



# GSTEM

**The Global Education Center, Inc.**

*A division of*



*DOME Foundation*  
Diversity and Outreach in Mathematics and Engineering

***Northampton Public Schools, MA***  
***August 29, 2016***

**Welcome to GSTEM**

**and to the Northampton Public Schools  
professional learning session about Global  
STEM Education**

# **The Reasons**

- **Students need to be educated about the importance of Global STEM in MA and the US**
- **Educators must understand the challenges of preparing students for the 21<sup>st</sup> century innovation-driven, globally competitive workforce**

# My perspective is derived from:

- Teaching in junior high school on a team
- Being an assistant and high school principal
- Being an assistant superintendent and superintendent in three districts
- Teaching and administering at the University level
- Convening the MASS Technology Task Force to promote the use of technology for teaching/learning and productivity in K-12 schools
- Co-authoring *The Complete Step-By-Step Guide to Designing and Teaching Online Courses, TCP*
- Organizing summits and conferences

# Why is GSTEM important?

- **Preparing students for their future not ours...although the future is now\***
  - **The world is changing drastically and students need to be prepared to deal with:**
    - **Social and political upheaval**
    - **Evolving technology**
    - **Changing mores and populations patterns**
- *\*Thank you, David Thornburg*

# **This is an example of what/how the program operates across boundaries & time zones**

- **From my 8<sup>th</sup> floor window I can see Fenway Park, the Prudential Center, downtown Boston skyscrapers, the Zakim Bridge and Cambridge**
- **Travel in Kenmore Square on home game days and nights is a challenge**
- **Time is precious, even with cars which think they are smarter than we are, we still have to pay attention to the road**

## **You are in the first class of school districts**

- **to get the “cohort treatment”**
- **until now we have been concentrating on one teacher/class at a time**
- **like your Superintendent, we envision a school district adoption...if were still in the position, that is what I would do**

# **Now the founder and CEO of the Global STEM Education Center**

- will take charge of your education...for the next few days!**
- Are there any questions? If you have any of me later, please let Larisa know so she can ask me.**



**Or you can reach me directly at**

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