



Building STEM Infrastructure Across your State, District, or Region



Ann McMahon

Executive Director of Research Strategy for Broad Impact
University of Washington Bothell

Dr. Ann McMahon is the Executive Director of Research Strategy for Broad Impact at the University of Washington - Bothell. She is dedicated to inspiring science, technology, engineering, and mathematics (STEM) learning from cradle to career and beyond. Ann is the former Vice President of Science and Education at Pacific Science Center and, in that role, co-directed Washington State LASER. A satellite engineer for McDonnell Douglas in St. Louis (now The Boeing Company) for ten years prior to her career in science education, Ann taught preschool and elementary school science and worked as a professional development provider of K-12 inquiry-based science and engineering practices. Ann led an NSF-funded Local Systemic Change Initiative in a suburban St. Louis school district. For fifteen years, she taught physics and astronomy to in-service K-8 teachers at Washington University in St. Louis. Since 2003, Ann has served on the national faculty of the Smithsonian Science Education Center's LASER Program. Ann's doctoral research bridges the K-12 education and professional engineering communities of practice. Her 2015 TEDxSnolsleLibraries talk addresses the healing power of engineering education for disadvantaged students. Ann holds BS and MS degrees in mechanical engineering and a PhD in science education.



Bruce Middleton

Bruce Middleton is a native North Carolinian who received his undergraduate and Masters degree in Science Teaching from the UNC-Chapel Hill. Bruce taught high school science for 15 years in leaving the classroom only to take a position as Lead Teacher for Curriculum and Instruction. It was in this position that interest in instructional technology emerged bringing about a temporary exodus from public education to work as a Systems Support Engineer with Apple Computer. Bruce returned to public schools as Executive Director of Media and Technology in Alamance County, NC. In recognition of his program development and implementation, he received the Apple Distinguished Educator Award in 2001. In 2004, Bruce revisited his love of curriculum and instruction as Math Science Director in Orange County, NC with a focus on inquiry-based



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instruction in K-12 science and mathematics. Since retirement in 2010 he continues to assist school districts with the STEM program planning and support. Bruce has attended several SSEC Strategic Planning Institutes as facilitator and faculty including one in 2016 that connected him with the school districts of the STEM East Network. He has since served as the Executive Director of STEM East working with regional STEM planning efforts and providing leadership as a member of the national STEM Ecosystem Project. The Network works to connect regional STEM education programs with regional employers and economic development efforts.