The SCITEC Network is a collaborative effort of education, government, business and non-profits focused on improving engineering education at the high school level (currently). Funded by three Math Science Partnerships and supported by the partners displayed on this page, teachers in 15 Maine high schools and Career and Technical Education centers (CTE) have spent over three years learning the engineering design process (EDP). More recently we have switched our focus to learning strategies for teaching students the EDP. While we have learned a lot, there is much more to learn! The work is exciting because we see how engaging and transformative the classroom/lab becomes as students problem solve design challenges. We see students realizing that engineering solutions to problems requires applying the math, science and technology they are learning. We also see students struggle with fundamental engineering habits of mind, suggesting paradigm shifts in how we teach. We are here this conference to share some of what we are learning and to provide an example of classroom activities taking place.

For more information visit www.mmsa.org