



## Factors of Successful Technology

### Demographics

- Urban school district
- High poverty/high need
- 10,000 students and 640 teachers
- Twenty-two school buildings--many 60+ years old
- District office and other facilities

### Funding

- District capital project to renovate and build new facilities with initial \$176M in 2001 and subsequent additional bonds
- Federal--Title II, ETTT and Library-Media Grants help to support technology
- E-Rate a major factor in technology implementation
- District tax levy support for technology

### Technology Infrastructure

- High speed Gigabit fiber wide area network (WAN)
- Links between all schools and the DO
- High-speed (45Mb) Internet link this summer
- Gigabit LAN's in some schools
- Wireless an integral part of all building designs
- Data, voice and video cabling being put into every classroom and other space over the course of six years as part of the capital project
- Electrical power upgrades as part of the capital project
- Central data center with 20 servers
- Converged Cisco IP telephone system with unified messaging being rolled out
- Security cameras being placed in buildings--web accessible over network

## Instructional Technology Infrastructure

- Teacher workstations being placed in every instructional area
- Two to four computer clusters in elementary classrooms
- Over 2,500 computers in district
- LCD projectors to be shared in buildings
- Computer labs--at least one in every elementary school plus computers in library media centers
- Mobile wireless carts being positioned in every building

## Applications

- Software toolkit with wide range of software applications available on every computer in elementary and middle schools.
- Curriculum specific software including Read 180 and CCC in some schools
- Instructional resources available from the libraries
- Videoconferencing resources through Project View
- Special project-based learning activities using the Internet underway
- Administrative applications for student and financial information, with a focus on data mining and use of information for program decision-making and school improvement
- TLC Library Management and circulation system

## Professional Development

- Two embedded educator-staff developers working with teachers in their schools to develop teacher integration skills and to undertake classroom projects using technology
- Model Schools Program staff development and BlackBoard courses
- Collaborative web-based curriculum development project with University of Albany

## Technical Support

- One network technician
- One systems and server technician
- Six desktop/workstation support staff
- Some outsourced technical resources for specialized systems and network support

**For more information, contact:**

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