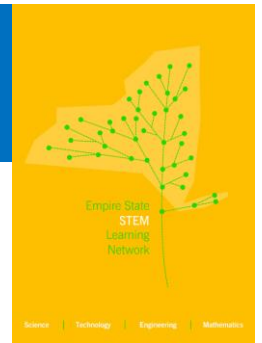


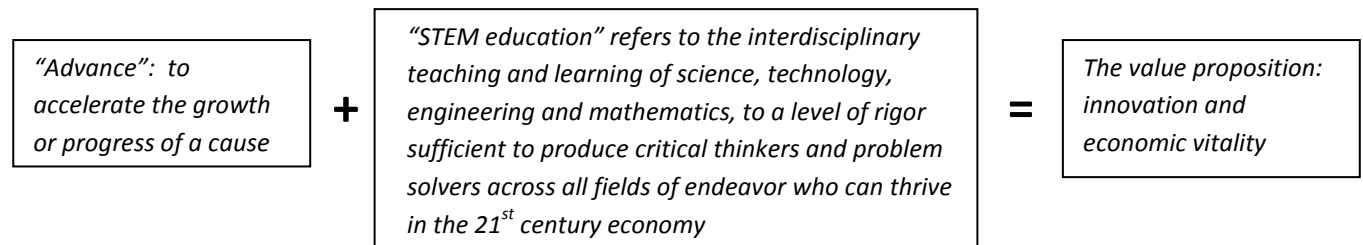
# Empire State STEM Learning Network

*Connect, Collaborate, Compete*



Empire STEM is a statewide, community-led collaborative.

The Network mission is to advance STEM education to prepare *all* students – regardless of their career goals – for college and career success, to fuel innovation and economic vitality in the Empire State:



The Network’s **vision** provides a roadmap for communities to accelerate the way they learn and compete by leveraging assets, expertise and partnerships:

- Advocate for **POLICIES** that advance interdisciplinary, inquiry-based, contextual teaching and learning
- Contribute to **PORTFOLIOS** of effective and/or promising STEM practices and programs
- Establish **PLATFORMS** for innovative STEM teaching through proven or promising school models
- Develop public / private **PARTNERSHIPS** that engage diverse stakeholders over the long term

The Network’s **design principles** represent common beliefs held by stakeholders across the state:

1. **STEM FOR ALL**: All students must attain STEM literacy for the Empire State to thrive in the 21<sup>st</sup> century
2. **SYSTEMIC MODEL**: A systemic, interdisciplinary approach to STEM teaching and learning is required to prepare the “whole” student for success in work and life
3. **EVIDENCE-BASED APPROACH**: Effective STEM education must leverage existing assets and embrace new models that reflect real world context, interests and needs of students, teachers, and their communities
4. **OPEN COLLABORATIVE INNOVATION**: Innovative STEM education policies, processes and programs must be both scalable and sustainable
5. **COMMITTED STAKEHOLDERS**: Business, PK-20 education, students, parents, community organizations, foundations and government must engage steadfastly, openly, and with ingenuity across a broad spectrum of interests, expertise and capacities to achieve STEM excellence

**NETWORK FORMATION STATUS**: Communities are mobilizing to form interconnected regional STEM hubs across the state with goals relevant to local needs, capacities and priorities that are aligned to the Network’s mission, vision and design principles. STEM hub initiatives are included in several of the November, 2011 Regional Economic Development Council strategic plans. Empire STEM’s statewide office is based in the State University of New York (SUNY) Office of the Education Pipeline in partnership with Battelle.

**CHANGE THE EQUATION**: CTEq members involved in the network at the statewide level include AT&T, Battelle, Bill & Melinda Gates Foundation, Cisco, Corning Incorporated, Ford, IBM, and Siemens. GE, Lockheed Martin Corp., Time Warner Cable and others support regional STEM initiatives.

**WEB SITE**: [www.empirestem.org](http://www.empirestem.org)

