



Simplify Technology and Extend Your Reach.

FEATURED MSPACE:

HUTCHINSON SCHOOL DISTRICT

HUTCHINSON, MN



Education is no longer confined by geographical constraints; distance learning has become a coveted norm for primary educational facilities.

Integrated technologies in the classroom enhance the student learning process by giving them an opportunity to explore beyond the walls of the school to another educational site in a cost effective manner.

The Little Crow Tele-Media Network (LCTN) is a distance learning cooperative for K-12 school districts throughout the West Central region of Minnesota. LCTN partners with the Minnesota River Valley Educational District (MRVED) to plan and provide innovative programs and quality services that maximize resources. Two-Way television, known as Interactive Television (ITV), links all the school districts of the LCTN and MRVED together so that all schools can share resources, be it students or specialized teachers.

Seven school districts within the LCTN were in need of upgraded integrated technologies to participate in LCTN cooperative programs. **Together, MSpace and LCTN partnered to update systems and hardware necessities in these districts. One of the highlights is an ITV solution for Hutchinson High School that put them ahead of the distance learning curve - delivering curriculum that would generally not be available to most rural schools.**

### The Situation

Hutchinson High School felt that they weren't up to speed with the technological standards set forth by the demand for interactive learning. Being that these technology solutions would be in the hands of teachers and students, LCTN wanted MSpace to create a solution that required little troubleshooting and maintenance for the end-user so that the learning process could be the focus rather than needing a technical background.

### The Solution

MSpace designed the classroom to encompass the functionality needed (continues on reverse)

**“The professionalism and care the field technicians took with the installation were quite impressive. They were conscious of the quality of work they were doing and asked questions along the way to ensure they were addressing all of our needs.”**

Pete Royer, Director, Little Crow TeleMedia Network



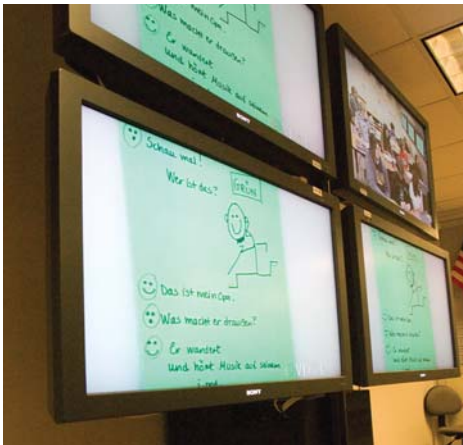
*MSpace and LCTN designed an easy-to-use interactive television (ITV) system for Hutchinson High School that allows teachers in other schools to effectively conduct class via video conferencing technologies.*

**“The deployment of videoconferencing in the classroom leverages the latest in learning technology - enhancing the curriculum for the students. As a resident of Hutchinson, with children enrolled in the school district, I am pleased to see the school investing in the learning process; distance learning enhances the quality of their education.”**

Ryan Heining, President, MSpace, Inc.

to produce results in the educational process, yet streamlined the integrated technology enough to make it a part of the room not take away from the learning atmosphere. The new design unified the visual of monitors by grouping them one on top of the other which improved the clarity and line of sight for the students.

## The Technology



**Four Sony LCD flat-screen displays** placed one on top of the other creating a four-quadrant display to unify the viewer's focal point.



**A Crestron touch control panel** which centralizes functionality allowing for quick selection of different presentation tools to assist in the classroom environment.



**Desktop cameras** allow teachers to use the ITV system as a whiteboard or overhead projection system to display and demonstrate specific concepts.



**Wall-mounted, remote-controlled cameras** can be controlled by the far end or near end of the ITV system, allowing students to see their teacher and vice versa.

**VBrick video codec** transports video over a IP-based video network.

**Extron switchers** are controlled by the Crestron touch control panel with remote access to the teacher in order to make changes from a distance.

An **output feed** connects the classroom to the principal's office to allow monitoring of curriculum as well as classroom behavior.



**Ceiling-mounted Audio-Technica microphones** allow for clear 2-way communication while freeing desk space.

