

## STRAND E

# Transforming Teaching and Learning Using Technology

Forum 1	Forum 2	Forum 3	<b>Promising Practices Breakout Session</b>
	222		<p><b>Building an Online Learning Community</b></p> <p><b>Facilitator:</b> Karen Dwyer, <i>Program Manager and Supervisor, Office of the Chief Technology Officer, Montgomery County Public Schools</i></p> <p><b>Presenters:</b> Terry Cepaitis, <i>Director, Curriculum Projects, Grading and Reporting, and Digital Curriculum, Office of Curriculum and Instructional Programs, Montgomery County Public Schools</i> Carrie Booth, <i>Technology Specialist, Office of Organizational Development, Montgomery County Public Schools</i> Margie Gaudino, <i>Technology Consultant, Office of Organizational Development, Montgomery County Public Schools</i> David Kreisberg, <i>Technology Specialist, Office of Organizational Development, Montgomery County Public Schools</i> Andrew Miller, <i>Assistant to the Associate Superintendent, Office of Organizational Development, Montgomery County Public Schools</i> Vivian Rosskamm, <i>Instructional Specialist, Office of Curriculum and Instructional Programs, Montgomery County Public Schools</i></p> <p>Come hear about the vision for the Online Learning Community under development in Montgomery County Public Schools (MCPS). The cross-functional project team will share plans to create an environment for a 21st century learning community—beginning with resources and tools for teachers and eventually with resources for students and parents. This environment will be based on establishing a dynamic community for collaboration and learning and sharing best practices. Users will be able to access MCPS curriculum and professional development resources as well as lessons and resources created and shared by peers. You will see a model of the proposed design and hear about future plans.</p>
210			<p><b>The New Math – Interactive, Engaging, Collaborative – and Taught Using the Promethean Board</b></p> <p><b>Facilitator:</b> Karen Roberts, <i>Acting Supervisor Pre-K – 12 Mathematics, Department of Curriculum and Instruction, Montgomery County Public Schools</i></p> <p><b>Presenters:</b> Stephanie Ames, <i>High School Math Instructional Specialist, Montgomery County Public Schools</i> Heather Jones, <i>Middle School Math Instructional Specialist, Montgomery County Public Schools</i> Jennifer Roy, <i>Elementary/Middle School Math Instructional Specialist, Montgomery County Public Schools</i></p> <p>In this session participants will explore using Promethean technology to transform teaching and learning in the mathematics classroom. This interactive session will provide examples of flipcharts created to support the MCPS Mathematics curriculum. These flipcharts model strategies and techniques for engaging students in interactive lessons and providing opportunities for mathematical discourse. This session also will include suggestions for building collaborative planning structures for teachers. Collaborative planning with Promethean technology enhances teacher to teacher discourse as content and technology are discussed and skills are developed. While the strategies discussed in this session are applicable to all subject areas, they will be presented using mathematics examples from the middle school and high school curriculum.</p>
		225	<p><b>eLearning: 21<sup>st</sup> Century Learning for 21<sup>st</sup> Century Learners</b></p> <p><b>Facilitator:</b> Sean Bulson, <i>Director of School Performance, Montgomery County Public Schools</i></p>

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			<p><b>Presenter:</b> Richard Jolles, <i>Coordinator, eLearning, Montgomery County Public Schools</i></p> <p>School systems and universities around the world are using online learning to meet the needs of their diverse student populations. In this session, we will discuss eLearning in Montgomery County Public Schools. The session will highlight the current state of online learning, the learning opportunities available for students and teachers, and mentoring/facilitating opportunities available for teachers.</p>
		208	<p><b>Critical Thinking:</b> <b>Making Learning in <u>High School</u> and <u>College</u> a Transformative Experience</b></p> <p><b>Facilitator:</b> Ursula Hermann, <i>Community Superintendent, Montgomery County Public Schools</i> Betty Strubel, <i>Director of School Performance, Montgomery County Public Schools</i></p> <p><b>Presenter:</b> Garfield Gini-Newman, <i>Senior Trainer, The Critical Thinking Consortium and Professor, University of Toronto, Canada</i></p> <p>How can high school and college educators use critically inquiry and technology to nurture thinking and assessment in a critically thoughtful classroom? What intellectual tools are required to promote quality thinking? Transformative education requires that educators frame learning around provocative issues or powerful challenges that engage students in meaningful interaction with the concepts to be learned. This session will demonstrate how critical inquiry can be used to create a thoughtful classroom, support differentiated learning with a focus on asking powerful questions, and develop intellectual tools for thinking. It will address the use of technology, e.g. interactive whiteboards, to both teach critical thinking and assess student progress.</p>
	208		<p><b>Critical Thinking:</b> <b>Making Learning in <u>Elementary</u> and <u>Middle School</u> a Transformative Experience</b></p> <p><b>Facilitator:</b> Ursula Hermann, <i>Community Superintendent, Montgomery County Public Schools</i> Betty Strubel, <i>Director of School Performance, Montgomery County Public Schools</i></p> <p><b>Presenter:</b> Garfield Gini-Newman, <i>Senior Trainer, The Critical Thinking Consortium and Professor, University of Toronto, Canada</i></p> <p>How can elementary and middle school educators use critically inquiry and technology to nurture thinking and assessment in a critically thoughtful classroom? What intellectual tools are required to promote quality thinking? Transformative education requires that educators frame learning around provocative issues or powerful challenges that engage students in meaningful interaction with the concepts to be learned. This session will demonstrate how critical inquiry can be used to create a thoughtful classroom, support differentiated learning with a focus on asking powerful questions, and develop intellectual tools for thinking. It will address the use of technology, e.g. interactive whiteboards.</p>