



New York State Education Department

NY ECLIPSE

New **Y**ork **E**nhancing **C**ollaborative
Leadership for **I**mproved **P**erformance
in **S**cience **E**ducation

National & International Context

- The scientific and technological foundations to our economic leadership are eroding when those of other nations are gathering strength. Source: “Rising Above the Gathering Storm” (National Academies, 2005)
- The U.S. is last in the world in terms of international comparisons of student performance in science. Source: Third International Mathematics and Science Study (TIMSS, 2004)

NYSED Science Initiative

Mission:

Create a statewide learning community to support student achievement of the learning standards in science, leading to a scientifically literate population.

NYSED

Science Initiative

Vision:

Ensure the learning of science for all PreK-12 students by providing equitable access to exemplary teachers, inquiry-centered curriculum and instruction, standards-based assessments, and a wealth of resources and community support.

NYSED

Goals of the Science Initiative

- Improve student achievement in science
- Elevate the importance of science education
- Provide leadership and assistance in science education reform
- Enhance professional development for teachers
- Encourage community members to build capacity

State Science Initiative

➤ New York State Science Initiative

<http://www.emsc.nysed.gov/ciai/mst/sciinit.doc>

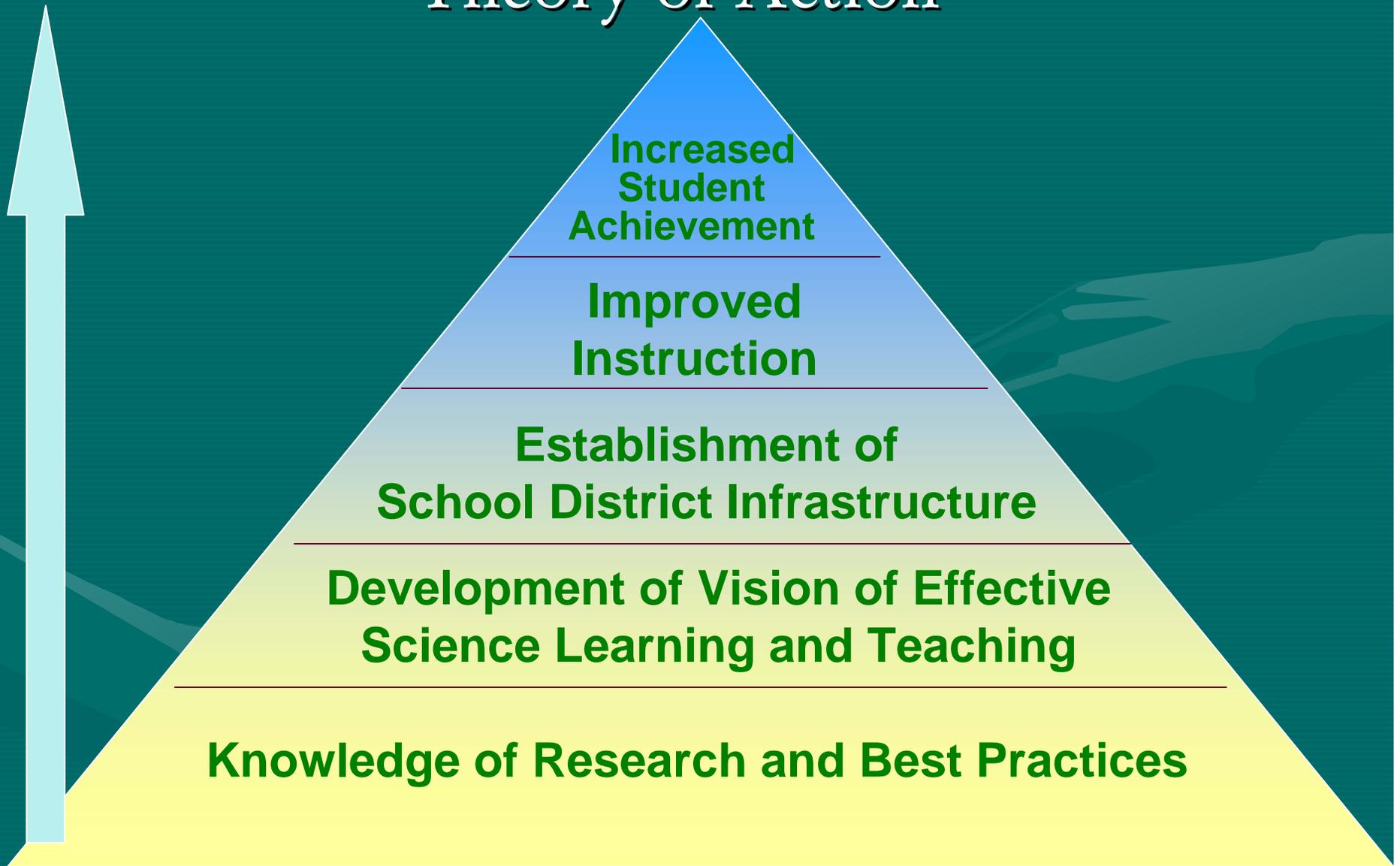
➤ Statewide Strategic Plan for Science

<http://www.emsc.nysed.gov/ciai/mst/sciplan.html>

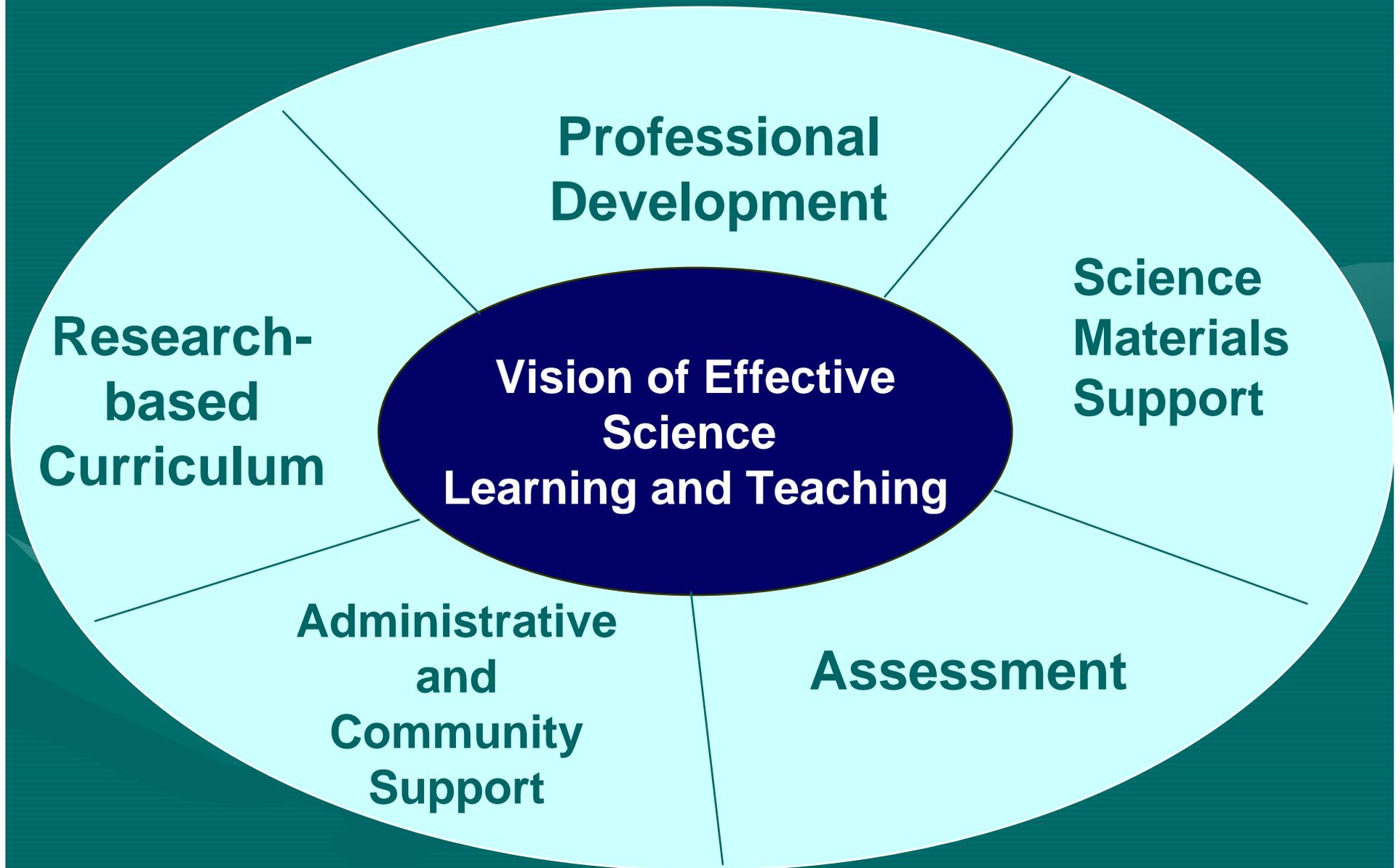
New York ECLIPSE in Partnership with the National Science Resources Center

- National Science Resources Center (NSRC)
 - <http://www.nsrconline.org>
- Partnership Commitment
- Priority Target: Large Urban Centers

NSRC Science Education Reform Theory of Action



NSRC Science Education Systemic Reform Model for the Establishment of School District Infrastructure



New York ECLIPSE Major Events

- Leadership Conference:
 - Build Awareness with Key Leaders and Stakeholders

- Science Education Curriculum Showcase

- Science Education Strategic Planning Institute

- Leadership Conference:
 - Build Capacity with Key Leaders and Stakeholders

New York ECLIPSE Value Added

➤ Science Education Curriculum Toolkit

Assist in assessing current curriculum programming and alignment to learning standards

Resources to review and select exemplary curricula and instructional materials

➤ Ongoing Technical Assistance

Establish and sustain National, state and regional network

District-Level Leadership Commitment

- Select, support, and sustain a NY ECLIPSE Leadership Team using established criteria
- Secure team members participation in all NY ECLIPSE events.
- Support implementation of inquiry-centered science curriculum resources.
- Continue supportive partnership with NYSED science leaders.