



STEM Summit V: *Implementing the Plan*

Preparing Massachusetts students for careers in
science, technology, engineering and mathematics

The MA Readiness Project's STEM recommendations
for schools, children and educators from the Governor's Agenda:

- Leverage information technology to support innovations in teaching and learning.
- Improve teaching in science, technology, engineering and math disciplines by strengthening content knowledge and teaching strategies.
- Close the home-family technology gap by establishing a state framework for low-cost, district-driven, home-computer lease programs.
- Provide incentives for information technology partnerships to improve teaching and learning, education administration and management, or the delivery of education services and support.
- Annually increase the investment in and availability of dual enrollment opportunities for all students. We will focus initially on first-generation college-goers, students interested in science, technology, engineering and mathematics disciplines, and concurrent enrollment programs for students with special needs.
- Leverage information technology to expand student access to courses, content and credit by establishing Mass Online University and Mass Virtual High School.
- Strengthen the connections among the Commonwealth's education and economic development
- Accelerate the entry of highly qualified teachers into public schools, particularly in high-needs districts and high-priority disciplines such as science, technology, engineering and math.

Specific related recommendations

- Establish differentiated pay for qualifying teachers in high-needs districts and schools, in high-demand disciplines, and for those who possess highly needed, extraordinary skills and knowledge, or who volunteer for particularly challenging responsibilities
- Establish the Readiness Science and Math Teaching Fellowship Program to increase the Commonwealth's supply of qualified math and science teachers.

For the full report/agenda go to: <http://www.mass.gov/Eeoe/docs/ma-edplan-finalrev1.pdf>