

ENVISION

Jan Morrison

Executive Director, Envision Excellence in STEM Education (501©3)

President, TIES (Teaching Institute for Excellence in STEM)

Jan currently serves as a consultant to the U.S. Department of Education and the White House on matters related to STEM education and innovative education reform. Her work was instrumental in the development of the *Race To The Top* and *Innovate to Educate* programs launched by DOE in 2010. On the state and local level she is currently advising Arizona, California, Maryland, New Mexico, New York, North Carolina, Ohio and Washington as they craft their vision for STEM education.

Jan provides guidance to major philanthropies and leaders in business and industry as they seek productive engagement opportunities with the educational system. Current national engagements include; Executive Directive for *Designing Excellence in Education (DEE)* which was founded with financial support from the Carnegie Corporation of New York, Senior Consultant for STEM Education for the Bill & Melinda Gates Foundation, NASA STEM education initiatives, Battelle Memorial Institute, the Philanthropy Roundtable, the National Governors Association, Innovate-Educate Mexico, the National Association for College Admission Counseling, the Lemelson Center at the Smithsonian and the National Academy of Engineering as it developed the SEEK-16 project.

She also serves on the task force designing the national engineering education standards and is a co-contributor in the national task force investigating the efficacy of AP engineering and pre-engineering. Jan also acts as STEM advisor to General Electric, Intel, The Carnegie Foundation, Siemens and Chevron among others. Her work with these partners includes organizing regional and national convenings, speaking at industry conferences and customized briefings for senior management and community outreach staff. Her most recent focus has been building capacity within the energy sector to facilitate teacher training in cutting edge and emerging technologies to ensure current students are exposed to these vital career paths so the future U.S. workforce pipeline is filled with well trained STEM professionals ready to address our growing energy needs.

Jan is also in great demand as a speaker on STEM education; project based learning, teacher training and curriculum development and speaks at academic and industry conferences several times each month.

Jan holds a bachelor's degree in biology from the University of Rochester; a master's in administration from George Washington University and was an electron microscopy research associate at Georgetown University. Her work designing and implementing STEM curriculum and instructional programs in schools across the nation spans over thirty years. She is driven by her belief that although many children in our country are underexposed to the dynamic STEM fields, they will—given the chance—find

themselves drawn to science and the technical fields if they are challenged and provided with outstanding teaching. Jan and TIES seeks to bring outstanding professional development to all teachers and rigorous and engaging STEM curriculum to all students in the United States.

Marc Siciliano

Senior STEM Consultant

Marc has been involved in STEM education for the past 13 years and is currently the lead STEM consultant on the North Carolina STEM Schools and the Empire State STEM Initiative in New York State and provides support on National STEM programs including the U.S. Department of Education and White House education reform initiatives, “Race to the Top” and “Innovate to Educate”.

Marc has worked as a teacher, curriculum developer, instructional coach and school administrator. He has worked in the Chicago Public Schools as a biology and environmental science teacher and the founding director of a Math, Science and Technology Academy there as well as the science director for The Young Women’s Leadership Charter School of Chicago.

Additionally he also worked in New York City Schools as the science director for a campus of small public high schools in the Bronx where he coordinated science curriculum and instruction and supported school leaders design of their professional development programs. He was named the science coach for the Institute for Student Achievement, an educational intermediary that supports small school development in seven states and multiple Lead Educational Agencies (LEA) and he has worked on two National Science Foundation curriculum development projects with the Lawrence Hall of Science and Northwestern University.

Marc currently lives in Baltimore, MD and is the founder of EdLinc, an education-consulting group that partners with foundations, LEAs, Educational Management Organizations (EMO) and other consulting groups to provide instructional support, technical assistance and policy analysis in STEM education. Marc holds a bachelor’s degree in biology from North Park University and a master’s degree in educational leadership from Northeastern Illinois University. He was also an education policy fellow at Teachers College, Columbia University.