-level elementary literacy lead teacher and a doctoral student in Reading Education at UVA. Previously, Alisha served as an instructional coach and a reading specialist and worked at a reading diagnostic center.

Five processes engage students in making sense of texts and problems. These five processes are parallel across mathematics and literacy: communication, representation, connection, problem solving, and reasoning. At the core of these is comprehension; our goal is for students to understand or make meaning. The five processes empower students to transfer their learning to the new and unknown.

At the 2019 Math+Literacy Summer Institute, we will examine what each process is, why each process is significant to learning in both mathematics and literacy, and the evidence-based practices for engaging students in these five processes.



Participants will:

- *unpack evidence-based strategies to explicitly teach mathematical vocabulary and vocabulary in text as well as strategies to engage students in academic discourse.*
- *experience the Concrete-Representational-Abstract (CRA) trajectory in order to problem solve with meaning and apply this trajectory to make sense of representations in literacy, such as text features.*
- *investigate comprehension strategies across mathematics and literacy, including making predictions, asking questions, visualizing and summarizing.*
- *identify ways to facilitate meaningful connections that build on prior knowledge and support transfer to new contexts.*
- *engage in strategies for teaching students to reason quantitatively, to draw inferences, and to make conjectures.*
- *explore strategies to engage students in monitoring their own progress, making adjustments, and evaluating the reasonableness of their ideas as they solve problems.*

More Information At:

<http://www.mathplusliteracy.com/2019-mathliteracy-summer-institute/>