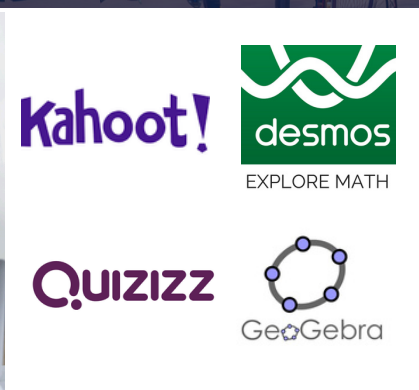
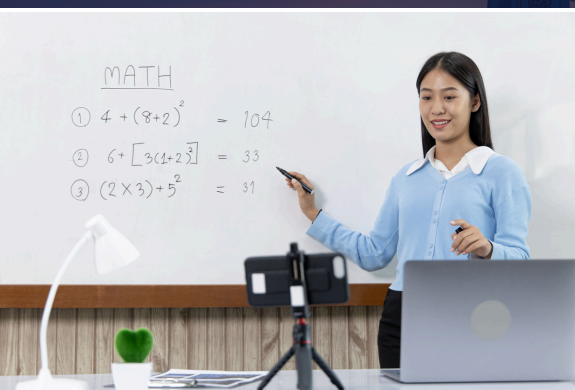


# PROFESSIONAL TRAINING

## The Modern Math Teacher – Pedagogy, Technology, Student Engagement

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### 1 OR 2 DAYS: THE MODERN MATH TEACHER

Topic	Description
Deepening Math Pedagogy	<ul style="list-style-type: none"> <li>Principles of effective math instruction</li> <li>Conceptual understanding vs procedural fluency</li> <li>Growth mindset in math learning</li> </ul>
Strategies for Student Engagement	<ul style="list-style-type: none"> <li>Math talk and academic discourse</li> <li>Real-world connections in math</li> <li>Collaborative and inquiry-based learning</li> </ul> <p><u>Activity:</u> 1) Analyze sample lessons for engagement techniques 2) Design a short lesson using engagement strategies</p>
Integrating Technology Effectively	<ul style="list-style-type: none"> <li>Tools: Desmos, GeoGebra, Pear Deck, Jamboard, PhET</li> <li>Technology formative assessment (Kahoot, Quizziz, Edpuzzle)</li> <li>Managing tech in different learning environments</li> <li><u>Activity:</u> Hands-on stations exploring 3 tools</li> </ul>
Blended & Flipped Learning in Math	<ul style="list-style-type: none"> <li>Flipped classroom strategies</li> <li>Using video &amp; multimedia for instruction</li> <li>Balancing digital and hands-on learning</li> </ul> <p><u>Activity:</u> 1) Explore teacher-created math videos 2) Redesign/ create lesson using pedagogy + engagement + tech</p>



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