

# THE ETHNOMATHEMATICS IN ALL CLASSROOMS WORKSHOP

**SATURDAY, MARCH 16, 2019**

**BEMIDJI HIGH SCHOOL, LUMBERJACK ROOM / BEMIDJI, MN**

*Theme: Empowering Strategies To Integrate Ethnomathematics Into All Classrooms*

The interactive and engaging workshop encourages the development of strategies and programs that integrate ethnomathematics into the elementary, middle school and high school curriculum. Ethnomathematics is real-world problem solving that is culturally relevant through the integration of indigenous wisdom and contemporary learning. Aligned with standards, the program will develop teachers to discover multiple ways to connect classrooms with project-based and place-based experiences.

The audience includes all who have a professional interest in the math-specific academic development of all students but not limited to elementary to high school core and allied arts and STEAM teachers, administrators and principals, curriculum specialists and directors of instruction, education directors, and college and university students and faculty.

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**8:00-8:20 am** / Check-In, BHS Lumberjack Room

**8:25 am** / Welcome

**8:30-10:20 am** / **General Assembly**

“Anishinaabe Algorithms: Quilting With Geometric Transforms in Creative Design,” *Andrey Bennett and Ronald Eglash, University of Michigan*

**10:30 am-12:20 pm** / **General Assembly**

“Anishinaabe Algorithms: Ethnocomputing With Parabola’s in Wigwams, Snowsnake Algebra, and Ecological Modeling,” *Audrey Bennett and Ronald Eglash, University of Michigan*

**12:30-1:20 pm** / Lunch On Site

**1:30-5:25 pm** / **Educators Grade Level Strand Sessions:**

**Elementary Educators Strand, Breakout Room A:** “Exploring Math Cultures in the Classroom,” *Molly Tun, MA, College of Liberal Arts, University of Minnesota*

**Middle School Educators Strand, Breakout Room B:** “Math Is A Verb! Activities From Cultures Throughout the World,” *Jim Barta, Dean, College of Arts, Education, and Humanities, Bemidji State University*

**High School Educators Strand, Lumberjack Room:** “Bringing Cultural Mathematics Into the High School Classroom,” *Thomas Gilsdorf, Professor, Department of Mathematics, Central Michigan University*

**5:30 pm** / Closing

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**Note:** Request session descriptions from [coach.danninham@gmail.com](mailto:coach.danninham@gmail.com)

**Registration Procedures:** Registration includes emailed materials and professional development certificate as well as on site lunch and refreshment breaks. The pre-registration deadline is March 13, 2019. The pre-registration fee is \$99. The on day of registration fee is \$115. The college student rate is \$66 and pre-registered only.

**Mail a sheet of paper with the following information in order:** registrants name, institution, professional title, mailing address, email address and cell number, event name with the fee in a check payable to EYDI and send to Dan Ninham, PO Box 351, Bemidji, MN, 56619. Information: 218.368.6430 or [coach.danninham@gmail.com](mailto:coach.danninham@gmail.com)