

## Ensuring a legacy of world class educational facilities for New Jersey

**G**overnor McGreevey, under Executive Order 24, committed the State of New Jersey to creating schools that are "...modern facilities of the 21st century combining the best possible learning environment, the most energy-efficient design, the most environmentally sustainable systems, and the highest community relevance..."



The New Jersey Schools Construction Corporation (SCC) has now completed \$660 million in health and safety facilities projects and is embarking on a new phase of the program – the design and construction of more than 400 new schools, including substantial renovations and additions.

To fulfill the vision to create 21st Century Schools, SCC has partnered with the New Jersey Institute of Technology (NJIT) – considered one of the most prestigious academic institutions in the nation – to establish the New Jersey High Performance Schools Information Center (NJHPSIC). The first of its kind in the country, the Center will provide unbiased, research-based, technical information services to assist SCC in the design and construction of state-of-the-art learning facilities.

# THE NEW JERSEY HIGH PERFORMANCE SCHOOLS INFORMATION CENTER

A partnership of the  
NJ Schools Construction Corporation  
and the NJ Institute of Technology.

[www.njscc.com](http://www.njscc.com)

[www.njhighperformanceschools.org](http://www.njhighperformanceschools.org)  
(Available after Nov. 1)



James E. McGreevey  
GOVERNOR

# Schools



## for the 21st Century

New Jersey Schools Construction Corporation  
& the New Jersey Institute of Technology



## New Jersey: Setting the national standard for high performance facilities

**A**s their first joint activity, SCC and the NJHPSIC have launched the Initiative for 21st Century Schools. This unique new endeavor has four core components:

### Establish Goals

SCC has defined the key characteristics and components of high performance, 21st century schools and has made achieving these characteristics a core goal for all SCC school design teams.

### Implement a Management Program

SCC has developed a flexible, performance-based management program that drives design teams toward high performance but leaves them the flexibility to achieve program goals in their own way.

### Provide Resources

NJHPSIC will ensure that all the information needed to create 21st century schools is readily available and easy to access by:

- maintaining a comprehensive 21st century schools resource library;
- developing an archive of best practice case studies;

- hosting an ongoing series of training programs;
- and conducting research.

### Monitor - and Continually Improve - the Process

NJHPSIC will implement a "feedback loop" to ensure that New Jersey's 21st century schools are continuously improved.

## Key characteristics of a 21st century school

### Healthy and Productive

Enables students and teachers to achieve maximum potential by providing healthy, safe, and comfortable environments.

### Cost Effective

Provides facilities that save money over time by being efficient to build, maintain and operate.

### Educationally Effective

Provides a superior teaching and learning environment that accommodates present and future needs.

### Sustainable

Minimizes environmental impacts and maximizes the use of non-polluting, renewable resources.

### Community Centered

Creates schools that are integral parts of their communities.

## Key components of a 21st century school

### Healthy and Productive

- Acoustic comfort
- Natural daylight
- Superior indoor air quality
- Safe and secure
- Thermal comfort
- Visual comfort

### Cost Effective

- Commissioning
- Energy analysis tools
- Life-cycle cost approach

### Educationally Effective

- Accessible and inclusive
- Accommodates the learning needs of students both present and future
- Flexible/adaptable
- Integral part of the curriculum

### Sustainable

- Energy efficient building shell
- Environmentally preferable materials and products
- Environmentally responsive site planning
- Meets LEED requirements
- High performance electric lighting
- High performance HVAC
- Renewable energy systems
- Water efficient design

### Community Centered

- Catalyst for economic development
- Community involvement in development
- Community use