



Technology Leadership and Communication

Vision: BE the District that TRANSFORMS education

Mission: LEAD in Providing World-Class Quality K-12 Systems

Values: Efficient - Accessible - Systematic - Highly Skilled - Student Focused - Service Oriented - Leadership



Robust Technology Network Infrastructure Design Based on World-Class Standards

As part of a 1.2 billion dollar Bond Project, upgraded the data center infrastructure to make more efficient use of server resources and improve server availability and system sustainability.



Smart Education Networks by Design a CoSN leadership initiative

Data Center 2



Mission critical applications
All technology applications
Backup, Disaster Recovery

Tier 2 Facility

Bleyl Data Center

Backup, Disaster Recovery,
Inhouse Technology Applications,
Data Archival

Data Center 3



Campus WAN Fiber Connections
Primary Internet Point of Presence
Core Network Infrastructure

Tier 3 Facility

ISC Data Center

Campus WAN Fiber Connections
Secondary Internet Point of Presence
Core Network Routing Infrastructure

Data Center 4



Tier 4 Facility

CyrusOne Data Center

Mission critical applications
Primary Internet Point of Presence
Telephony and Security Systems

- ✓ Multiple paths to the Internet
- ✓ Two or more data centers and/or cloud based services
- ✓ Design the network as a ring with no single points of failure
- ✓ Plan for as much bandwidth as possible
- ✓ Support for BYOT with 1:1 to 1:3-5 devices with high density WiFi demand
- ✓ Secure the network at a separate Tier 4 co-location facility with an Internet Point of Presence (POP)