

CUSTOMER FOCUSED.
 TECHNOLOGY DRIVEN.

VIDEO SOLUTION CREATES NEW POSSIBILITIES

In 1997, schools in the Fox Valley region of Wisconsin evaluated how emerging communications technologies could improve the educational experience of their students. KSCADE, an acronym for K-12 Schools/College Alliance for Distance Education, came into existence, and today, thanks to Charter Business Networks, teachers and students at 38 schools are using broadcast-quality, interactive video to learn from each other.

The KSCADE network, designed, implemented and managed by Charter Business Networks, is the largest distance education network in the country using international standards-based MPEG-2 video compression and ATM switching technology.

Now, each day in the Fox Valley, students at schools miles apart from each other come together in one virtual classroom to study Japanese, astronomy, animal sciences and dozens of other subjects not previously available to them.

However, KSCADE's benefits go beyond the classroom curriculum. Says Sandra Dykes, an agricultural science instructor who was the Wisconsin state teacher of the year in 1996 and a Kohl Fellowship winner in 1995. "KSCADE breaks down social barriers and broadens the students' experience. It's really neat to watch how kids from different schools interact and learn from one another."

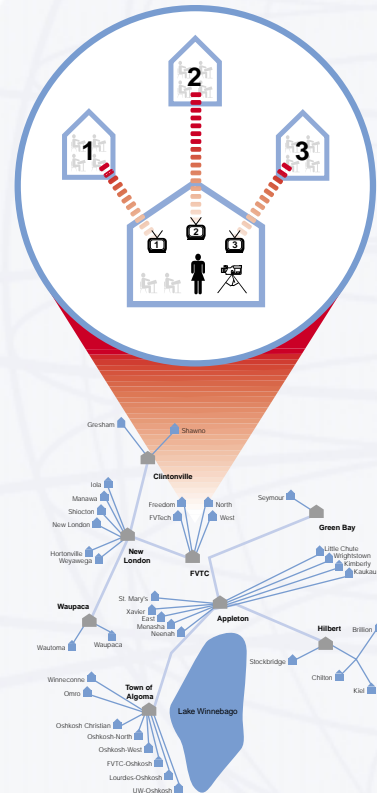
By overcoming physical distances and the challenges of limited resources, KSCADE has become a powerful learning tool that expands the educational opportunities available to students in the Fox Valley.

Our distance learning and video-conferencing solutions can do the same for your school or business. Don't wait. Start your journey to the future now by contacting us for a free needs assessment.



"It's so fun to see how KSCADE broadens the students' experience."

Sandra Dykes
 Agriculture Science Instructor
 Weyauwega High School



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Charter Business Networks is your one source for advanced, high-speed communications services. We have deployed an advanced, next-generation network that offers you many benefits.

We offer you data transmission speeds that are defined by your needs rather than the size and cost limitations of T1 and DS-3 circuits. Today we can deliver speeds from 5-100 Mbps and beyond, including local access. We also give you the flexibility to increase bandwidth as your needs grow without time-consuming and costly physical installations. All you need to do is give us a call, and we'll have your bandwidth upgraded within 24 hours.

We give you the bandwidth you need when you need it.

We offer you a single, integrated network solution for your data, video, Internet and site-to-site voice requirements, including secure, high-speed remote access for employees working at home. With its inherent scalability and flexibility, our next-generation network will support the emerging applications critical to your future success.

We provide you with a secure path to a successful future.

We offer you reliable, high-quality services backed by the skilled people needed to make it all work. We design, construct and maintain a solution that meets your networking requirements, relieving you of the burden of owning and maintaining your own network facilities—an expensive proposition in today's rapidly changing environment. Furthermore, our network operations and customer care centers ensure that you have around-the-clock support.

We deliver reliable, high-quality network services backed by a skilled team.

But don't take our word for it. Talk to our customers today and learn why they are doing business with Charter Business Networks.

Charter Business Networks is a wholly owned subsidiary of Charter Communications, one of the fastest growing cable television and communications providers in the U.S.



KSCADE NETWORK SYSTEM SPECIFICATIONS

- Over 230 miles of fiber
- Dedicated fiber to each site
 - 38 sites
- ATM network running at 155 Mbps (OC3)
 - MPEG-2 Video
- SVCs for Internet access
 - PVCs for video
- 7 x 24 network monitoring

AVAILABLE SERVICES:

- High-Speed Internet Access
 - LAN-LAN Integration
- Wide Area Network Integration
 - Virtual Private Networks
 - Video Conferencing
 - Distance Education
 - Data Private Line
 - Voice Private Line