

# Springfield High School of Science and Technology

1250 State Street, Springfield, MA 01109

Ira Brown, Principal

## STEM 21 Academies

To meet the increasing demands of the 21<sup>st</sup> century for a technologically skilled, highly qualified work force, Sci-Tech will provide opportunities for students to learn about and work in the highly technical “STEM” fields—**Science, Technology, Engineering and Mathematics**. Students will enter into courses of study in one of our STEM related academies:

- ◆ Biomedical Science, Biotechnology and Forensics
- ◆ Information Technology and Film/Media Technology
- ◆ Engineering
- ◆ Math and Finance

### *Hands-On Learning in State of The Art Learning Labs:*

Sci-Tech is investing in the future of our students using Magnet grant monies to provide the most up to date equipment available, including a professional-level forensics lab to support student investigations; a fully equipped engineering and robotics lab that will enable students to design and engineer competition quality products, and enter in regional and perhaps even national competitions. Students interested in film and media will be able to produce their own videos in our in-house TV Production studio. All of this translates to real experience and exposure to future career paths.

### *Teacher Training Lab:*

Sci-Tech will serve as the SPS Teacher Training Lab for math, science, technology and engineering. Experts in the STEM fields—including district teachers and university partners—will coach and mentor Springfield teachers and offer mini-courses aimed both at preparing Sci-Tech students for success in college and at creating the highest quality teaching and learning at Sci-Tech. This translates into a high school education for your child that is unparalleled in this district, and a background that will enable students to proceed to college or the workforce prepared and excited about their futures.

### *“Real World” Exposure and Experience:*

Sci-Tech students and teachers will work side by side, both at school and in the field, with experts from the local business community, notably:

- ◆ MassMutual Financial Group,
- ◆ Baystate Medical Center
- ◆ Pioneer Valley Life Sciences Institute
- ◆ World is Our Classroom

