

The Global Technology & Engineering Consortium (GTEC) is developing a model for educating students, K-12 and higher education, to succeed in a *flat* and *diverse globe*. The intent is to produce 21st century global workforce members who can be effective in and with other countries/cultures through training and collaboration with business and industry to solve the problems urgently confronting the world's populations.

GTEC's current partners/participants are Franklin Olin College of Engineering (Needham, MA), Keele University and Staffordshire University (UK), Parametric Technology Corporation, Needham (MA) and Manchester (UK), KMA Diversity & Connecting the Differences Consultants, IL, Davis Square Research Associates, Somerville, MA, November Learning, Marblehead, MA, Nesson Media, Boston, MassCUE and IKZ Advisors, LLC.

The pilot is currently being tested at The Spirit of Knowledge Charter School in Worcester and Haywood City Learning Center (UK) in conjunction with Newburyport High School, Newburyport, MA.

At the end of the program we expect students to be able to develop/implement/ manage projects effectively across cultures, understand how to engage in science and engineering work in other cultures, be able to model global engineering/technology teamwork roles, relationships and communication skills used by business partners, acquire and use the necessary technical competencies for successful completion of the engineering projects, exhibit research, communication, data collection and processing, and presentation skills, develop creativity, inquiry, high-level thinking as well as problem-solving, design and life-long learning skills and be able to use advanced communication technology for global engineering/ technology/science projects.

The GTEC Leadership Team includes Larisa Schelkin, Founder; Annamaria Schrimpf, President, MassCUE; Julia Sigalovsky, Founder and CEO, The Spirit of Knowledge Charter School; Yevgeniya V. Zastavker, Professor, Olin College of Engineering and Isa Kaftal Zimmerman, Principal, IKZ Advisors, LLC.

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