

How the Arts Can Contribute to the Advancement of Science, Technology, Engineering and Mathematics (STEM) Workforce Skills and Professional Development

A special program at the National Science Foundation for NSF staff and invited guests.

When: On Wednesday November 8, from 4:00pm - 6:00pm

Where: Room 880, National Science Foundation. Entrance at corner of Stuart and 9th Streets, Arlington, VA.

What: An interactive exploration of ways in which artistic processes, skills and experiences can help students and professionals learn, discover and be innovative critical thinkers in STEM fields.

Agenda

4:00 - 4:30: Overview of the topic.

4:30 - 5:30: An experiential learning - in - action program -- a "metaphorming" workshop in which participants will collaboratively create multi-dimensional symbolic models around the focal question, "How can the arts help develop creative and critical thinking skills necessary for a 21st Century STEM workforce?" This process will draw on the many senses and intelligences of the participants to help everyone to visualize, express and present ideas, viewpoints, knowledge and experiences. The workshop will be facilitated by Dr. Todd Siler, inventor of the [Think Like a Genius](#) Process and Harvey Seifter, founder and director of Creativity Connection.

5:30 - 6:00: Panel discussion and Q/A, with Todd and Harvey joined by Liz Lerman, Founding Artistic Director of [Liz Lerman Dance Exchange](#), for a discussion about the application of arts-based learning to scientific inquiry and science education.