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Funding Sources and Methods For K-12 Distance Education

DLRN Summer Institute
Distance Learning Resource Network
Berkeley, CA
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Executive Summary

The majority of the states are using what has become traditional funding for distance learning. This includes general education funds, lottery generated funds (which in most cases does not increase the educational funding but relieves the state funds by the amount that the lottery adds)e-rate funds, Challenge grants, State Challenge grants, Star Schools. A limited group relies heavily on corporate and foundation donations. The following is a summary of the innovative funding for distance learning at the state level.

Alabama

Corporate Donations

- The Intergraph Corp., Huntsville, is providing technology services and products that include the use of e-mail, Webcasts, virtual notebooks, and production of CD-ROMs.

Arizona

Corporate Donations

Technology Capital Levy

- A development program focuses on direct corporate giving and corporate foundations ($3.2 billion annually). A state fund provides the cash matches for grants.
- A state "technology capital levy" will provide funds to schools to meet technology funding deficits.

Connecticut

State Bond Issues

CDC Funds

- State Bond Issues fund an annual $10.4 million competitive grant program for distribution/infrastructure systems (computers are not usually included)
- **Funding from CDC's Health Alert Network grant added distance learning coordinator position**

Hawaii

Capital Improvement Bonds (CIB)

- Allocates $17.5M a year to technology for a system estimated to cost $40 million ($14M from CIB and $3.5M for ed tech).
- eschool, asynchronous Web based courses, for high school credit.
- Cyberspace Entrepreneurs, an offshoot of eschool, allows schools/students to develop products and market them on the Internet.

Idaho

Corporate Donation

- A one-time Albertson Fdn. donation was used to accelerate the state's implementation of technology in schools.

Illinois

Allocates technology funds through a specific line item

Low Interest Loan Program

- Technology for Success, the specific line item: $43.8M FY98; $46.3M FY99
- Low Interest Loans of $60M for technology to districts by FY 2001

Kansas

Technology leadership awards to students

$10Mone-time appropriation

- Awards to students who have done innovative Web work for their school
- 1999 one time $10M award for technology which districts matched at 100 percent

Louisiana

Oil company legal settlement
Surplus Funds

- Funding for distance learning and graphing calculators came from a legal settlement with an oil company
- Most funds came from surplus money in the state's general fund; $37.1M FY98; $25M FY99

Maine

Bell Atlantic legal settlement
Maine Learning Technology Endowment
Bond Issue

- The Bell Atlantic settlement has provided over $10M for educational tech. The oversight board had the company collect tech data from schools 98/9 and placed the findings on a Web site.
- The Maine Legislature established the Maine Learning Technology Endowment with $30M to start no later than 2002/3 school year, and based on a learning technology plan adopted by the legislature.
- 1995 - five year bond issue of $15M for educational technology.

Massachusetts

General Fund
Web Price Discounts School Portal
Youth Tech Entrepreneurs- Student technicians

- FY98 $30M; FY99 $37M appropriate for technology from the general fund
- State Web-based virtual marketplace for schools to get large discounts by negotiating with technology companies - five-years estimated savings $10M.
- Youth Tech Entrepreneurs will train students as technical support personnel and become a self-supporting program

Michigan

Gambling Revenues

- Michigan Renaissance Fund, gambling revenue supported independent economic-development fund, $7M over three years for teacher training in technology.

Missouri

Legislated Funding for Outstanding Schools Act grant program
Legislated Funding for Technology Acquisition and Enhancement Grant
Tax on video tape rentals

- Sixth year of funding at $5M to help schools acquire new technology
- Fifth year of $10M for school technology grants
- An older funding mechanism generated about $5M per year from videotape rental

Montana

Funding from Timber Harvest

- 1998 timber cutting funds on state owned land was used to fund educational technology at $1.5M. Funds for 2000 are not realized yet.

Nebraska

Star Schools CLASS Project

- High school diploma sequence with 54 Web-based courses

Nevada

Sales tax, property and gaming taxes for technology

- Allocated $36.1M for technology in FY98 and FY99 from two funds, infrastructure and for maintenance, professional development, and planning.

New Hampshire

Corporate Donation

- Bell Atlantic and Cabletron, a local cable company, committed to providing Internet access to every school and library building in the state, two years of free telephones, mobile computer lab for teacher training

New Jersey

Corporate Donation

General Fund legislation for Distance Learning Network Aid

- Bell Atlantic offers discounts on school Internet access estimated savings of $13M over four years; they will establish a statewide network
- $50M ($40 per pupil) for Distance Learning Network Aid for electronic communities.

Oklahoma

Surcharges on all telephone lines

Settlement with SWB over rate overcharges.

- Surcharges on all telephone lines generated $1M to establish teacher-training centers for technology in FY98.
- A settlement with Southwestern Bell about rate overcharges generated $1M annually for distance learning in FY98 and 99.

South Dakota

Settlement for school milk prices lawsuit

- Schools won $250,000 in a lawsuit about school milk prices. The funds were given to the state and designated for education technology in FY 98, with some rollover into FY 99.

Tennessee

Legislation

Local Business Donations

- Since July 1993, $100M appropriated for education technology.
- **Connect Tennessee Students, a nonprofit group working in partnership with the state and private businesses to foster technology use, encourages local businesses to give $2 per student to schools to reimburse them for Internet costs.**

Texas

Legislation

Fees from telecommunications companies

State textbook allotment

- FY98 appropriated $110 ($30 per pupil) for educational technology
- Fees collected from telecommunications companies support the Telecommunications Infrastructure Fund for statewide technology initiatives
- Districts may use portions of the state textbook allotment for electronic technology

Vermont

Used Medicaid reimbursement funds

- Used Medicaid reimbursement funds to purchase 1,600 computers for schools. The state has joined with local businesses to develop one integrated information system for student data, curriculum management, and financial management.

West Virginia

State Building Authority Funds used

Corporate Funding

- In FY 98, West Virginia appropriated $22.4M for technology, the state's building authority spent $2.5M for school wiring
- Bell Atlantic gave $8M grant to network schools.

Wisconsin

State Universal Service Fund

- Provides discounted telecommunications access for school districts through TEACH Wisconsin.

State**:** **Alabama**

Policy Abs.: Challenge Fund, Donations by Corporations

Policy Adm: Alabama State Department of Education

Policy: Technology Literacy Challenge Fund from the United States Department of Education.

The Alabama Department of Education will use a $1.56 million federal grant over the next three years to develop technology certification standards for Alabama's 30 teacher preparation programs.

The Intergraph Corp. of Huntsville. Intergraph Corp. is providing technology services and products that include the use of e-mail, Webcasts, virtual notebooks, and production of CD-ROMs.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Michele DeShaw
State Education Agency Technology Contact
Phone: 907-465-8703
e-mail: Michele_DeShaw@educ.state.ak.us
State Education Agency Web site: www.educ.state.ak.us
Number of Students: 132,258
Number of Teachers: 7,826

State: **Alaska**

Policy Abs.: E-Rate, Star Schools Project and miscellaneous other Legislative mechanisms sources.

Policy Adm.: Alaska State Board of Education

Policy: The Alaska State Board of Education will work with the Governor and the Legislature to create an Educational Technology Fund for matching grants to school districts to fund technology in the schools. Grants will be contingent on a district developing a comprehensive plan for technology. Possible sources of revenue for the fund include:

- school tax
- direct appropriation
- statewide bond
- surcharge on telecommunications services
- foundation fund
- private sources

Local school districts will employ the following funding sources and strategies to implement the integration of technology in schools:

- reallocating existing resources
- grants
- foundation (basic) funding
- incremental funding for vocational, bilingual, and special education
- local funding sources
- leveraging home spending for technology
- developing consortia for the bulk purchasing of equipment and telecommunications services
- developing local partnerships to advance technology implementation

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Michele DeShaw
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State Education Agency Web Site: www.educ.state.ak.us
Number of Students: 132,258
Number of Teachers: 7,826

University of Alaska Southeast
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State**:** **Arizona**

Policy Abs.: Arizona does not specifically earmark technology funding for the individual public school districts.

Secondary funding mechanisms which include Capital Outlay/M&O Override, Bond Sales, Grants and Desegregation Funds.

The US Department of Education has been the main funding source.

The corporate level, corporations, including both direct corporate giving and indirect donations through corporate foundations.

Policy Adm.: Arizona State Department of Education

Policy: Arizona does not specifically earmark technology funding for the individual public school districts. Instead, districts must use existing funding mechanisms to fund technology.

Districts also have access to several other secondary funding mechanisms which include Capital Outlay/M&O Override, Bond Sales, Grants and Desegregation Funds.

The US Department of Education has been the main funding source in applications to grant-making foundations through various programs, such as Star Schools, National Challenge Grants for Technology in Education, and Title I of the Elementary and Secondary Education Act

The corporate level, corporations, including both direct corporate giving and indirect donations through corporate foundations, donate an estimated $3.2 billion each year in cash or equipment to educational institutions.

The numerous high technology companies located in Arizona have provided cash, equipment, and technical expertise to the classroom. Philanthropic foundations and federal government agencies have also provided funding.

The establishment of a state fund to provide the necessary cash matches for federal and foundation grant initiatives.

A "technology capital levy" funded by the State will provide additional dollars to help schools meet technology funding deficits.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Kathryn Kilroy
State Education Agency Technology Contact
Phone: 602-542-5962
e-mail: kkilroy@mail1.ade.state.az.us
State Education Agency Web Site: www.ade.state.az.us
Number of Students: 859,104
Number of Teachers: 43,931

Strategic Planning & Budget
Arizona Department of Education
1535 West Jefferson Street, Bin 28
Phoenix, Arizona 85007
602-542-3234
Director: Vicki Salazar

Constituent Services
Arizona Department of Education
1535 West Jefferson Street, Bin 8
Phoenix, Arizona 85007
602-542-5274
Manager: Jeanne Belcheff

State: **Arkansas**

Policy Abs.: AR Dept of Education has 15 Coops. Arkansas wrote its technology plan in 1996

Policy Adm: Arkansas State Department of Education

Policy: AR Dept of Education has 15 Coops. Each has a DL lab connected to the Dept of Ed. and each other, meetings, labs. Everything comes out of the general revenue fund. There are no special funding avenues.

Arkansas wrote its technology plan in 1996 and is rewriting it for presentation to the legislature in January. The state revises its technology plan based on new legislation and needs expressed by districts.

Arkansas appropriated $11M from the state's general fund for education technology in FY 98

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Jim Boardman
State Education Agency Technology Contact
Phone: 501-682-1077
e-mail: jboardman@arkedu.k12.ar.us
State Education Agency Web Site: arkedu.state.ar.us/
Number of Students: 461,478
Number of Teachers: 26,505

Zinnia Clanton
Arch Ford Coop
501-354-2269

Jim Bordman
501-682-4239

Arkansas Public School Computer Network APSCN

State: **California**

Policy Abs. Digital High Schools. Since its inception in 1997 under Republican Gov. Pete Wilson, the program has received nearly $400 million. The state appropriates funds, there are bonds available and the state Public Utilities Commission for technology gave approximately $11.5M in 1999.

Policy Adm: California State Department of Education

Policy: Digital High Schools
A four-year effort to build a basic technology infrastructure in each of the state's roughly 1,700 high schools and juvenile-detention centers.

Since its inception in 1997 under Republican Gov. Pete Wilson, the program has received nearly $400 million. This year's legislature contributed $151 million of that total for the fiscal year 1999, which began July 1. Lawmakers spent $136 million on the program in 1998.

In FY 98, the state appropriated $169M from the general fund for education technology. In addition, the state spent another $50M from bonds and $11.5M from the state Public Utilities Commission for technology. In FY 99, the state will appropriate approximately $122M from the general fund, and the funding from the Public Utilities Commission will remain static.

Reimbursement conditions: N/A

Individual Reimbursement condition: N/A

Contact: Jackie Lamb
State Education Agency Technology Contact:
Phone: 916-445-0775
e-mail: jlamb@cde.ca.gov
State Education Agency Web Site: goldmine.cde.ca.gov
Number of Students: 5,640,269
Number of Teachers: 248,234

State: Colorado

Policy Abs. Technology Literacy Challenge Fund. The state did not provide funds for education technology in FY 98 or FY 99. The state holds an annual education technology conference

Policy Adm: Colorado State Department of Education

Policy: To aid in the integration of technology into the standards-based curriculum, Colorado receives an annual Technology Literach Challenge Fund grant from the US Department of Education, to be distributed in the form of competitive grants.

The state did not provide funds for education technology in FY 98 or FY 99.

The state holds an annual education technology conference at which district technology directors share innovative technology uses.

Reimbursement conditions: NA

Individual Reimbursement condition:
Eighty percent of distance learning courses are offered as Resident Instruction and thus are eligible to receive state reimbursement.

Contact: Eric Feder
State Education Agency Technology Contact
Phone: 303-866-6859
e-mail: feder_e@cde.state.co.us
State Education Agency Web Site: www.cde.state.co.us
Number of Students: 688,438
Number of Teachers: 37,352

State**:** **Connecticut**

Policy: Technology Literacy Challenge Funds

Connecticut relies on state bond issues to fund technology.

Connecticut used funding from the CDC's Health Alert Network grant to add the position of "distance learning coordinator"

Plans are now being finalized to use the agency Web site to market PHTN programs.

Policy Adm: Connecticut State Department of Education
Connecticut Department of Public Health

There is a competitive grant program to be administered by the state Department of Education to provide funding for wiring, cable, or other distribution systems and infrastructure improvements to support telecommunications and other information transmission equipment to be used for educational proposes. This legislation specifically does not permit state grant funding for computer equipment, except in connection with a major project.

Connecticut relies on state bond issues to fund technology through an annual $10.4M competitive grant program.

Connecticut used funding from the CDC's Health Alert Network grant to add the position of "distance learning coordinator" to its local health department network. In about three months, an additional 12 downlink sites were locked in statewide. This brought distance learning within easy reach of local health directors and staff in Connecticut.

Plans are now being finalized to use the agency Web site to market PHTN programs. In addition, the Connecticut Department of Public Health distance learning effort will soon share mutual Web site links with the Connecticut Distance Learning Consortium, a network comprised of the state's public and private universities and colleges.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Carol Rocque
State Education Agency Technology Contact
Phone: 860-566-8888
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State Education Agency Web Site: www.state.ct.us/sde/
Number of Students: 535,000
Number of Teachers: 28,814 German Bermudez, Ph.D.

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Connecticut Distance Learning Consortium
Ed Klonoski, Director
55 Paul J. Manafort Drive
New Britain, CT 06053-2142

State**:** **Delaware**

Policy Abs.: The state's official policy is no funds for technology, however where needed the do make funds available.

Technology Literacy Challenge Fund.

Policy Adm.: Delaware State Department of Education

Policy: Delaware did not appropriate funds specifically for technology in FY 98. However, the state appropriated $3M for the purchase of technology in FY 99 and $5M for both FY 00 and FY 01.
Local funding is used to support the current distance learning labs.

Technology Literacy Challenge Fund
Delaware is a Technology Literacy Challenge Fund Grantee in FY99.
The maximum award amount is $201,875.00

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contacts**:** Theresa Kough
State Education Agency Technology Contact:
Phone: 302-739-4885
e-mail: tkough@state.de.us
State Education Agency Web Site: www.doe.state.de.us
Number of Students: 111,960
Number of Teachers: 6,850

www.doe.state.de.us/tlc/www_url.htm
www.doe.state.de.us/

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NOTE: (7/28 - will provide answers)

Stratton, Michael
302-739-4692
mstratton@state.de.us
Delaware Center for Educational Technology

State**:** **District of Columbia, Washington, DC**

Policy Abs.: Title 2 and 6
IASA
Technology Challenge Fund

Policy Adm: NA

Policy: Title 2 and 6
IASA
Technology Challenge Fund
There are no tax or local revenue sources

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contacts: Federal Grants 202-442-5570
Stanley Johnson 202-442-5085

State**:** **Florida**
The Florida High School
http://fhs.net/Stark/Affiliation.nsf

Policy Abs.: FHS is funded through a line item in the Florida State budget

Policy Adm: Orange County Public Schools

Policy: Students enrolled in public schools, nonpublic schools, and home education throughout the state of Florida

FHS is funded through a line item in the Florida State budget. Students must be registered so as to generate 25 hours of equivalent FTE enrollment, or funding may be lost at the local district.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Peter Lenkway
State Education Agency Technology Contact
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e-mail: lenkwap@mail.firn.edu
State Education Agency Web Site: www.firn.edu/doe/index.html
Number of Students: 2,291,681
Number of Teachers: 124,563

Dr. Dennis Smith, Superintendent
Orange County Public Schools
445 West Amelia Street
Orlando, FL 32801

State**:** **Georgia**

Policy Abs.: Support distance learning at every school site through state lottery income and general funds
The Lottery for Education is dedicated to instructional technology, the HOPE scholarship program and the voluntary pre-kindergarten for four-year-olds

Policy Adm: GA State Education Agency

Policy: Support distance learning at every school site through state lottery income and general funds

- In 1994, Georgia installed a satellite dish at every school, providing distance-learning capabilities. GALILEO, Georgia's Libraries Learning On-Line database, links schools to all state university systems and databases.
- Georgia communicates through a teacher list serve and the department Web site. Georgia holds a technology-leadership conference for state technology specialists annually in the fall
- The State funds 15 regional Technology Training Centers located throughout the state. These centers are used to provide teachers, paraprofessionals and administrators the opportunity to learn about, use and experiment with new technologies.
- Georgia Plans to develop a statewide network - via computers and video/audio links - allowing teachers and students in every GA public school to interact with and access data from every other public school, colleges and universities, public libraries and the Internet. In order to accomplish this vision, GA must commit to sustained funding, at least at present levels, every year well into the next century

The Lottery for Education is dedicated to instructional technology, the HOPE scholarship program and the voluntary pre-kindergarten for four-year-olds. In the past two years nearly $150 million in lottery money and regular state funds have gone to instructional technology for public schools.

- In 1998 the state provided a one-time minimum $53,000 in technology funds to each district. GA allocates technology funds on an equal per-student basis.
- In 1999 Georgia allotted $46.3M, with $42.8M coming from lottery funds and 3.5M from general funds.

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State Education Agency Web Site: www.doe.k12.ga.us
Number of Students: 1,375,918
Number of Teachers: 84,235

Superintendent's Statement:
www.doe.k12.ga.us/schrenko/blueprint.html

State**:** **Hawaii**

Policy Abs.: Hawaii's science standards include a strand on "the nature of technology" and a strand on "technology and society."

It hosts a cable TV channel

Hawaii also prints a newsletter

Hosting an annual telecommunications conference.

Policy Adm: Hawaii's State Department of Education

Policy: Hawaii's science standards include a strand on "the nature of technology" and a strand on "technology and society." The state does not assess students' technology knowledge or skills.

Hawaii disseminates information about best practices in three primary ways.

- It hosts a cable TV channel with programs such as "Tech Talk" and invites teachers and students to appear on its shows.
- Hawaii also prints a newsletter for schools, politicians, and others detailing technology initiatives.
- Last year, the state began hosting an annual telecommunications conference.

Hawaii's "eschool," an electronic correspondence program,

- Allows students to earn high school credit through asynchronous Web-based instruction. Started in 1996,eschool will offer 30 courses this fall.
- Cyberspace Entrepreneurs, an offshoot of eschool, allows schools and students to develop products and market them on the Internet.

Hawaii wrote its first two-year plan in 1995, for technology and revised it last year. In 1995, the plan was projected to cost $40M-$60M, but the estimate was adjusted to $40M after last year's revisions.

Hawaii allocated $17.5M for technology in FY 98 and will maintain this annual amount through FY 00. Of the FY 98 total, $14M came from capital-improvement bond funds and was designated mainly for infrastructure needs. The remaining $3.5M was earmarked for education technology such as hardware and software.

Contact: Diana Oshiro
State Education Agency Technology Contact
Phone: 808-586-3307
e-mail: diana@Hawaii.edu
State Education Agency Web Site: www.k12.hi.us
Number of Students: 189,281
Number of Teachers: 10,600

State: **Idaho**
www.sde.state.id.us/Dept/

Policy Abs.: Accelerate the State's implementation of technology through a one time gift from a private foundation

To accelerate the state's implementation of technology in schools essential for 21st Century student learning through a one-time gift distributed by the Idaho Council for Technology in Learning (ICTL).

Policy Adm: Idaho State Board of Education
Under terms set by the Albertson Foundation

Policy: Accelerate the State's implementation of technology through a one-time gift from a private foundation

To accelerate the state's implementation of technology in schools essential for 21st Century student learning through a one-time gift distributed by the Idaho Council for Technology in Learning (ICTL).

- To increase students' use of and proficiency in technology so that their learning of subject matter content is deeper and more robust.
- To enhance student problem-solving skills in technology-rich learning environments where technology is used proficiently and in innovative ways.
- To increase student motivation to learn.
- To increase teacher use of technology tools to enhance instruction in math, science, reading and writing and encourage students to become self-directed learners.
- To increase school districts' capacity to design, deploy and evaluate comprehensive technology plans to assure that equipment and tools are appropriately used, maintained and updated, and that practitioners engage in professional development to assure they have the knowledge and skills for appropriate use of technology.
- To assist school districts in designing accountability systems to assess student learning and submit reports.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Rich Mincer
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Phone: 208-332-6972
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State Education Agency Web Site: www.sde.state.id.us
Number of Students: 250,300
Number of Teachers: 14,200

State: **Illinois**
American School (private)
http://www.iit.edu/~american/

Policy Abs.: Illinois allocates technology funds through a specific line item
Illinois also is enacting a low-interest loan program

Policy Adm: Illinois Institute of Technology
Accreditation: North Central Association of Colleges and Schools as a Special Function school and by the Distance Education and Training Council. Nonpublic secondary school - Illinois State Board of Education.

Policy: Illinois' technology plan was adopted in 1996 and is scheduled to be revised by the end of FY 00. The state estimates its share of the total cost of the plan to be $186M for FY 99 and $194M for FY 00.

Illinois allocates technology funds through a specific line item, "Technology for Success, "allotting $43.8M in FY 98 and $46.3M in FY 99, Illinois also is enacting a low-interest loan program that will loan a total of $60M for technology to districts by FY 01.

High School Diploma Program
The American School has designed its flexible high school curriculum to meet the individual needs of all its students. With over 70 subjects, the School offers a broad academic program as well as a large number of career-oriented subjects at the high school level in which students may work at their own pace, and earn an American School diploma.

Independent Study Program
Cooperates with over 4,000 public and parochial high schools and continuing education programs by furnishing:

- Correspondence courses for Independent Study Programs to provide make-up credits,
- Provide challenging courses for the bright student,
- Offer high-interest subjects for the potential drop-out,
- Serve the home-bound student,
- Provide for students who have to travel in this country or abroad,
- Supplement career education programs,
- Provide adult high school completion programs,
- Provide summer school programs

Purpose: The special function is to provide educational service, by means of correspondence study, for two main classes of students:

- Those out-of-school young people and adults who have dropped out of school and now wish to complete their high school education; and
- Those students in resident school who, while remaining regularly enrolled in their local schools, are registered, with the approval of a local school official, to take independent study courses for the purpose of making up credits, acceleration, enrichment, career education, and other reasons. The latter is primarily a service to schools rather than to individuals. ”

Credit for Previous Work:

- “Students enrolling in the high school course will receive credit for each subject satisfactorily completed in resident school, with the exception of subjects such as Physical Education, ROTC, Religion, Drivers' Education, or Music.

Reimbursement conditions: NA
Individual Reimbursement condition: NA

Contact: Sharon Roberts
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Phone: 217-782-5439
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State Education Agency Web Site: www.isbe.state.il.us
Number of Students: 2,000,550
Number of Teachers: 119,814

State: **Indiana**

Policy Abs.: Indiana considers its current plan, written in 1996, a rough framework for thinking about technology.

Indiana has 64 technology associates who travel to districts to communicate and demonstrate best practices.

Indiana allotted $23.6M for technology in both FY 98 and FY 99.

The Intelenet Commission is a body corporate and politic, whose mission is to provide leadership and direction in the procurement and use of information technologies by tax-supported institutions.

Policy Adm: Indiana State Board of Education

Policy Indiana considers its current plan, written in 1996, a rough framework for thinking about technology. The state is writing a more detailed plan and expects it to be approved this fall. Cost estimates, not previously done, will be made after the revisions are completed.

Indiana has 64 technology associates who travel to districts to communicate and demonstrate best practices. Indiana also uses its Web site and a state-supported clearinghouse on software, hardware, and best practices.

Through the Buddy System Project, the state has purchased home computers for students in grades 4-6. The program currently operates in 58 schools statewide and serves 7,000 students. Also, Indiana's Project 4R's, founded in 1990, provides funding for classroom computers and training programs for grades K-2. Project 4R's focuses on early childhood reading, writing, and math programs.

Indiana allotted $23.6M for technology in both FY 98 and FY 99.
Of this,

- $18M comes from a state lottery fund and
- $5.6M comes from the general fund. Lottery monies consist of
- $15M for Indiana's Technology Plan Grant Program, which provides funding for implementation of district technology plans, and
- $3M for Internet connections. General state monies consist of
- $1.6Mfor the Computer Learning and Training Fund and
- $4M for programs such as the Buddy System Project.

For the past two years, state technology funds have been distributed on a sliding scale, with the highest per-pupil funding going to the poorest districts.

Internet Grant Program for Indiana's K-12 School Corporation supports the access Indiana initiative that was jointly announced by the Governor and the Superintendent for Public Instruction in July 1994.

- The purpose of the Commission's grant program is to offer incentives and economic assistance to Indiana's public school corporations in connecting to the global Internet and the state network.

The Intelenet Commission is a body corporate and politic, whose mission is to provide leadership and direction in the procurement and use of information technologies by tax-supported institutions.

- In the state's 1995-97 biennial budget, the Intelenet Commission was directed to manage the disbursement of up to $3 million in annual funds from the Indiana
- Technology Fund to support K-12 Internet connectivity.
- In order to establish and manage coordinated services between the vendor and all school corporations, the Intelenet Commission will serve as the agent and Customer of Record for all applicants.
- The Commission will order services and manage network design details with the vendors.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Michael Huffman
State Education Agency Technology Contact
Phone: 317-232-6672
e-mail: mhuffman@doe.state.in.us
State Education Agency Web Site: www.doe.state.in.us
Number of Students: 988,750
Number of Teachers: 57,368

www.state.in.us/intel/grants/k12.html

State: **Iowa**

Policy Abs.: ICN classrooms to receive $4 million from Star Schools.
In FY 98, the state appropriated $54.8M from its general fund for education technology:
FY 00, with the exception of an additional $700,000 in subsidies in FY 99 and only $2.7M for district lease costs in FY 00.

Policy Adm: Iowa State Board of Education

Policy: The state collects quantitative data about education technology in the schools through an annual survey that covers a range of topics. The state uses federal TLCF funds to collect qualitative data through focus groups and site visits conducted by Iowa State University.

ICN classrooms to receive $4 million from Star Schools. This fall, thanks to the Star Schools Program, schools with Iowa Communications Network (ICN) video classrooms will be eligible to receive additional funding to improve the quality of K - 12 distance education for their students.

- In 1987, Iowa wrote a plan for developing the infrastructure to connect schools and colleges to a telecommunications network by 1999.
- In 1993-94, a state commission drafted a long-range vision for education technology.

The earlier plan has undergone evaluation and annual revisions.
The latter has undergone informal revisions and is currently undergoing more formal revision.
The state has not done a formal cost analysis of the plans.

In FY 98, the state appropriated $54.8M from its general fund for education technology:

- $30M went to the School Improvement Technology Act for hardware and staff development;
- $20M went to pay district lease costs for connecting to a fiber-optic network;
- $3M went to subsidize the use of video for distance learning; and
- $1.75M went to provide technical troubleshooting and repairs.

The state appropriated roughly the same amounts for FY 99.

FY 00, with the exception of an additional $700,000 in subsidies in FY 99 and only $2.7M for district lease costs in FY 00.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Pamela Adams
State Education Agency Technology Contact
Pfitzenmaier
Phone: 515-242-4180
e-mail: pam@iptv.org
State Education Agency Web Site: www.state.ia.us/educate
Number of Students: 503,540
Number of Teachers: 33,266

State: **Kansas**

Policy Abs.: The state's first technology plan was written in 1998 and is updated annually.
Technology-leadership awards to students next year.
The state gave priority to high-poverty districts

Policy Adm: Kansas State Board of Education

Policy: The state's first technology plan was written in 1998 and is updated annually. Kansas has not conducted a formal cost analysis of the plan.

The state's science standards include a strand called

- "The relationships of social, technological, and scientific issues."

The state is developing separate voluntary

- Technology guidelines for students, based on the ISTE model. The guidelines will initially be separate from other subjects and will later be integrated into subject areas.

The state will give technology-leadership awards to students next year, recognizing students who have done innovative Web work for their school. Global Schoolhouse has joined forces with Lightspan.com and Kansas is using them to bring the best in online collaborative learning.

In FY 98, the state appropriated no new money for education technology, although it did fund a $1M annual competitive grant.

In FY 99, the state appropriated a one-time sum of $10M from the state's Budget Stabilization Fund. Local districts must match these funds 100%.

The state gave priority to high-poverty districts when distributing $1M in competitive grant funds this year. However, other technology funds are distributed equally to all districts or on an equal per-pupil basis.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Sal Tayani
State Education Agency Technology Contact
Phone: 785-296-2317
E-mail: stayani@ksbe.state.ks.us
State Education Agency Web Site: www.ksbe.state.ks.us
Number of Students: 469,740
Number of Teachers: 30,906

State: **Kentucky**
Kentucky Virtual High School
http://www.kvhs.org/

Policy Abs.: Kentucky annually monitors districts' progress in meeting the state's technology goals.

"Courses are delivered online to schools, homes and other places with Internet access

The KVHS is a collaboration between the Kentucky Department of Education, the Council on Postsecondary Education, and the state's major education partners "whose common interest is to secure an internationally superior education for our state's citizens.

Kentucky allocated $22.5M in technology funds for FY 98, $62.5M for FY 99, and $62.5M for FY 00.

Policy Adm: Kentucky Department of Education, the Council on Postsecondary Education, and the state's major education partners

Policy: Kentucky adopted a six-year plan in 1992, for technology and updated it in 1994 and 1996. A new plan with two-year goals went into effect this year and will be updated in 2000. The new plan calls for $297M to be spent from 1998-2000. Kentucky annually monitors districts' progress in meeting the state's technology goals.

- "Courses are delivered online to schools, homes and other places with Internet access, available anytime and anywhere--meeting the needs of students. For students of any age, Kentucky Virtual High School curriculum ranges from the basic to the very advanced." Course admission requires enrollment in a local Kentucky public high school.
- The KVHS is a collaboration between the Kentucky Department of Education, the Council on Postsecondary Education, and the state's major education partners "whose common interest is to secure an internationally superior education for our state's citizens. Through the KVHS, every Kentucky high school student is able to enroll in for-credit classes taught by Kentucky certified teachers and receive credit from their local high school."
-

Kentucky allocated $22.5M in technology funds for FY 98, $62.5M for FY 99, and $62.5M for FY 00. The money comes from the state's general education fund and is paid directly to schools for equipment and services such as workstations and Internet connections. Kentucky also provides school facilities funds, a portion of which may be used for technology.

Reimbursement conditions:
Typically by purchase order from a school district.

Individual Reimbursement condition:
Each individual semester class costs $300 per student.

Contact: David Couch
State Education Agency Technology Contact
Phone: 502-564-2020
e-mail: dcouch@kde.state.ky.us
State Education Agency Web Site: www.kde.state.ky.us

Number of Students: 639,579
Number of Teachers: 39,311

State: **Louisiana**
Electronic High School
http://www.is.lsu.edu/highschool/visitors/faq/

Policy Abs: Louisiana's five-year technology plan was written in 1996 and is updated annually.

Most funds came from surplus money in the state's general fund.

Funding for distance learning and graphing calculators came from a legal settlement with an oil company

Policy Adm: Louisiana State University and Agricultural and Mechanical College is accredited by the Commission on Colleges of the Southern States. Association of Colleges and Schools to award bachelor's, master's, doctoral and professional degrees. Courses are fully approved by the LA State Department of Education, and the program is accredited by the Southern Association of Colleges and Schools.

Policy: The LSU Independent Study Program allows students to work toward high school completion at home.

- Courses are equivalent to those offered in public and private high schools, and approved by the Louisiana Department of Education. "
- Course Credit: High school principals authorize course enrollment, accept earned credit, and certify that credit to the Louisiana Department of
- Education for application toward graduation requirements."

Louisiana's five-year technology plan was written in 1996 and has been updated annually. The cost of the plan was estimated in 1996 at $650M, half of which would be paid by local districts. Louisiana has hired an outside team to evaluate whether the plan's goals are being met.

Louisiana spent $37.1M on technology in FY 98, and the legislature appropriated $25M in FY 99. Almost all the funds came from surplus money in the state's general fund. Funding for distance learning and graphing calculators came from a legal settlement with an oil company.

Reimbursement conditions:
A fee of $70 for each half-unit together with a $10 study guide processing fee must accompany the application. Textbooks are not included in the registration fee.

The time allowed for course completion may be extended for a three-month period for a fee of $20.

Individual Reimbursement condition: N/A

Contact: Carol Whelan
State Education Agency Technology Contact
Phone: 504-763-5575
e-mail: cwhelan@iltc.doe.state.la.us
State Education Agency Web Site: www.doe.state.la.us
Number of Students: 780,758
Number of Teachers: 46,985

State: **Maine**

Policy Abs: Maine wrote their technology plan in 1995 and was scheduled to revise it by September of 1999.

Due to a ruling by the Maine Public Utilities Commission against Bell Atlantic in a dispute over rate charges, the phone company has spent more than $10M on education technology in Maine since 1995.

The Maine Legislature established this endowment and initially provided $30,000,000 in funding. The finances for the endowment will be managed by the Commissioner of Administrative and Financial Services, and will be invested by the Maine State Retirement System

Policy Adm: The Maine Legislature
Maine Department of Education
Commissioner of Administrative and Financial Services

Policy: Maine wrote their plan in 1995 and was scheduled to revise it by September of 1999. The state has not done a formal cost analysis of the plan.

Maine has a set of standards for "science and technology." The state also incorporates technology into other curriculum areas.

The state education department has not collected technology data since 1996, the oversight board of Bell Atlantic's school technology program ordered the phone company to collect technology data from schools last year. The state has placed the findings on its Web site.

Project Mission

- The Maine Distance Learning Project is designed to provide all Maine students equity of access to a high quality learning environment that is unaffected by geographical limitations.

What is ATM?

- The State Distance Learning Project (ATM) technology provides the wide bandwidth capacity to carry real-time interactive video, and data over the telephone networks with ample room for growth and the flexibility to adapt to standards and technologies yet to be developed.

Maine Learning Technology Endowment

The Maine Legislature established this endowment and initially provided $30,000,000 in funding. This is to enable the full integration of appropriate learning technologies for the state's elementary and secondary students. Use of the endowment must be based on a learning technology plan adopted by the Legislature. The finances for the endowment will be managed by the Commissioner of Administrative and Financial Services, and will be invested by the Maine State Retirement System. The state learning technology plan funded by the Maine Learning Technology Endowment must be designed to take effect no later than the start of the 2002-03 school year.

Maine Department of Education's Distance Learning Projects.Below is a listing of some of the "goals" of this program.

Distance Learning Site Goals

- To provide leadership in the field of distance learning.
- To promote the use of distance learning.
- To provide current information on distance learning.

- To promote equity and access to life long learning through distance learning.
- To promote diversity in our organization and its programs.
- To coordinate distance learning statewide
- To serve as communications link for schools using distance learning
- Maine's legislature appropriated no money for education technology in FY 98.

In 1995, voters approved a referendum for a five-year, $15M bond issue for education technology.
Due to a ruling by the Maine Public Utilities Commission against Bell Atlantic in a dispute over rate charges, the phone company has spent more than $10M on education technology in Maine since 1995.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Linda Lord
State Education Agency Technology Contact
Phone: 207-287-5620
e-mail: linda.lord@state.me.us
State Education Agency Web Site:
www.state.me.us/education/homepage.htm
Number of Students: 217,081
Number of Teachers: 14,700

Pages contain a description of the endowment legislation and a power point presentation on the major components.

State: **Maryland**

Policy Abs: The state spent $13.6M in FY 98, and this level will remain static through FY 99.

Maryland collects data twice a year from every school in the state. This effort began in 1996.

Policy Adm: Maryland State Legislature
Maryland State Department of Education

Policy: Maryland's five-year plan for technology, written in 1995 and estimated to cost $150M, was revised and presented to the state board in November of 99. A state committee is revising the cost figure.

Maryland collects data twice a year from every school in the state. This effort began in 1996. The most recent survey conducted last January, focused on teachers' skills and knowledge about technology. Maryland also surveys teachers on how frequently they use technology and barriers to using technology.

The state spent $13.6M in FY 98, and this level will remain static through FY 99. These sums are appropriations from the state's general fund; however, they do not include school-construction money spent on wiring.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Barbara Reeves
State Education Agency Technology Contact
Phone: 410-767-0382
e-*mail*: breeves@msde.state.md.us
State Education Agency Web Site: www.msde.state.md.us
Number of Students: 833,489
Number of Teachers: 50,825

State: **Massachusetts**

Policy Abs: Massachusetts appropriated $30M for technology in FY 98 and $37M in FY 99. All the money came from the state's general fund.
The state's first technology plan was written in 1994 and is updated annually.

Policy Adm: Massachusetts State Legislature
Massachusetts State Department of Education

Policy: Massachusetts appropriated $30M for technology in FY 98 and $37M in FY 99. All the money came from the state's general fund.
The state began a Web-based virtual marketplace in which schools can get large price discounts by negotiating deals with technology companies. Savings are estimated at $100M over five years. The state also plans this year to begin a program called "Youth Tech Entrepreneurs," which will train students as technical-support personnel. The project will start under state supervision but is expected to be monetarily self-sufficient over time.

The state's first technology plan was written in 1994 and is updated annually. The most recent cost analysis estimates the plan's implementation at $250 to $400 per student.

Contact: Greg Nadeau
State Education Agency Technology Contact
Phone: 781-388-3300 Ext. 729
e-*mail*: gnadeau@doe.mass.edu
State Education Agency Web Site: www.doe.mass.edu
Number of Students: 954,335
Number of Teachers: 66,944

http://www.doe.mass.edu/edtech/
This is a Web site that goes into great detail about Mass. State tech and distance ed.

State: **Michigan**

Policy Abs: The legislature did not appropriate any money for technology in FY 98.

Michigan Renaissance Fund, an independent economic-development fund supported by gambling revenues, has committed $7M over three years for teacher training in technology.

Michigan is creating a statewide, Web-based information clearinghouse

Policy Adm: Michigan State Legislature
Michigan State Department of Education

Policy: Michigan adopted its current technology plan in January of 98 after the five-year plan adopted in 1992 expired. The current plan contains provisions for periodic revision based on ongoing evaluation of progress. The state has not calculated how much it would cost to implement the plan.

The legislature did not appropriate any money for technology in FY 98.

Michigan Renaissance Fund, an independent economic-development fund supported by gambling revenues, has committed $7M over three years for teacher training in technology.

Michigan is creating a statewide, Web-based information clearinghouse that will include information about best practices. The state is working with regional-level school districts, regional education media centers, and state department instructional offices to create an informal recognition and reward program for teachers using exemplary practices.

The state periodically conducts a district survey on the presence and use of technology. Michigan has partnered with QED in its technology data collection as well.

- Educational Technology Literacy
  This section coordinates and implements Michigan's State Technology Plan, and annually administers more than $18 million in federal grant funds through the Technology Literacy Challenge Fund (TLCF).
- It also coordinates four statewide centers which develop educational technology information, disseminate it, and provide for sustained learning and capacity building. Emphasis on the use of technology in the classroom is a major thrust which is supported by the annual selection of a one or more teachers to be Educators on Loan (EOL).
- This program recognizes teachers who exemplify the outstanding use of technology in the classroom.
- The EOLs further the efforts of the TLCF program by going out to public school districts and conferences throughout the state to demonstrate the innovative use of technology in

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Jamey Fitzpatrick
State Education Agency Technology Contact
Phone: 517-373-6331
e-*mail*: fitz@mde.state.mi.us
State Education Agency Web Site: www.mde.state.mi.us

Number of Students: 1,728,500
Number of Teachers: 90,400

Educational Technology Literacy
Contact: Susan E. King or Richard E. Brown, Jr.
Phone: 517-241-3525
e-mail: KingSE@state.mi.us
BrownRJr@state.mi.us

State **Minnesota**

Policy Abs: Minnesota's current plan for technology was written in 1996
The State has TV grants so that its small, rural districts are not left out.

The state also is creating a Web site that will contain a "curriculum repository" of tasks related to its graduation standards

Minnesota budgeted $90M of its general funds for technology in its biennial budget for FY 98 and FY 99.

Policy Adm: Minnesota State Legislature
Minnesota State Department of Education

Policy: Minnesota's current plan for technology was written in 1996 and is updated every year based on an annual analysis of technology indicators. The state has an informal cost estimate for the plan, but does not disclose it.

The state takes equity into account in distributing competitive grants and interactive TV grants so that its small, rural districts are not left out. The council that distributed telecommunications funds for FY 99 made sure that every district without a T-1 Internet line got one.

The state also is creating a Web site that will contain a "curriculum repository" of tasks related to its graduation standards, and will provide information on technology uses
and software aligned with the standards.

Working with Technology and Information Educational Services, a consortium of districts working to link schools to a statewide network, the state has developed InforMNs, a project designed to provide Internet access and support to all the state's schools.

Minnesota budgeted $90M of its general funds for technology in its biennial budget for FY 98 and FY 99. State officials estimate that technology funding will be between $55M and $65M for the next biennium. In addition, for FY 99, the state gave districts $27 per student to help them prepare for Minnesota's new graduation standards; the money may be spent on technology if districts choose. In FY 00, districts will once again receive standards-related funds; the amount is expected to be $43 per student.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Mark Manning
State Education Agency Technology Contact
Phone: 612-296-3151
e-mail: Mark.Manning@state.mn.us
State Education Agency Web Site: www.educ.state.mn.us
Number of Students: 845,700
Number of Teachers: 48,400

State: **Mississippi**

Policy Abs: The state's first technology plan was written in 1995.

Funds come from a one-time bond measure; the rest are appropriated from the state's general fund.

Sixty-two Technology Literacy Grants were awarded to Mississippi elementary schools in 98.

Policy Adm: Mississippi State Legislature
Mississippi State Department of Education

Policy: The state's first technology plan was written in 1995 and will be updated next year. An informal analysis estimated the plan's cost at $350M over five years. An evaluation of the state's progress in education technology is presented to the legislature annually.

Mississippi spent $34M on technology in FY 98 and will spend an estimated $50M in FY99. Approximately $60M of the combined funds come from a one-time bond measure; the rest are appropriated from the state's general fund.

Sixty-two Technology Literacy Grants totaling $6.6 million were awarded to Mississippi elementary schools in 98. The grants fund programs that use technology to teach reading and language arts.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Mississippi Department of Education
Central High School
P.O. Box 771
359 North West Street Jackson, MS 39205
601-359-3513

Helen Soule
State Education Agency Technology Contact
Phone: 601-359-3954
e-mail: Hsoule@mdek12.state.ms.us
State Education Agency Web Site: mdek12.state.ms.us
Number of Students: 504,995
Number of Teachers: 29,844

State: **Missouri**
University of Missouri-Columbia High School
Columbia, MO

Policy Abs: Provide academic opportunities for students who desire or need to take courses independent of traditional classroom schedules. Over 130 courses

Policy Adm: University of Missouri Center for Distance and Independent Study
cdis@missouri.edu
1-800-609-3727 or 573-882-2491; fax 573-882-6808.

Policy: The University of Missouri-Columbia High School (MU High School) is a part of the University of Missouri Center for Distance and Independent Study, and is accredited by the North Central Association of Colleges and Schools.

The mission is to provide academic opportunities for students who desire or need to take courses independent of traditional classroom schedules. The accredited diploma program is for students of varying ages who are interested in an alternative to traditional high school attendance. MU High School offers a convenient, credible option for home school students, rural students seeking college preparation, gifted students seeking challenges, or students who need to catch up on a few courses. MU High School offers a diverse and comprehensive curriculum, which includes over 130 courses.

Students may still use the MU courses and apply credit earned to graduate from their own high school, or to achieve their personal academic goals.

Missouri: New Technology for Schools
The use of technology continues to mushroom in Missouri schools. This year, 1999-2000, is the sixth consecutive year the Missouri Legislature has authorized $5 million for the Outstanding Schools Act grant program, which helps school districts acquire new computers and other technology. And, for the fifth year in a row, state legislators have appropriated an additional $10 million for school technology grants
Annually, districts are eligible for a basic acquisition grant of $2,000 plus $3.00 per student and an enhancement grant of $4,000 plus $6.00 per student. In 1999-2000, all of Missouri's 524 districts received Technology Acquisition and Enhancement Grants.
Districts are also eligible to apply for competitive "demonstration grants." In 1999-2000, 37 districts were awarded competitive grants, ranging from $10,000 to $50,000, to support computer networks in grades K-9. Forty-one grants were awarded to assist more than 100 districts in implementing and maintaining interactive television networks for instructional use. More than 300 competitive grants have been awarded over the past six years.

Older funding mechanism was a tax on the rental of videotapes at rental stores such as Blockbuster and Hollywood Video. The tax generated approximately $5 million a year for a number of years.

Reimbursement conditions: NA
Fees: $95 per half high school credit unit

Individual Reimbursement condition: NA

Contact: Susan Cole
State Education Agency Technology Contact: Susan Cole
Phone: 573-751-3175
e-mail: scole@mail.dese.state.mo.us

State Education Agency Web Site: www.dese.state.mo.us/
Number of Students: 910,319
Number of Teachers: 60,403

State: **Montana**

Policy Abs: Funding from Timber Cutting is used for Technology

Policy Adm: Montana State Legislature
Montana State Department of Education

Policy: Technology plan was written in 1998, with no implementation casts and no scheduled update.

Funds earned from timber cutting on state owned lands are used to fund educational technology. In 1998 Montana spent 1.5M on Technology. The revenue came from timber harvests on state lands. The amounts depend on actual timber sales from school trust lands, so amounts will not be known until August. State technology funding is distributed to all districts on an equal per-student basis.

Technology Grants (AKA Timber Harvest Monies):
In August 2000, all school districts can expect to receive a technology acquisition grant for FY2001. The single annual payment must be deposited into Fund 28. There is no time limitation on spending it.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Michael Hall
State Education Agency Technology Contact:
Phone: 406-444-4422
e-mail: mhall@opi.mt.gov
State Education Agency Web Site: www.opi.mt.gov
Number of Students: 163,999
Number of Teachers: 10,150

State: **Nebraska**
CLASS-Communications, Learning & Assessment in a Student-centered System
University of Nebraska

Policy Abs: The CLASS Project's goal is to make available on the World Wide Web a complete, accredited high school diploma sequence. When completed in 2001, CLASS will have available 54 web-based courses in which students can enroll.

Policy Adm: University of Nebraska, Department of Distance Education

Policy: Nebraska has created a dynamically interactive, student-centered learning environment delivered electronically via the World Wide Web.

- Students acquire content through moving imagery, graphics, sound, and text within a seamless navigational system that encourages individualized learning, discovery and exploration.
- Helping students manage a multitude of material by providing an electronic "notebook" where students can store and sort everything from video to text.
- Providing the technology needed to support the media. Providing students with choices in their own learning paths.
- Requiring students to interact with the materials in an ever-widening understanding of the concepts being presented.
- Allowing students to determine their own mastery of the material through electronically graded practice exams.
- Providing for interaction between learners and instructors.
- Providing learners with access to digital libraries from national, historic, scientific and research centers over the global and national information infrastructure.
- Stressing the development of life and workplace skills, citizenship responsibilities and critical thinking.
- Designing courses to meet the needs of the population, at-risk individuals, and the gifted.
- Offering new avenues of educational access through cost-effective alternatives to conventional classroom teaching situations.

Reimbursement conditions:
Per course tuition $195 Nebraska Residents. $199 non-residents
School site licenses are available Funding is provided by the Star Schools Program, US Department of Education

Individual Reimbursement condition: NA

Contact: Dean Bergman
State Education Agency Technology Contact:
Phone: 402-471-5023
e-mail: dean_b@nde4.nde.state.ne.us
State Education Agency Web Site: www.nde.state.ne.us
Number of Students: 292,681
Number of Teachers: 20,132

State: **Nevada**

Policy Abs: Technology funding comes primarily from the state sales tax, though additional funds come from both property and gaming taxes.

Nevada's three-year technology plan was written in 1996 and is revised annually.

Policy Adm: Nevada State Legislature
Nevada State Department of Education

Policy Nevada's three-year technology plan was written in 1996 and is revised annually. The state has not calculated how much it would cost to implement the current plan, although it estimated a cost of $370M to achieve its goal of having five computers per classroom. The 1999 plan includes an estimated implementation cost of $55.5M over two years. The plan also recommends an annual evaluation.

Nevada allocated a total of $36.1M for technology in FY 98 and FY 99. The money comes from two funds, one for infrastructure and another for maintenance, professional development, and planning.
Technology funding comes primarily from the state sales tax, though additional funds come from both property and gaming taxes.
In FY 98, the state spent an additional $11M on its SMART program, a system for transferring student records electronically.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Doug Thunder
State Education Agency Technology Contact
Phone: 702-687-9101
e-mail: dthunder@nsn.k12.nv.us
State Education Agency Web Site: www.nsn.k12.nv.us/nvdoe/
Number of Students: 296,621
Number of Teachers: 15,600

State: **New Hampshire**

Policy Abs: The Bell Atlantic telephone company and Cabletron, a local cable company, have committed to providing Internet access to every school and library building in the state.

New Hampshire provides no specific funding for technology

Policy Adm: New Hampshire State Legislature
New Hampshire State Department of Education

Policy: New Hampshire requires teachers to take five hours of technology training every three years to be re-certified. The state's institutes of higher education offer technology training for teachers.

The Bell Atlantic telephone company and Cabletron, a local cable company, have committed to providing Internet access to every school and library building in the state. Bell Atlantic is providing free telephone lines for two years and has also purchased a mobile lab, consisting of 10 laptop computers and an overhead projector, to be used for Internet training programs for teachers provided by New Hampshire Public Television.

New Hampshire provides no specific funding for technology, but districts may use state education funds and building aid for technology.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Judith Fillion
State Education Agency Technology Contact:
Phone: 603-271-3855
e-mail: jfillion@ed.state.nh.us
State Education Agency Web Site: www.state.nh.us/doe/education.html
Number of Students: 196,647
Number of Teachers: 12,606

State: **New Jersey**

Policy Abs: The Comprehensive Educational Improvement and Financing Act of 1996, signed by Governor Whitman on December 20, 1996, includes $50 million for Distance Learning Network Aid.

The Distance Learning Network Aid is to build electronic communities.

Last year, the Bell Atlantic telephone company agreed to offer discounts on school Internet access

www.state.nj.us/njded/flashes/netaid.htm This site describes the state's Distance Education policy in great detail.

Policy Adm: New Jersey State Legislature
New Jersey State Department of Education

Policy: The Comprehensive Educational Improvement and Financing Act of 1996, signed by Governor Whitman on December 20, 1996, includes $50 million for Distance Learning Network Aid. This fund is to establish statewide distance learning networks with each district a member by the 2001-2002 school year.

The Distance Learning Network Aid is to build electronic communities throughout the state for the sharing of services, resources, and experiences as the New Jersey Core Curriculum Content Standards are implemented. These services include (but are not limited to) instructional opportunities, electronic field trips, professional development, and broad information access online.

The first year amount is $50 million. This is calculated at $40 per pupil and is to be distributed to each school district based on student enrollment. For subsequent years, the amount will be adjusted for inflation using the Consumer Price Index (CPI). Exact amount will be in state aid notices.

New Jersey appropriated $50M from the general fund for technology in FY 98. The state will provide the same amount of funding, with increases for inflation, for FY99.

Last year, the Bell Atlantic telephone company agreed to offer discounts on school Internet access, with an estimated savings for schools of $130M over four years. In addition, the company will establish a statewide network by 2001.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Julia Stapleton
State Education Agency Technology Contact
Phone: 609-984-1644
e-mail: jstaplet@doe.state.nj.us
State Education Agency Web Site: www.state.nj.us/education/
Number of Students: 1,231,059
Number of Teachers: 90,172

State: **New Mexico**

Policy Abs: New Mexico calculated the 1995 plan to cost $130M over three years.

New Mexico spent $4.4M from its general fund in FY 98 on technology and plans to spend the same in FY 99.

A virtual resource center, slated to be launched in September.

New Mexico has established distance-learning partnership.

Policy Adm: New Mexico State Department of Education

Policy: New Mexico calculated the 1995 plan to cost $130M over three years.

New Mexico spent $4.4M from its general fund in FY 98 on technology and plans to spend the same in FY 99. The state will spend an additional $1M in FY 99 on multimedia hardware and will receive matching funds from Intel and New Mexico Technet.

A virtual resource center, slated to be launched in September, will highlight promising instructional practices on the Web.

New Mexico has established distance-learning partnerships between -12 schools and institutions of higher education.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: NA

State: **New York**

Policy Abs: In FY 00, the state expects to spend $292M.

Wired for Learning is both a communications vehicle and development environment that enables the delivery of Standards-based Learning Experiences to New York State teachers through the World Wide Web.

Office of Educational TV & Public Broadcasting
NY State Education Department Programs on Public TV

NYS Public Radio Stations use the following links to locate your local Public Radio Station.

E-rate funding awards to schools and libraries in New York State

Policy Adm: New York State Legislature
New York State Department of Education

Policy New York does not have an up-to-date technology plan. The first state plan was written in 1989 and is in the initial stages of being revised. However, a governor's task force estimated the state's education technology needs to be $1B over the next five years.

The state appropriated $213M in FY 98 from its general fund education technology. This figure includes $60M that was earmarked for administrative purposes.

For FY 99, the state department of education anticipates the legislature appropriated $239M for technology from its general fund, with the amount of money going to administrative technology remaining static.

In FY 00, the state expects to spend $292M.

Wired for Learning is both a communications vehicle and development environment that enables the delivery of Standards-based Learning Experiences to New York State teachers through the World Wide Web. The New York State implementation of Wired for Learning is made up of a series of related databases customized to house a wealth of instructional resources. Teachers tapping into these databases can find lesson plans that have been judged "exemplary" by a special jury of their peers, as well as strategies and practices that will enhance their instruction, help them identify solutions to stubborn classroom problems, and enable them to meet NYSED’s educational objectives.

Access to this database of essential teacher-related information will be enhanced by a Wired for Learning "chat room" for teachers. Teachers can enter either public or private discussion areas to learn what their colleagues are accomplishing, receive or offer advice, and build off each other’s good work. Teachers will also be able to use Wired for Learning to create their own "Home Pages" and elicit support from a bank of pre-approved "Mentors".

Office of Educational TV & Public Broadcasting
NY State Education Department Programs on Public TV

"Leadership" is a series of monthly half-hour programs focused on the issue of leadership in education. New York State Education Commissioner Richard Mills and educational leaders across New York State will examine issues like making high standards work recruitment of new leaders in education and innovative new programs. The programs incorporate video segments illustrating success in school leadership.

NYS Public Radio Stations use the following links to locate your local Public Radio Station:

E-rate funding awards to schools and libraries in New York State during the first year of the program totaled $165 million dollars. At least an equivalent amount of funding is expected for the second program year beginning July 1, 1999. This does not include E-rate discounts on telecommunications, Internet access, and internal wiring services.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Chuck DeVoe
State Education Agency Technology Contact
Phone: 518-486-5832
e-mail: cdevoe@mail.nysed.gov
State Education Agency Web Site: www.nysed.gov
Number of Students: 2,831,900
Number of Teachers: 199,000

State: **North Carolina**

Policy Abs: Technology Literacy Challenge Grant
School Technology Trust Fund
Star Schools

In FY 98, North Carolina appropriated $30M for education technology from the state's general fund. The money, collected from a variety of sources, including state fines and forfeitures

Evaluation Four DPI Instructional Technology Planning and Integration consultants, in collaboration with three technical consultants on the IRM/Commerce team, continue to assist school systems in the implementation of local technology plans.

Policy Adm: North Carolina State Legislature
North Carolina State Department of Education

Policy: North Carolina's five-year plan was written in 1995 and is updated biennially. The plan was calculated in 1995 to cost $381M. Revisions to the plan last year were not accompanied by adjustments to existing cost projections.

In FY 98, North Carolina appropriated $30M for education technology from the state's general fund. The money, collected from a variety of sources, including state fines and forfeitures, goes into a state trust fund that accrues interest. The funds assist with the implementation of school technology plans.

Evaluation Four DPI Instructional Technology Planning and Integration consultants, in collaboration with three technical consultants on the IRM/Commerce team, continue to assist school systems in the implementation of local technology plans. In addition to on-site consultation and district meetings, the consultants work with the systems to determine the impact of the plans. Data is being collected on equipment and Internet use by the Annual media and Technology Report and on student performance and teacher training by a School Technology Commission survey.

School Technology Trust Fund
These funds were to be used to help implement their State Board approved long-range technology plans.

The General Assembly appropriated $42 Million in 1995 and $20 Million in 1996 to be distributed to school systems through the interest-bearing, non-reverting School

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Elsie Brumback
State Education Agency Technology Contact:
Phone: 919-715-1530
e-mail: ebrumbac@dpi.state.nc.us
State Education Agency Web Site: www.dpi.state.nc.us
Number of Students: 1,226,293
Number of Teachers: 81,310

State: **North Dakota**

Policy Abs: C.I.I. is a Company that has formed to support the N. D. Schools in their bid to use more online educational practices.

In FY 98 and FY 99, North Dakota allocated a total of $1M from its general fund. The money is distributed through a competitive-grant process.

Policy Adm: North Dakota State Legislature
North Dakota State Department of Education

Policy North Dakota does not have a technology plan it considers functional.

The state's curriculum guidelines were written in the 1980s and have not been revised. The guidelines include a stand-alone technology document. Although the state has its math and science frameworks on the Web, it does not place its curriculum frameworks on the Internet.

The Public Instruction Educational Resources
On this Web site the State has listed most of their resources for online learning.

The Center for Innovation in Instruction
“Improving Teaching with Technology
Customized Learning
C.I.I. is committed to meeting the need of North Dakota Educators.
Customized training will be developed upon your request.
This is a Company that has formed to support the N. D. Schools in their bid to use more online educational practices.

In FY 98 and FY 99, North Dakota allocated a total of $1M from its general fund. The money is distributed through a competitive-grant process and can be used on any purchase or program that is technology-related.

Public Instruction Grant Info
This Web site has been developed to help get grants for Technology and other distance education opportunities.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Joseph Linnertz
State Education Agency Technology Contact
Phone: 701-328-2278
e-mail: jlinnert@mail.dpi.state.nd.us
State Education Agency Web Site: www.dpi.state.nd.us
Number of Students: 116,813
Number of Teachers: 7,884

The Public Instruction Educational Resources
www.dpi.state.nd.us/dpi/dpi/educatio.htm

Center for Innovation in Instruction
www.cii.k12.nd.us/planning/techplan.html#top

Public Instruction Grant Info
www.dpi.state.nd.us/dpi/grants/index.htm

State: **Ohio**

Policy Abs.: In FY 98 and FY 99 combined, Ohio appropriated $242M for technology.
Ohio plans to include video segments of innovative technology practices on its Web site.
The Ohio SchoolNet Telecommunity, was founded in1995.

Policy Adm.: Ohio State Legislature
Ohio State Department of Education

Policy: In FY 98 and FY 99 combined, Ohio appropriated $242M for technology. Of these funds, $30M came from the state's lottery fund, while the rest was appropriated from the general fund.

Last fall, the state aired on public television a six-hour "telecourse" for teachers, giving examples of best uses in technology. Ohio also plans to include video segments of innovative technology practices on its Web site.

The Ohio SchoolNet Telecommunity, founded in1995, is a six-year, $26M program to deploy two-way, fully interactive distance-learning capabilities at all Ohio schools.

About 446 of the state's 611 districts received grant money this year.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Tim Best
State Education Agency Technology Contact
Phone: 614-728-8324
e-mail: best@osn.state.oh.us
State Education Agency Web Site: www.ode.ohio.gov
Number of Students: 1,845,000
Number of Teachers: 105,275

State: **Oklahoma**

Policy Abs.: Alternative Education
The state puts technology-based lesson plans on its Web
State grants
Surcharges on all telephone lines
Settlement with Southwestern Bell over rate overcharges.

Policy Adm.: Oklahoma State Dept of Education
Oklahoma State Legislature

Policy: Alternative education is designed to help students who do not succeed in the traditional setting of a classroom. It is a one-year grant.

- High Challenge This program is for schools that want to serve a population of students who are considered to be high challenge. Small School Cooperative, this program is offered for districts below 800 ADA. It allows small districts to coop teachers in the areas of math, science, foreign language, computer education, visual art or music.
- Arts in Education This program is designed to provide students from K-12 access to all the arts, including music, visual art, drama and dance.
- Community Education Community Education is a concept that brings community members to the schools and links needs and resources to enhance the education of the community.
- Oklahoma Parents as Teachers (OPAT) Oklahoma statute supports all school districts having a parent education program. OPAT links schools to families and serves those with children birth to age three. The program is designed to provide parents an opportunity to enhance their child's development in all areas: learning, intelligence, social and emotional, and physical.

The state puts technology-based lesson plans on its Web site and hosts chat rooms to help teachers integrate technology into the classroom.

They are using TLCF grants for Project Aurora, an effort to allow students on-line access to data on Oklahoma's geography. Students are currently collecting the data and putting it on the Web.

The state legislature passed a bill last year that would offer all schools the technical capacity to connect to the state network; the bill has not implemented.

In FY 98, Oklahoma spent $1M to establish teacher-training centers for technology. The money came from a program that places surcharges on all telephone lines in the state.

In FY 99, the state plans to earmark $16.8M for technology from its general fund. In FY 98 and FY 99, the state also distributed $1M annually to schools for distance learning. The money resulted from a settlement with Southwestern Bell over rate overcharges.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Phil Applegate
State Education Agency Technology Contact:
Phone: 405-521-3994
e-mail: phil_applegate@mail.sde.state.ok.us
State Education Agency Web Site: sde.state.ok.us
Number of Students: 625,011
Number of Teachers: 39,809

State: **Oregon**
Cyberschool
http://www.cyberschool.k12.or.us

Policy Abs.: "CyberSchool courses help you solve two problems -- scheduling conflicts and reduced course offerings. Plus, CyberSchool course offerings add cultural diversity and cutting edge technology to your curriculum."

Policy Adm.: North Eugene High School

CyberSchool is accredited by the following regional and planetary associations:

NASC (Northwest Association of Schools and Colleges)
CITA (the Commission on International and Trans-Regional Accreditation)
ACIIE (Accreditation Commission for International Internet Education)

Policy: "The CyberSchool Consortium is an association of public educational

Reimbursement conditions: Typically, schools pay the tuition for courses their students take. Schools usually decide ahead of time what courses they want their students to have and who can take them. Each individual semester class costs $300 per student. A one-unit course lasting three and one-half weeks costs $60.

Individual Reimbursement condition: Sometimes parents pay for courses. This is often the case for CyberSummerSchool or for homeschool students. Credit card, school purchase order, check, cashiers check, or money-order. (Checks, cashiers checks, or money-orders must be received within 7 days of the registration date.)

Contact: David Rike
State Education Agency Technology Contact
Phone: 503-378-3310
e-mail: david.rike@ode-ex1.ode.state.or.us
State Education Agency Web Site: www.ode.state.or.us
Number of Students: 540,584
Number of Teachers: 26,914

Eugene School District
Eugene, Oregon

State: **Pennsylvania**
Keystone National High School (private)
http://distancelearn.about.com/education/distancelearn/gi/dynamic/offsite.htm?site=http://www.keystonehighschool.com/sp%5Finfodesk.htm

Policy Abs.: Keystone National High School is a private, licensed, accredited high school. Like traditional high schools, Keystone offers a full range of courses for grades 9-12, provides strong student support and awards a recognized diploma to those students who successfully meet graduation requirements.

Keystone National High School is a leading provider of distance education programs of study. It has developed an independent study program that allows students to complete high school at home.

Policy Adm.: Accreditation
Licensed by the State Board of Private Licensed Schools, Commonwealth of Pennsylvania and accredited by the following recognized accrediting bodies:

The Commission of Schools and Colleges of the Northwest Association of Schools and Colleges (NASC), one of six regional accrediting commissions responsible to accrediting high schools and colleges across the US.

The Accrediting Commission of the Distance Education and Training Council (DETC) is listed by the U.S. Department of Education as a nationally recognized accrediting agency and is a recognized member of the Commission on Recognition of Postsecondary Accreditation.

Policy: General Requirements
In order to enroll in Keystone National High School, students must meet the following requirements:
Students must have a working knowledge of the English language.
Students must have completed the 8th grade.

Students seeking a diploma from Keystone National High School's program must complete 21 units of credit to graduate. Please see Graduation Requirements for further details.
Keystone will accept other verifiable high school credits towards the completion of the 21 credits required for graduation.

Students must, however, complete a minimum of five Keystone National courses to be awarded a Keystone National High School Diploma."

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Pennsylvania Classroom Connect: Internet Made Easy in the Classroom
1866 Colonial Village Lane
Lancaster, PA 17601-6704
800-638-1639
connect@classroom.net
http://www.classroom.net
info@classroom.net

Classroom Connect free Web site links to the hottest educational web links and in-depth information about
using the Internet in the K-12 classroom. It includes GRADES database, Teacher Contact Database, and
product information. They have even created a virtual auditorium- a real-time chat for educators, students,

and parents.

Eugene School District
Eugene, Oregon

State Education Agency Web Site: www.cas.psu.edu/pde.html
State Education Agency Technology Contact: John Bailey
Phone: 717-787-5820
e-mail: jbailey@gois.state.pa.us
Number of Students: 1,812,880
Number of Teachers: 106,900

State: **Rhode Island**

Policy Abs: $3.5M went to schools for technology from two philanthropic groups, the Rhode Island Foundation and the Champlin Foundations.

The state network has connected two-thirds of the private and public schools to high-speed connections by offering low rates.

Policy Adm.: Rhode Island State Department of Education

Policy: Rhode Island appropriated $1.5M for technology from the state's general fund in FY 98 and designated another $3.4M for one-time, special legislative grants.

In the same year, $3.5M went to schools for technology from two philanthropic groups, the Rhode Island Foundation and the Champlin Foundations. Rhode Island appropriated $3.5M for technology in FY 99, another $4M will come from the same philanthropic sources.

The state network has connected two-thirds of the private and public schools to high-speed connections by offering low rates. The program has also offered e-mail addresses to every teacher and administrator in the state.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: William Fiske
State Education Agency Technology Contact
Phone: 401-222-4600, Ext. 2130
e-mail: fiske@ride.ri.net
State Education Agency Web Site: instruct.ride.ri.net/
Number of Students: 152,042
Number of Teachers: 10,764

Adelita Orefice, Director, ext. 2402
Ann Arruda, Principal Clerk Stenographer, ext. 2401
Rhode Island Department of Education
Office of Finance
255 Westminster Street, 6th floor
Providence, RI 02903
Phone: 401-222-4600
Direct Telephone Line: (401) 222-3124
Fax: 401-222-2823
www.ridoe.net/az/index.html

Technology Preparation
Purpose: school/college linked technology ed. programs
Funding Source: Federal
Federal Domestic Assistance Number:
FY1999-2000 Award to RI: $ 350,000
Telephone 401-222-3124
Perkins Vocational & Technical Education

State: **South Carolina**

Policy Abs: Goals 2000 and Technology Literacy Challenge Fund initiatives
State Contracts Useful to Schools and Libraries for E-Rate Purposes

Policy Adm: South Carolina State Department of Education

Policy: Goals 2000 and Technology Literacy Challenge Fund initiatives
South Carolina schools, districts, and public libraries are eligible to receive $25,041,848.84 in E-Rate discounts and/or refunds.
Nationally over 1.92 billion has been committed

Technology Literacy Challenge Fund TLCF
Star Schools
Learning Anytime Anywhere Partnerships LAAP

State Contracts Useful to Schools and Libraries for E-Rate Purposes:
Bell South, SCNET, Multivendor, NEXTEL, INFO Ave, Cisco/GE Capital, Novell-SLA's are the providers of the following:

Communication Equipment
Personal Communication
Internet Services
Two-Way Radio
Long Distance Rates
Payphone Commissions
Communication Peripherals
Network Products
Copiers
Personal Computers-Lease
Personal Comp. Purchase
Minicomputers
Computer Peripherals
Computer Software
Data Entry Services
Facsimile Equipment
Network Software
Laser Printers
Personnel-It Temporary (Six Month)
Risc 6000 Hardware & Maintenance
Sun Equipment & Maintenance
Training
Video Conferencing Equipment
Westlaw Software

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Linda Bartone
State Education Agency Technology Contact
Phone: 803-734-8395
e-mail: lbartone@sde.state.sc.us
State Education Agency Web Site: www.state.sc.us/sde
Number of Students: 647,430
Number of Teachers: 41,360

Barbara Teusink, Director
SC Department of Education
Office of Technology
1429 Senate St., Room 604C

Columbia, SC 29201
803-734-3247 Phone
803-734-8661 Fax
ed.gov/Technology/distance.html

State **South Dakota**

Policy Abs: South Dakota's schools won $250,000 in a lawsuit concerning school milk prices. The funds were given to the state and designated for education technology in FY 98, with some rollover into FY 99.

During the 2000 session, the South Dakota Legislature created a new office within DECA called the Office of Educational Technology, "exclusive role shall be assisting local school districts in using educational technology.

There are seven K-12 Distance Learning Networks. Some of these networks have been offering learning opportunities for South Dakota students since 1994, while others are just developing

Policy Adm: South Dakota State Department of Education
South Dakota State Legislature

Policy South Dakota appropriated $4M for technology in FY 98 from the state's general fund. In FY 99, South Dakota appropriates $6.1M from the general fund. South Dakota's schools won $250,000 in a lawsuit concerning school milk prices. The funds were given to the state and designated for education technology in FY 98, with some rollover into FY 99.

High school and state college courses are available over the Web, and degrees at both levels are available through this form of distance learning.

During the 2000 session, the South Dakota Legislature created a new office within DECA called the Office of Educational Technology. According to Section 4 of House Bill 1257, the Office of Educational Technology's "exclusive role shall be assisting local school districts in using educational technology. Its purpose shall include researching, analyzing, procuring, and distributing programs and methods using educational technology in South Dakota K-12 schools and classrooms." The office consists of a program manager, five technology integration specialists, the DECA webmaster, and clerical support.

Distance Education
South Dakota has seven K-12 Distance Learning Networks. Some of these networks have been offering learning opportunities for South Dakota students since 1994, while others are just developing

Since 1995, South Dakota has had experience with two-way audio/video instruction via the RDT Network. In addition to the RDT Network, six video consortiums exist in the state. They are comprised mostly of K-12 school districts, with North Central Area interconnect (NCIA) dating back to 1994. The Sanborn Interactive Video Network (SIVN) started offering classes in January 1996; the Southeast Interactive Long Distance Learning Consortium (SILDL) offered its first class in fall 1998; and the East Central Interconnect (ECI) offered it first classes this fall.

As the Digital Dakota Network is established, South Dakota has a wealth of information, resources, and experience to guide its development. DECA thanks staff at all the video consortiums in South Dakota for a willingness to share their experiences, knowledge, and enthusiasm for Distance education.

Contact: Jim Parr
State Education Agency Technology Contact
Phone: 605-394-1876
e-mail: jparry@sdtie.scserv.org
State Education Agency Web Site: www.state.sd.us/deca/

Number of Students: 141,390
Number of Teachers: 9,749

Office of Technology
Tammy Bauck, Program Manager – Phone: 605-773-6118 email: tammybauck@state.sd.us

DISTANCE EDUCATION RESOURCES
Rural Development Telecommunications (RDT) Satellite Network
www.state.sd.us/bit/tele/rdtn/rdtn.htm

Sanborn Interactive Video Network (SIVN)
Mti.tec.sd.us/teleport/sdnetworks.htm

Southeast Interactive Long Distance Learning (SILDL)
www.usd.edu/sildl

National Telecommunications & Information Administration
www.ntia.doc.gov/

Distance Education and Training Council (see resources)
www.detc.org/

Distance Learning Resource Network (WestEd)
www.state.sd.us/deca/technology/DistanceEd/index.htm

State: **Tennessee**

Policy Abs.: Goals 2000: Educate America Act

21st Century Challenge Plan

The Upper East Tennessee Education Cooperative (UETEC) is a regional organization of schools with a common purpose: the sharing of resources and talents to offer unique educational opportunities for students of all ages in the region.

Wilson County is both an urban and rural school systems with 10,695 students in 14 schools. It has deployed elements of a system-wide technology and networking plan within the last year, utilizing -- particularly in the network -- no “additional” funding.

Connect Tennessee Students is a nonprofit group working in partnership with the state and private businesses to foster technology use.

Policy Adm.: Tennessee State Legislature
Tennessee State Department of Education

Policy: Since July 1993, Tennessee’s State legislature has appropriated approximately $100 million exclusively for education technology.

Tennessee Education Network (TEN) will be a comprehensive statewide administrative, professional, and instructional network, which will provide for the transmission of voice, data, image, and video. Tennessee classrooms will be connected to TEN through a series of easy-to-use local and wide area networks.

Upper East Tennessee Education Cooperative
The Upper East Tennessee Education Cooperative (UETEC) is a regional organization of schools with a common purpose: the sharing of resources and talents to offer unique educational opportunities for students of all ages in the region. The UETEC is a voluntary confederation of fifteen (15) city and county school systems. They are joined in this relationship for the purpose of increasing their capability to improve educational services. UETEC officials saw the vast potential for resource sharing through distance learning -- the connection of multiple sites over a technologically advanced fiber-optic infrastructure. With technical and funding assistance from the Tennessee Valley Authority, the Appalachian Regional Commission and the State of Tennessee, the concept became a reality.

At the beginning of the 1991 school year, Tennessee’s first multi-county distance learning video network sprang to life over fiber-optic facilities provided by Sprint United Telephone.

Wilson County Schools
Wilson County is both an urban and rural school system with 10,695 students in 14 schools. It has deployed elements of a system-wide technology and networking plan within the last year, utilizing -- particularly in the network -- no “additional” funding. The work has been done essentially “in house” through the efforts of the system’s technology coordinators. These tasks included:

* Local Area Network wiring
* Training of Wilson County 21st Century Classroom teachers
* TEN Internet (“Virtual School”) training of 150 additional teachers
* TEN Internet training of school principals and school board members
* Telephone/modem access for fifty-one 21st Century Classrooms

* Training of teachers and secretaries on the school system's student information system
* Automation for the scheduling of substitute teachers

Two (soon to be three) interactive video classrooms using ISDN and desktop video technology

Connect Tennessee Students is a nonprofit group working in partnership with the state and private businesses to foster technology use. Its initiatives include encouraging local businesses to give $2 per student to schools to reimburse them for their Internet costs.

In FY 98 and FY 99, Tennessee budgeted $7M a year for education technology from the state's general fund.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Jackie Shrago
State Education Agency Technology Contact
Phone: 615-532-1229
e-mail: shragoj@ten-nash.ten.k12.tn.us
State Education Agency Web Site: www.state.tn.us/education/
Number of Students: 905,860
Number of Teachers: 51,976

State: **Texas**
The UT Austin High School Diploma Program
http://www.utexas.edu/cee/dec/uths/inex.html

Policy Abs: Texas also annually spends $14.6M of its Telecommunications Infrastructure Fund for statewide technology initiatives; fees collected from telecommunications companies support the fund.

The state appropriated $110M for education technology from the state's general fund in FY 98

Policy Adm.: The University of Texas at Austin High School Diploma Program
Texas State Department of Education

Policy: Tuition is $79 per course per semester. Students must complete the TAAS (Texas Assessment of Academic Skills) Tests in reading, writing, and mathematics prior to graduation. Students living outside Texas will be instructed in how to have the TAAS administered.

The state appropriated $110M for education technology in FY 98. Funding is based on an annual $30 per-pupil expenditure, and the money comes from the state's general fund.

Texas also annually spends $14.6M of its Telecommunications Infrastructure Fund for statewide technology initiatives; fees collected from telecommunications companies support the fund. In addition, districts may use portions of their state textbook allotment for electronic technology

Reimbursement conditions: Typically by purchase order from a school district.

Individual Reimbursement condition: Master Charge and Visa, as well as a $25 application fee.

Contact: Continuing and Extended Education
Independent and Distance Learning
P.O. Box 7700
Austin, TX 78713-7700

State: **Utah**
Electronic High School
http://ehs.uen.org/

Policy Abs.: Courses are delivered in a number of ways

- over broadcast television on KUED and KULC
- over the EDNET system for two-way conferencing
- over the Internet ."

Policy Adm.: Utah State Department of Education

Policy The Utah Education Network is the statewide partnership that coordinates electronically delivered instruction and services.
UEN is a collaborative partnership of:
Utah State Office of Education and Utah System of Higher Education Public schools, colleges, universities
Business KUED-Channel 7 and KULC-Channel 9 EDNET, Interactive Video Services and UtahLINK -Utah's Online Education Resource and The Electronic High School

Credit: After completing a class, teachers contact the Electronic School at with student credit information. The EHS principal ensures that the local school is notified of earned credit with an official letter. EHS courses are comparable in difficulty and content to courses being offered in any of Utah's high schools. However, these courses demand that students be motivated sufficiently to complete the class work independently.

Courses delivered on KUED and KULC have specific broadcast dates and consequently must be completed in a fairly rigid time frame. Similarly, courses delivered on EDNET are usually held during the school day and a student must have access to an EDNET studio in order to take a class.

Internet delivered courses are typically open enrollment: a student may register for a course any day of the year. Most of the classes have great flexibility in the amount of time a student has to complete the course. The exceptions are the advanced placement classes that must be completed in time to take the AP exams.

Reimbursement conditions: These five classes are free to Utah students.
Out of state students pay $100 per semester.

Individual Reimbursement condition: N/A

Contact: Vicky Dahn
State Education Agency Technology Contact
Phone: 801-538-7732
e-mail: vdahn@usoe.k12.ut.us
State Education Agency Web Site: www.usoe.k12.ut.us
Number of Students: 479,150
Number of Teachers: 20,500

State: **Vermont**

Policy Abs.: In FY 98, the state appropriated $500,000 in capital-bond funds to support distance-learning technology.

The state did not appropriate education technology funds for FY 99. A recipient of an IBM Reinventing Education Grant, Vermont was awarded a three-year, $2M grant.

The state helps create regional consortia of schools and organizations that provide assistance on technology.

The state used Medicaid reimbursement funds to purchase 1,600 computers for schools

National Science Foundation grant awarded to the Vermont Department of Education.

Policy Adm: Vermont State Department of Education

Policy: Vermont determined that $117M would be needed to have schools at a minimum level of technology. In FY 98, the state appropriated $500,000 in capital-bond funds to support distance-learning technology.

The state did not appropriate education technology funds for FY 99. A recipient of an IBM Reinventing Education Grant, Vermont was awarded a three-year, $2M grant to provide hardware where it is needed and to develop technological tools for teachers' use in scoring student portfolios and developing curriculum units

The state helps create regional consortia of schools and organizations that provide assistance on technology.

The state used Medicaid reimbursement funds to purchase 1,600 computers for schools and allowed schools to purchase equipment with their own funds at the same discounted rates given the state. The state has joined with local businesses to develop one integrated information system for student data, curriculum management, and financial management.

Goals 2000 Grant Opportunities
Federal Resources for Educational Excellence (FREE)

The Vermont Institute for Science, Math, and technology (VISMT) was established in 1992 as a non-profit organization to implement a $9.6 million National Science Foundation grant awarded to the Vermont Department of Education.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Phil Hyjek
State Education Agency Technology Contact
Phone: 802-828-3111
e-mail: phyjek@madriver.com
State Education Agency Web Site: www.state.vt.us/educ
Number of Students: 105,687
Number of Teachers: 7,833

Bill Romond

Director of Information Technology Planning
Phone: 802-828-0064
Vermont Education Matters
120 State Street—Montpelier, VT 05620-2501
802-828-3147 fax 802-828-3140
www.vismt.org/about/index.html

State: **Virginia**

Policy Abs.: The Virginia General Assembly, on the recommendation of an educational excellence report, established a statewide distance learning program in 1988

The Virginia General Assembly, on the recommendation of an educational excellence report, established a statewide distance learning program in 1988

The state estimated the plan would cost between $240M and $310M, not including teacher training.

2000 Technology Literacy Challenge Subgrant

Policy Adm: State Department of Education

Policy: The Virginia General Assembly, on the recommendation of an educational excellence report, established a statewide distance learning program in 1988 that provides student courses and staff development via satellite and other electronic means. That program has become the Virginia Satellite Educational Network (VSEN) which offers 12 student courses from three years each of Latin and Japanese to advanced placement courses in calculus, statistics, history, government, and English. We also offer a number of staff development courses in curriculum areas.

The state estimated the plan would cost between $240M and $310M, not including teacher training. Virginia hired an independent contractor to assess the state's progress on the plan.

In FY 98, the state spent $61M--$45M for technology initiatives and $16M for graphing calculators. The latter came from a one-time transfer of unclaimed health-fund reimbursements to the state.

In FY 99, the state plans to spend $700,000 for evaluations of technology deployment.

In FY 00, Virginia will devote $50M to technology initiatives. The state has no annual stream of funding, but plans to spend a total of $112M over the 1998-2000 biennium.

The true focus of the Technology Literacy Challenge Sub-grant is for technology training and acquisition of supporting software/hardware. Funding will range from a minimum of $30,000 to a maximum of $60,000 per sub-grant.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Lan Nugent
State Education Agency Technology Contact
Phone: 804-692-0334
e-mail: lneugent@mail.vak12ed.edu
State Education Agency Web Site: 141.104.22.210/
Number of Students: 1,110,815
Number of Teachers: 72,113

Greg Weisiger
Virginia Department of Education

gweisige@mail.vak12ed.edu (Greg Weisiger)

Lam Meigemt
Technology
Asst. Superintendent
Phone: 804-786-2260

Edna Traylor
Division Secretary
Phone: 804-225-2757

Gregory W. Weisiger
Teleproduction Services
Division Secretary
Phone: 804-692-0335

State: **Washington**

Policy Abs.: Provide unlimited and exciting learning opportunities for all students, with comprehensive curriculum provided by certificated teachers over the Internet.

Policy Adm: Federal Way School District
Washington State Department of Education

Policy Students who reside within the State of Washington may attend the Internet Academy without paying tuition by submitting an Interdistrict Transfer form from the school district in which they reside provided they take less than a full load of classes at another school institution. For students in grades K-8 four classes constitute a full class load and for students in grades 9-12 six classes make up a full curriculum.

The state appropriated a total of $39M from a state education savings account for education technology in FY 97 and FY 98. The account consists of unspent education funds from the previous school year. The funds spent in FY 98 included $19.5M for competitive grants and $2M for a statewide, on-line education network.

"Learning Space" grant from the U S WEST Foundation and the Washington Education Association Teacher Network. The grant provided 570 teachers with laptop computers and training in telecommunications technologies. Each of the 570 teachers is expected to train 10 other teachers.

Reimbursement conditions: Free to students who reside within the State of Washington Students whose permanent address is outside of the State of Washington are required to pay tuition. Tuition for students in grades K-8 is $138.00 per class per quarter (nine weeks). Tuition for students in grades 9-12 is $275.00 per .5 credit course per semester.

The Internet Academy has a full summer school program available to all students. Summer school is entirely tuition based. Tuition for students in grades K-8 is $140 and for students in grades 9-12 tuition is $160.00 per.5 credit course.

Individual Reimbursement condition: NA

Contact: Cathy Parise
State Education Agency Technology Contact
Phone: 360-586-2053
e-mail: cparise@inspire.ospi.wednet.edu
State Education Agency Web Site: www.ospi.wednet.edu
Number of Students: 991,235
Number of Teachers: 48,892

Federal Way School District Internet Academy
32020 1st Avenue S. #109
Federal Way, WA 98003
253-945-2230, (fax) 253-945-2233
http://www.iacademy.org
Federal Way School District
http://www.fwsd.wednet.edu

State: **West Virginia**

Policy Abs: The West Virginia Department of Education received a 3-5 year, $2 million grant from IBM for Reinventing Education.

In July of 1998, a coordinated effort with Curriculum Technology Resource Center (CTRC) provided laptops

In FY 98, West Virginia appropriated $22.4M for technology, the state's building authority spent $2.5M for school wiring, and the Bell Atlantic phone company gave an $8M grant to network schools.

In FY 99, the state appropriated $22M for technology, with building-authority money staying static.

Virginia also received an IBM Reinventing Education Grant.

West Virginia has leveraged corporate support for technology from a variety of sources.

Policy Adm: West Virginia Department of Education

Policy The West Virginia Department of Education received a 3-5 year, $2 million grant from IBM for Reinventing Education. The project focuses on using the Internet to improve student achievement, originally in the Math area, and it has received national recognition again with an invitation to showcase at the Technology and Learning Conference.

In July of 1998, a coordinated effort with Curriculum Technology Resource Center (CTRC) provided laptops and staff development to 36 selected teachers in the areas of language arts, science and social studies.

In FY 98, West Virginia appropriated $22.4M for technology; approximately $16M came from the state lottery, and the rest was from the general fund. Also, the state's building authority spent $2.5M for school wiring, and the Bell Atlantic phone company gave an $8M grant to network schools.

In FY 99, the state appropriated $22M for technology, with building-authority money staying static.

Virginia also received an IBM Reinventing Education Grant to have teachers establish innovative technology lesson plans that relate to the state standards and place them on the Internet.

West Virginia has leveraged corporate support for technology from a variety of sources. The state has established a partnership with Intel, which the state receives donated and second-hand Intel chips. The state's "World School" program, which was established with the help of Bell Atlantic, has issued more than 25,000 e-mail accounts and provided Internet access to more than 95% of West Virginia's schools.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Brenda Williams

State Education Agency Technology Contact
Phone: 304-558-7880
e-mail: brendaw@access.k12.wv.us
State Education Agency Web Site: wvde.state.wv.us
Number of Students: 300,737
Number of Teachers: 20,641

West Virginia Department of Education
Office of Technology and Information Systems
1900 Kanawha Blvd., East
Building 6, Room 346
Charleston, West Virgina 25305
access.k12.wv.us/reinvent/index.htm

State: **Wisconsin**

Policy Abs.: Carl Perkins Vocational and Technical Education Act of 1998

Policy Adm.: Wisconsin State Department of Education

Policy

Carl Perkins Vocational and Technical Education Act of 1998
To receive Carl Perkins Vocational and Technical Education Act of 1998 (hereafter called CPA III) funds, individual states develop state plans that are based on the purpose of the Act, State Plan Goals, core indicators, State adjusted levels of performance, as well as other specific requirements.
These state plans are reviewed and approved by the U. S. Department of Education (USDOE). Following this approval, Wisconsin's secondary schools apply for federal funds to improve vocational and technical education programs through the development and submittal of an application and corresponding budget based on Wisconsin's State Plan for use of the federal funds.
Of the options available to states, Wisconsin has chosen to develop a "one-year transition" plan for FY '00 (July 1, 1999 - June 30, 2000). A transition plan includes only the following portions of a total state plan:

A. plan for use of federal funds,
B. core indicators and State adjusted levels of performance, and
C. Tech Prep.

By May 1, 2000, Wisconsin will submit a comprehensive plan for the next four years of the Act, i. e., July 1, 2000 June 30, 2004.

State spending in FY 98 for the TEACH Wisconsin technology program included $27M in block grants, $2M in competitive grants for training and technical assistance, $5M in competitive grants for schools and libraries, and $4.4M for telecommunications access, for a total of $38.4M. The funds came from a variety of sources, including the state's general fund and its universal-service fund.

Wisconsin has established a state universal-service fund, which provides discounted telecommunications access for school districts through TEACH Wisconsin.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact:

Neah Lohr
State Education Agency Technology Contact
Phone: (608) 266-3856
e-mail: lohrnj@mail.state.wi.us
State Education Agency Web Site: www.dpi.state.wi.us
Number of Students: 891,588
Number of Teachers: 55,987

Stephen Sanders
Long Distance Learning
608-266-7112

State: **Wyoming**

Policy Abs: The technology plan was adopted in 1998

$11.2M from the state's general fund for FY 99 and FY 00.

The state has appropriated 11.2M from the state's general fund for FY99 and FY00. The funds are for the Wyoming Equality Network, a statewide data and video network.

2000-2001 Goals 2000/TLCF Grant Awards. The Department of Education in Wyoming is making funding available for the sixth year.

Policy Adm: Wyoming State Legislature
Wyoming Department of Education
Wyoming State Board of Education and
Wyoming School Foundation Program

Policy: The technology plan was adopted in 1998, and will be evaluated and revised annually in the fall of each year. The estimated cost is $70M.

The state did not provide funds for education technology in FY 98 but has appropriated $11.2M from the state's general fund for FY 99 and FY 00. The funds are earmarked for the Wyoming Equality Network, a statewide data and video network, and include a one-time, start-up expenditure of $4.2M; $2M for video equipment for high schools; and $2M to $3M each year for connectivity costs.

The state has appropriated 11.2M from the state's general fund for FY99 and FY00. The funds are for the Wyoming Equality Network, a statewide data and video network, and include a one-time, start-up expenditure of $4.2M; $2M for video equipment for high schools; and $2M to $3M each year for connectivity costs.

2000-2001 Goals 2000/TLCF Grant Awards. The Department of Education in Wyoming is making funding available for the sixth year. These grant awards were made to assist school districts, schools within districts, and communities to implement technology plans that address school improvement, improved student achievement, and staff development through the integration of technology into the curriculum.

Reimbursement conditions: NA

Individual Reimbursement condition: NA

Contact: Linda Carter
State Education Agency Technology Contact
Phone: 307-777-6252
e-mail: lcarter@educ.state.wy.us
State Education Agency Web site: www.k12.wy.us/wdehome.html
Number of Students: 96,579
Number of Teachers: 6,620