



How can we deploy data networks for reach, access and applications in schools?

BellSouth offers data networking solutions that meet specific requirements for education.

At a Glance

- High-speed solutions
- Reliable, managed connections
- Enhanced professional environment
- Applications for administrators and parents

Today, in this age of information, a school without networking capabilities is like a car without an engine or a book without pages. Technologies like the Internet are having an immeasurable impact on education, revolutionizing not only what is learned, but how information is taught and what is retained. The effect of technology on schools today – and, specifically, data networking technologies – is as broad as it is deep.

How, though, do those in the business of education deploy sophisticated data networks that provide the reach, access and applications required in schools today? The answer is through BellSouth, which has been making connections with educators since technology was introduced in schools.

We at BellSouth offer a family of data networking solutions that schools and libraries can select from to meet specific requirements relative to speed, distance and cost. These choices, which can also be integrated with voice and video-based solutions, include the following key offerings:

BellSouth® Dedicated Internet Access Service

A recent study on Internet usage in public schools indicates that 76 percent of educators today use the Internet in teaching.* To access this unparalleled resource, your school must have an Internet service provider. With BellSouth Dedicated Internet Access Service, each computer in your school's network can be connected to the Internet, cost-effectively and reliably.



Features:

- Connecting ports
- Free Web mail
- Internet protocol routing
- Access to BellSouth Education Gateway Web site
- Internet access gateway

BellSouth® Frame Relay Service

BellSouth Frame Relay Service represents an affordable, fast and flexible data networking solution for schools today. This connection-oriented, packet mode service enables you to share text, graphics and other types of data over wide geographic areas at high speeds while achieving cost-efficiencies and performance advantages over other architecture.

* National center for education statistics, 2001

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Speed Options:

- 56 Kbps
- 384 Kbps
- 64 Kbps
- 128 Kbps
- 1.536 Mbps (T1)
- 54.5 Mbps (T3)

Meeting the Challenges in Education

BellSouth data networking solutions connect teachers, students, administrators and parents to a world of applications that can enhance quality of education. But, that's not all. Many of our solutions and the applications derived from these tools and technologies address the following four key challenges faced in education today:

Improving Student Achievement

BellSouth data networking solutions can be used in a variety of applications. Students can access Web-based digital content, such as practice tests, which can improve scores and overall achievement.

Teachers can access new, interactive learning curricula, build lesson plans online and closely monitor student performance. Schools can also share data between locations to streamline administrative operations.

High-speed data networks can be an efficient, cost-effective way to connect teachers and students from classroom to classroom or to remote locations. From the basic use of a modem line, allowing students and teachers to dial into school or district servers from home, to accessing Web-based forums or e-mail, BellSouth keeps students, teachers, parents and administrators connected no matter where they are physically located.



Applications: *Electronic mail, networked financial applications, distributed learning, Web-based testing and assessment.*

Creating Safer Schools

Data networks are playing an increasingly important role in ensuring school safety. Information on specific safety concerns or trouble spots that may be relevant across a school district or region-wide, can be shared, quickly and securely, over networks created and managed by BellSouth. Moreover, using Internet protocol, connections with law enforcement agencies can be made to ensure that safety information can be easily disseminated and is widely accessible. This helps administrators reduce the incidence of crime and enables schools to take more proactive steps toward creating a safe environment for learning.

Applications: *IP surveillance, profiling databases, Internet connections to local law enforcement.*

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Attracting, Retaining and Developing Educators

Schools throughout the Southeast turn to BellSouth to develop and deploy data networking solutions that enhance the professional development of educators. Web-based training initiatives, for instance, not only reduce the cost of staff development, but also ensure teachers have access to classes that enhance professional development.

The Internet also provides teachers with easy access to lesson planning tools, curriculum and countless professional forums in which to share insights, experience and information with peers. The Internet is an ideal technology for recruiting and hiring new teachers. School districts across the BellSouth nine-state region depend on the network to identify new, technology-savvy teaching candidates.

Applications: *Web-based training, Web-based lesson plans and curricula, online recruiting, remote access to school district servers, electronic mail.*

Enabling Parental and Community Involvement

BellSouth data networking solutions help ensure learning takes place inside and outside the classroom. The right connections give parents



and students greater access to teachers and school administrators, opening the channels of communication that foster learning and directly improve student achievement.

BellSouth e-mail offerings connect parents and teachers – conferences can be confirmed easily, absences can be communicated quickly, and progress can be discussed on an ongoing basis. Moreover, school administrators can post general information for parents at school-specific or even teacher-specific Web sites, ensuring parents have around-the-clock access to information.

Applications: *School and teacher Web sites, accessing school-based resources from home.*

For more information regarding Data Networking Solutions from BellSouth, please contact your BellSouth account representative, or visit us online at www.bellsouth.com/business

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