

94. 3 - 5 **Problem Solving: One Component of a** **Grand A**
Balanced Math Program

This session will provide hands on practice with problem solving. Alignment to shifts, math practices, and CCLS (math/ELA) will be referenced throughout the workshop.

Steve Graser **Erie 1 BOCES**
Andrea Tamarzio

Session 1:30-2:30

95. K - 2, 3 - 5, **Targeted Adaptive Math Practice** **Grand E**
6 - 8, 9 - 12 **With Mathletics**

3P Learning / Mathletics is an online educational publisher with award winning & engaging math, literacy and science programs and host of the annual World Education Games.

Andre Corona **Mathletics/3P Learning**

Computer Lab 1:45-3:00

96. 6 - 8, 9 - 12 **Floating Midpoints** **Grand B**

Using GSP to create graphs such as roses and cardioids from circles and lines. Making polar graphs accessible to all, using nothing beyond basic geometry.

David Van Leeuwen **Retired**

Session 2:00-3:00

97. 9 - 12, G **NASA , NSIDC, NASCAR** **Fountain**

Solving problems in context. Let's answer the question "when will I ever use this?" Great sources to get yourself started! Ice project is cool. STEM.

Ellen Falk **North Salem Middle High School**

Workshops 2:00-3:15

98. 3 - 5, 6 - 8 **Meeting the Standards for Mathematical** **Michigan**
Practice with a Student Math Conference

Minimize the alphabet soup of SLOs, APPRs, PARCC, CCLS and maximize great mathematics learning. In this session, many rich problems and one fantastic idea.

Jim Matthews **Siena College**
Christina Andromidas
Janice Balogh