

**School District of Clayton Visioning Committee  
Preparing to Set the Vision, Mission, and Guiding Principles  
Panel Discussion**

**March 27, 2012**

**21<sup>st</sup> Century Learning**

**Tim Magner, Executive Director, Partnership for 21<sup>st</sup> Century Skills**

Tim Magner currently serves as the Executive Director for the Partnership for 21st Century Skills, the leading national organization that advocates for 21st century readiness for every student. Mr. Magner oversees this coalition of education, business, community and government leaders, which provides tools and resources to help transform the U.S. education system by fusing the mastery of core content with the four Cs (critical thinking and problem solving, communication, collaboration, and creativity and innovation). Mr. Magner has had an extensive career in education, serving most recently as the Vice President of Keystone for KC Distance Learning (KCDL) as well as the Director of the Office of Educational Technology for the U.S. Department of Education. Mr. Magner holds a Master's Degree in Education from Harvard University and is currently pursuing a Doctorate of Organizational Leadership from Pepperdine University.

Resources:

P21 Framework for 21<sup>st</sup> Century Learning

[http://www.p21.org/storage/documents/1.\\_p21\\_framework\\_2-pager.pdf](http://www.p21.org/storage/documents/1._p21_framework_2-pager.pdf)

American management Association 2010 Critical Skills Survey

<http://www.p21.org/storage/documents/Critical%20Skills%20Survey%20Executive%20Summary.pdf>

Above and Beyond: The Story of the 4 C's

<http://www.p21.org/tools-and-resources/above-aamp-beyond-animation>

**STEM (Science, Technology, Engineering, and Mathematics)**

**John Van Emden, Consultant, Daugherty Business Solutions**

John Van Emden was involved with facilitating the creation of a St. Louis Regional STEM Coalition that included Washington University, University of Missouri (Columbia & STL), SIUE, Saint Louis Science Center, Zoo, Boeing, Monsanto and others. As part of that project, he completed substantial research on STEM demographics from Kindergarten through workforce. Mr. Van Emden recently sat on a similar panel discussion at MICDS to present the research and work of the Coalition.

Resource:

Increasing the Number of STEM Graduates: Insights from the U. S. STEM Education and Modeling Project

[www.bhef.com/solutions/documents/BHEF\\_STEM\\_Report.pdf](http://www.bhef.com/solutions/documents/BHEF_STEM_Report.pdf)

**World Class Education**

**Dottie Barbeau, Assistant Superintendent of Teaching and Learning, School District of Clayton**

Dottie Barbeau recently lead the School District of Clayton through an extensive review of the content area of mathematics, answering the Board of Education directed question "What is the best mathematics curriculum design and program today, determined from a world class perspective?" In order to answer the question, the Mathematics Committee first had to determine what *exactly* it means to be "world class" and launched into a year-long study of research. Following the work of McKinsey & Co. and Sir William Barber as they defined a continuum of stages of performance and building blocks of world class school systems, the Committee was able to determine strengths and recommendations for improvement for Clayton, and helped lay groundwork for a broader roadmap toward a world class education for all Clayton students, across all content areas and programs.

Resources:

How the World's Most Improved School Systems Keep Getting Better

<http://mckinseysociety.com/how-the-worlds-most-improved-school-systems-keep-getting-better/>

Shaping the Future: How Good Educations Systems Can Become Great in the Decade Ahead

[www.mckinsey.com/locations/.../Education\\_Roundtable.pdf](http://www.mckinsey.com/locations/.../Education_Roundtable.pdf)