

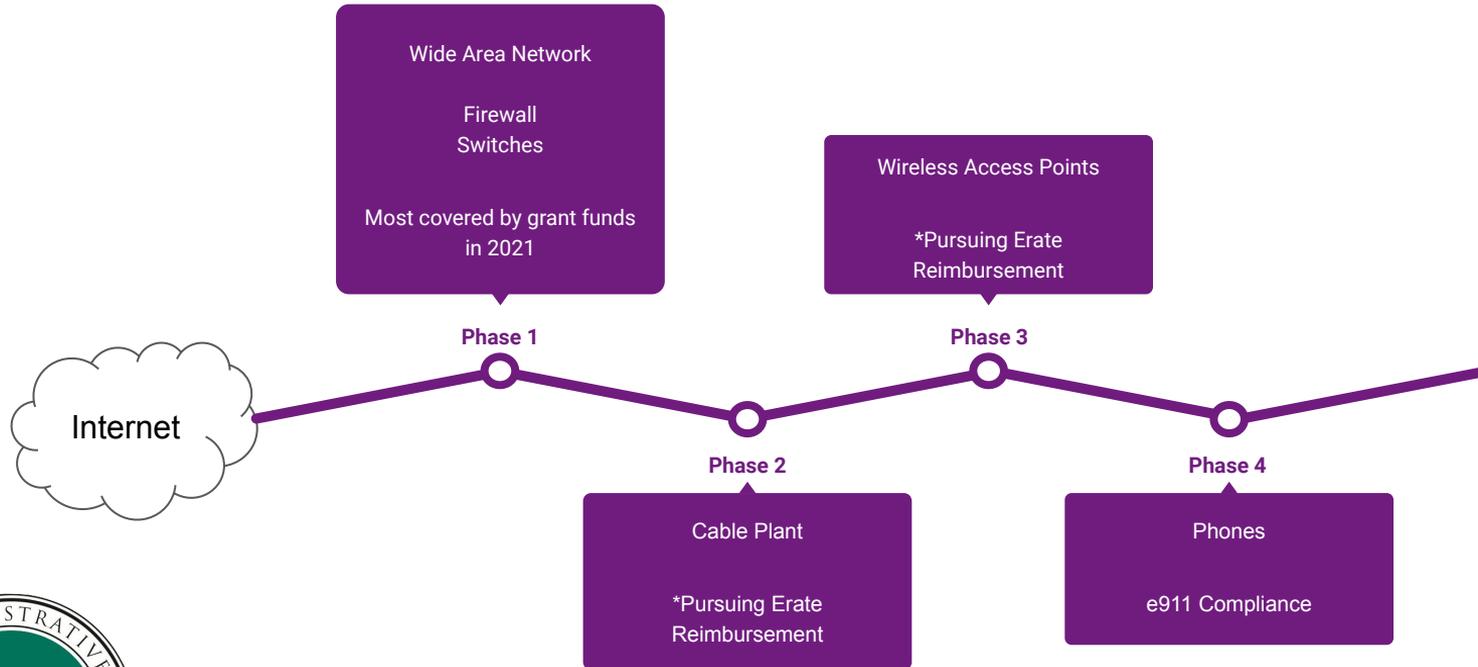
# SAU 70

# Educational Technology

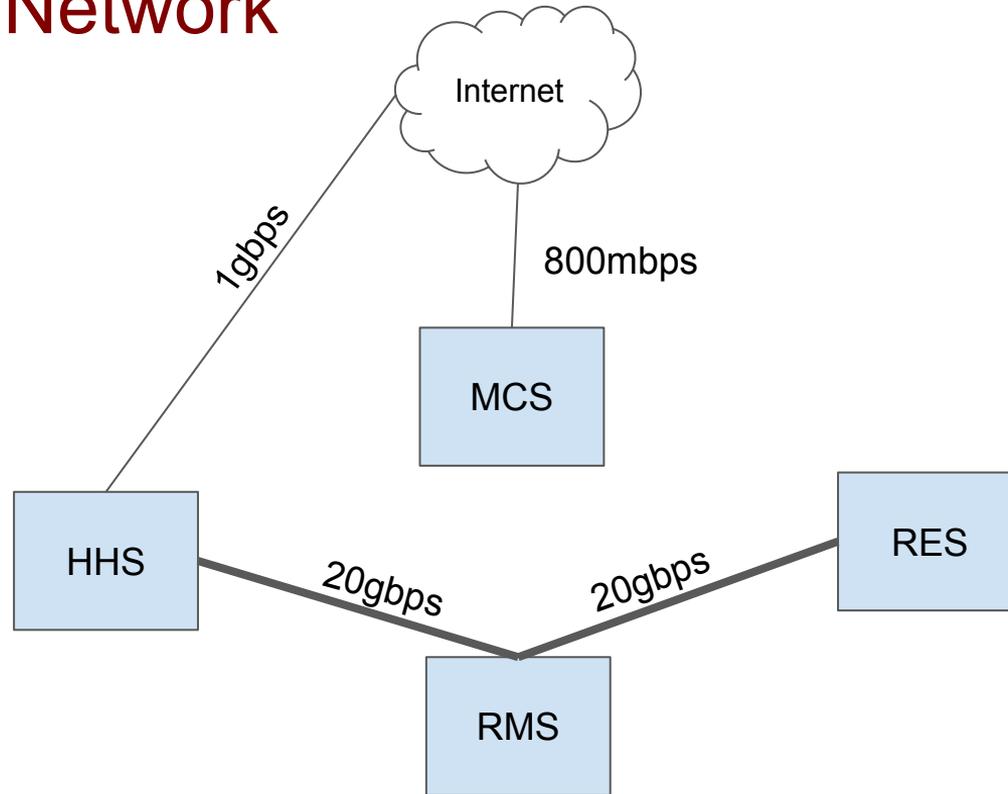
Technology Infrastructure Warrant 2021



# Wide Area Network



# Wide Area Network



# Wide Area Network

	SAU	Dresden		Hanover	Norwich
		HHS	RMS	RES	MCS
Firewall	\$3,500.00				\$3,500.00
Core Switch	\$7,500.00				
Layer 3 Switch		\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Sub Total	<b>\$11,000.00</b>	<b>\$7,500.00</b>	<b>\$7,500.00</b>	<b>\$7,500.00</b>	<b>\$11,000.00</b>

Paid with Grant Funds



# Cable Plant

Current cabling within each building is unable to support current standards for access points. Drops are needed in each classroom to support higher access point density and voip phones. Upgrades will allow us to comply with e911 requirements and deploy access points that can handle the increased demands as students engage in more interactive learning opportunities.

Dresden	\$388,169
Hanover	\$119,775
Norwich	\$115,119



# Access Points

The majority of current access points are about eleven years old and are no longer supported. Many access points are overpopulated with clients and have a limited bandwidth budget. This results in common interruptions in classrooms. Upgrades will allow us to improve access to digital resources in our classrooms and increase reliability.

Dresden	\$177,045
Hanover	\$46,893
Norwich	\$44,979



# Phones - e911

Our current phone system is not able to comply with e911 requirements that have been required for several years. This upgrade would allow us to install a phone in each classroom with Enhanced 911 compliance. This would allow us to improve our school safety and emergency management capabilities.

Dresden	\$112,088
Hanover	\$33,540
Norwich	\$0 - Done
SAU*	\$6,896

\* Budgeted but spending contingent on Dresden warrant.



# Supporting Equipment (POE+ Switches, Battery Backup, Patch Cables, Racks, etc.)

Our data closets will need to be upgraded to support the wireless access point and phone upgrades. These include supporting parts, cables, switches, and battery backup for brief power failures.

Dresden	\$165,462
Hanover	\$45,126
Norwich	\$45,126



# Current Estimates

	SAU	Dresden		Hanover	Norwich
		HHS	RMS	RES	MCS
WAN					\$11,000.00
Cable Plant		\$224,866.00	\$163,303.00	\$119,775.00	\$115,119.00
Access Points	\$0.00	\$110,055.00	\$66,990.00	\$46,893.00	\$44,979.00
Phones	\$6,896.00	\$78,548.00	\$33,540.00	\$33,540.00	\$0.00
Switches		\$99,218.00	\$56,696.00	\$42,522.00	\$42,522.00
UPS Backup		\$6,076.00	\$3,472.00	\$2,604.00	\$2,604.00
Sub Total	<b>\$6,896.00</b>	<b>\$518,763.00</b>	<b>\$324,001.00</b>	<b>\$245,334.00</b>	<b>\$216,224.00</b>
Warrant*		\$842,764.00		\$245,334.00	\$216,224.00

\* Pursuing Erate funding reimbursement for qualifying improvements (cable plant, access points, switches, ups backup). Initial estimates are 25% - 50% reimbursement up to our pre-discount erate eligible amount (\$167 x enrollment count). Ex: (\$296,926 \* 25% = \$74,231.50 to \$296,926 \* 50%= \$148,463). We will be working with an Erate consultant to check these estimates and provide more details as we go through the process.

