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Wealth Management.

MSBO Conference
April 2024

Budgets for IT

A new perspective



Your presenters



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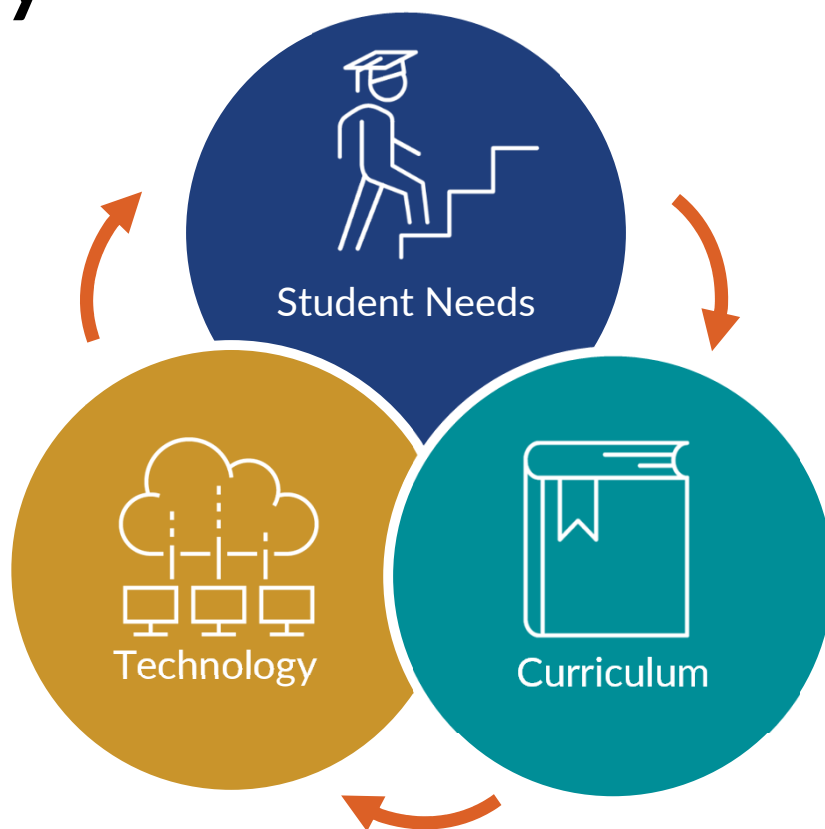


Planning Framework

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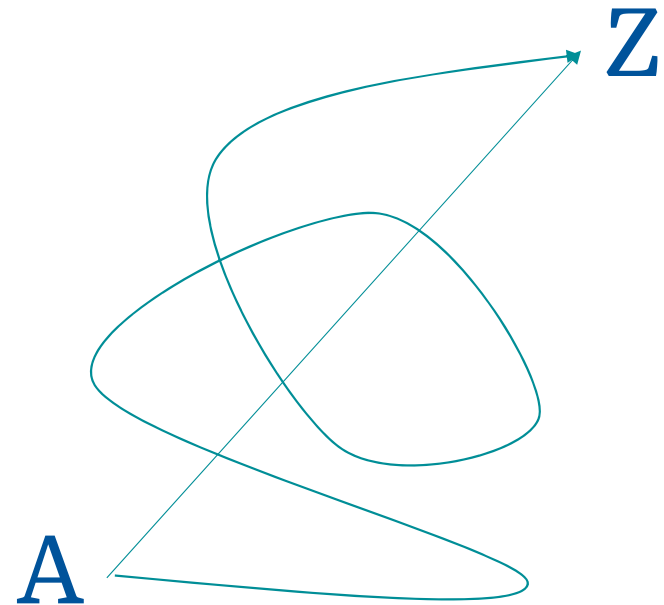
Philosophy





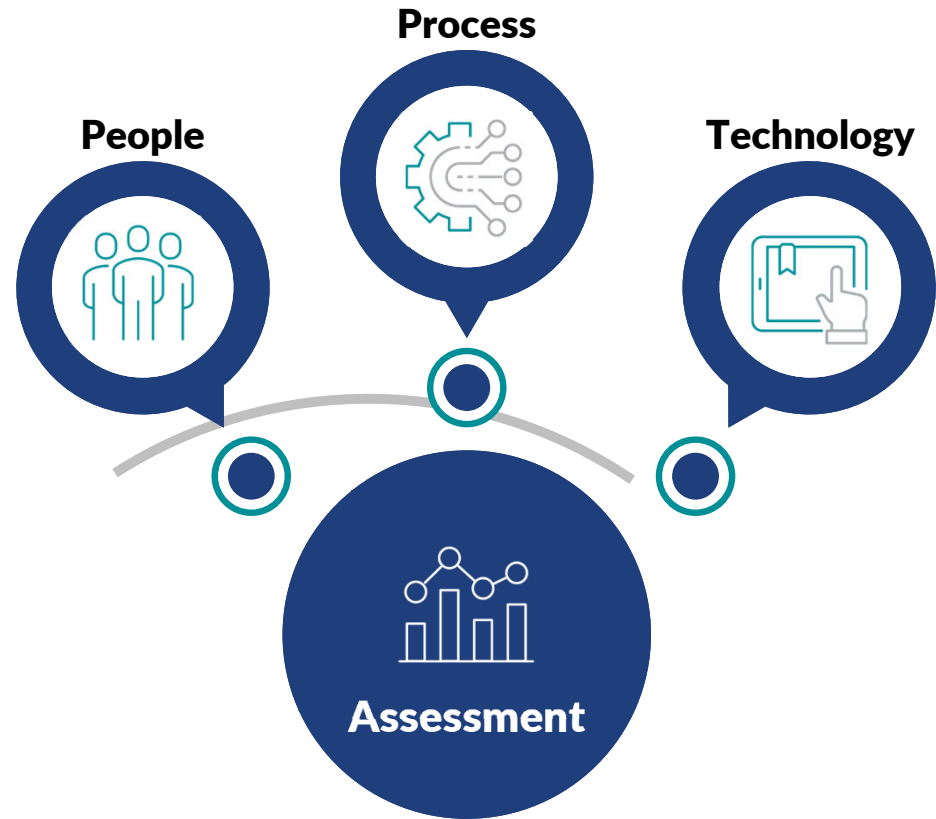
Why assess the current state of your IT?

Planning is about figuring out where we're going, but we can't get where we're going if we don't know where we are...



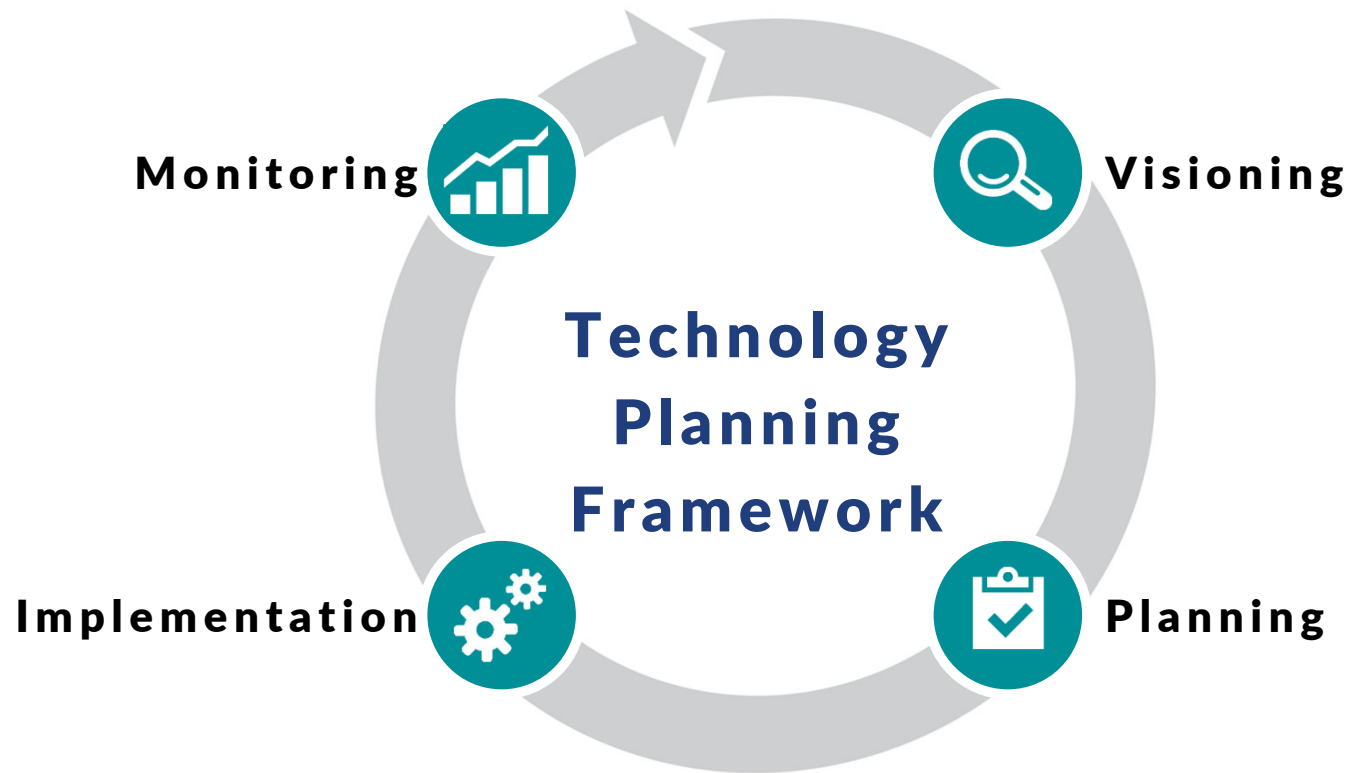


What
should we be
examining?





Planning process

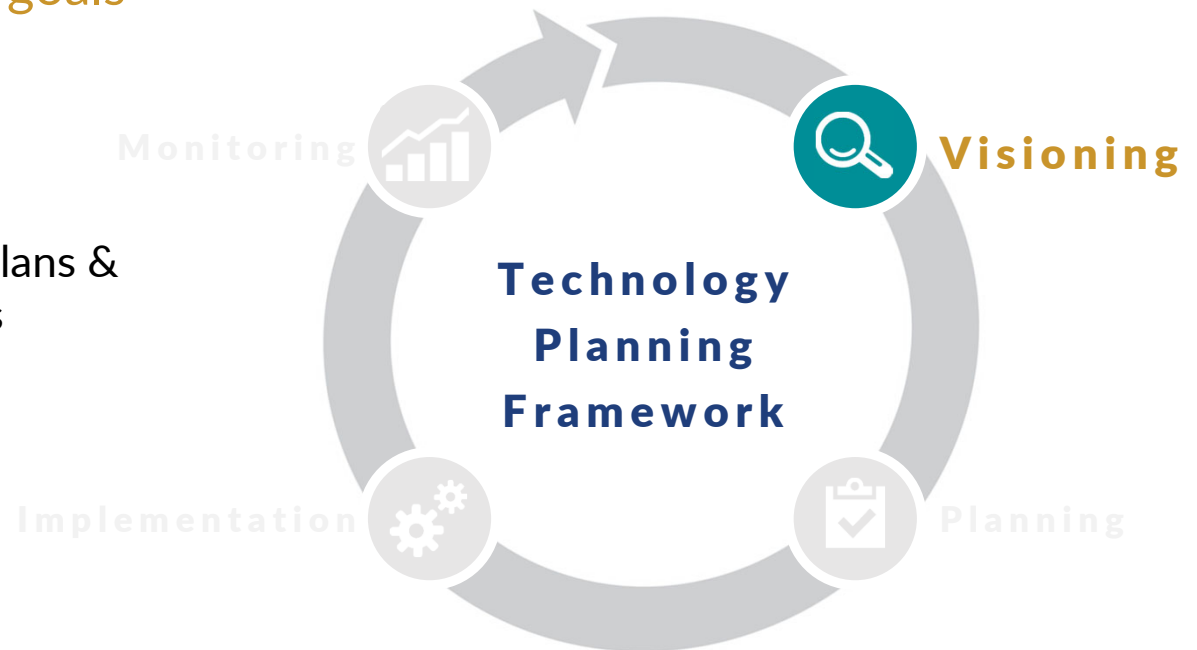




Planning process

Identify district technology goals based on input from:

- District strategic plan
- District/school improvement plans & continuous improvement plans
- Curricular needs
- Regulatory & compliance drivers
- Stakeholder input





Technology Integration

Roles & responsibilities

Planning process is cross-functional in nature

Obtain stakeholder input in planning

Engage stakeholders in implementation

Technology champions

Technology committee

Superintendent

Business/finance

Title 1 representative

Special education

Building administration

Teachers

School/district improvement team members

Curriculum director

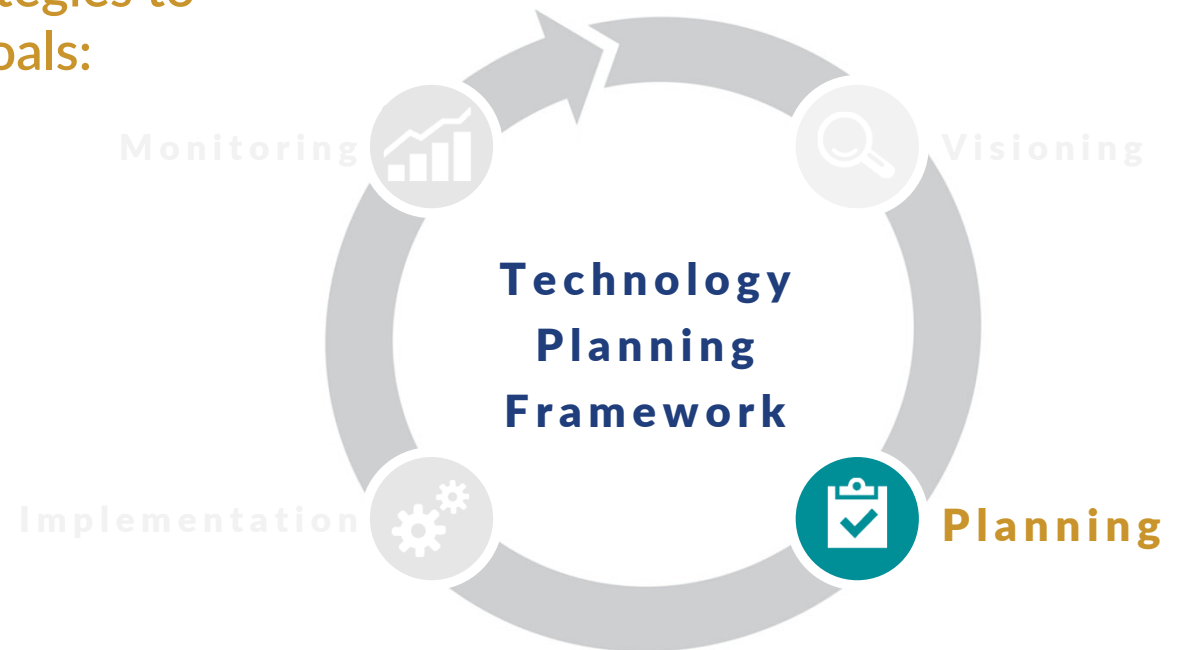
Technology director



Planning process

Develop and prioritize strategies to achieve your technology goals:

- Infrastructure needs
- Budgetary requirements
- Procurement strategies
- Timing considerations
- Training needs
- Refresh requirements
- Success measures





Technology needs

Student & curricular

Infrastructure

Safety/security



Technology needs

Sustain operations

Shift in needs

Instructional requirements

Applications

Cybersecurity

Infrastructure requirements



Standardization & sustainability

Develop district-wide standards

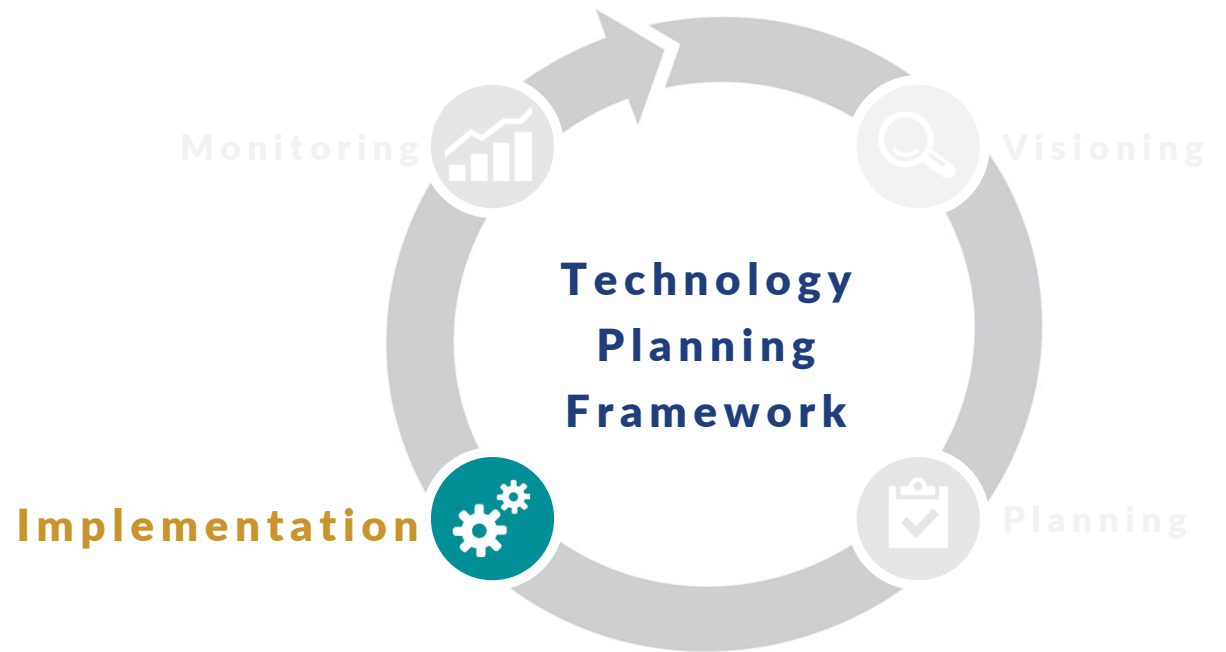
Replacement cycles

Sustainable model



Planning process

Execute the
technology
plan

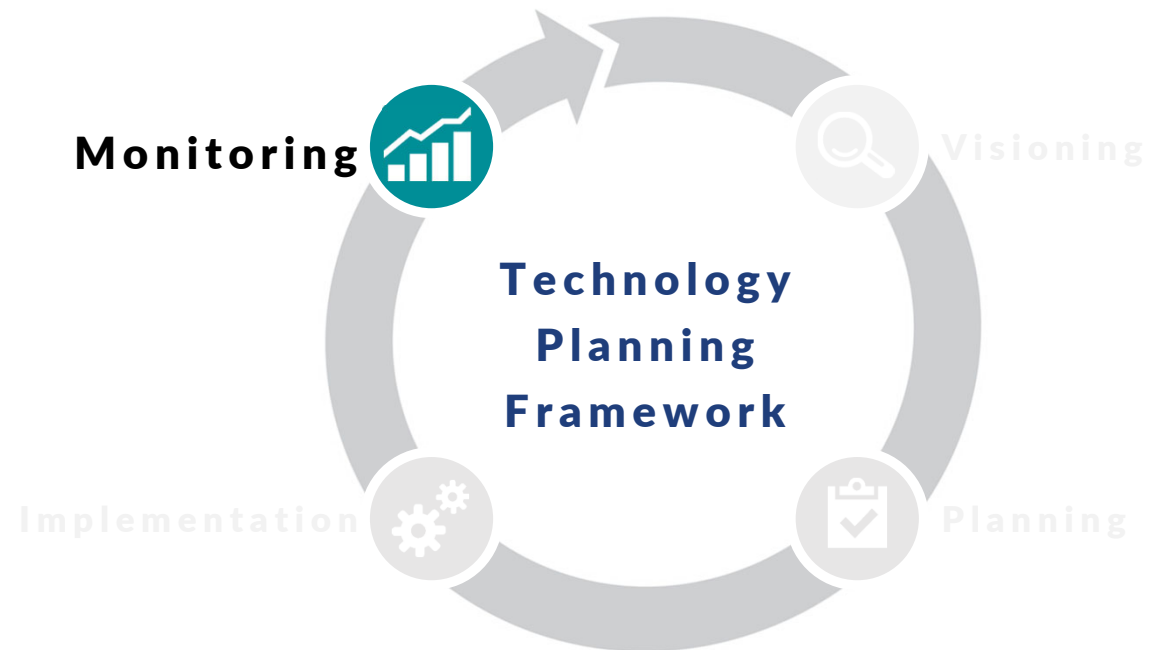




Planning process

Evaluate activities
against defined
success criteria

Use results to
inform the next
planning and
budgeting cycle





Budgeting

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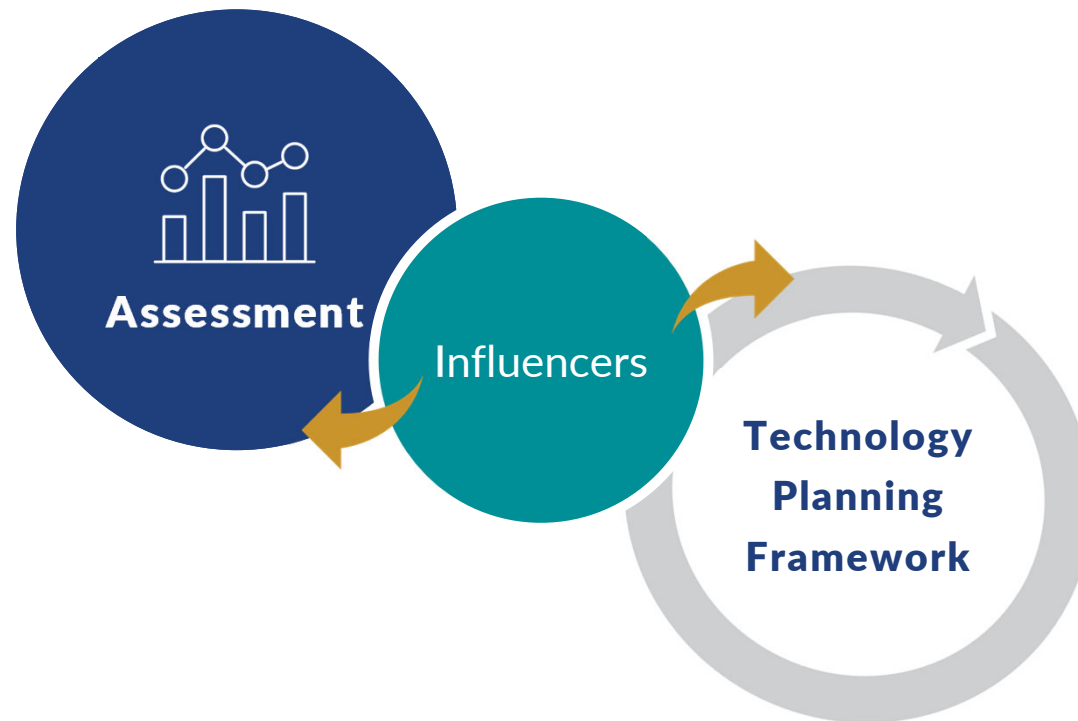
Budgeting

Capital expenses

Operating expenses



Budget drivers





Technology needs

Student & curricular

Classroom technologies

Large area audio/visual

Collaboration spaces

Allocation for future/leading edge
technology



Technology needs

Student devices

Identifying the right strategy

Identifying the right device

Considerations for assessments

1:1 vs. BYOD vs. BYOD with
targeted district-owned supplemental
devices



Technology needs Infrastructure

Aging infrastructure

Increased infrastructure demands

Replacement of cabling plant

Network upgrades

Wireless upgrades

Voice upgrades

Servers/data storage

Backup

Building systems

ISP connectivity



Technology needs

Safety/security

Building video surveillance

Bus video surveillance

Access control

Public address systems

Mass notification

Integration of safety & security
systems



Technology needs

Instructional support

Staff devices

Conference Rooms

Board rooms

Clocks



Technology needs

Ongoing expenses

Consumables

Professional development

Staffing impact

Applications

Licensing

Maintenance

Replacement cycles

Useful Life
Depreciation
Realistic cycles



Total replacements by year by level						
Level	Summer 2020	Summer 2021	Summer 2022	Summer 2026	Total	Comments
K-8		2,152	2,603	345	5,100	
HS		453	493	201	1,147	
Not differentiated				1,350		
Total	1,450	2,605	3,096	1,896	9,047	

Source of funds*						
Proposed Source	Summer 2020	Summer 2021	Summer 2022	Summer 2026	Total	Comments
Carry over from prior time period	N/A	882	1,099	750		
Student device allocation - respective years	1,350	2,168	1,084	813	5,415	Summer 2020 funded by CARES
Elementary labs - respective years	982	0	30		1,012	
Student device allocation - 2023	N/A		654		654	
Elementary labs - 2023	N/A		0		0	
Student device allocation - holdback S1	0	654			654	
Student device allocation - holdback S2	N/A		654		654	
Curriculum specific district-wide S2	N/A		325		325	
Total available	2,332	3,704	3,846	1,564	8,715	
Overage / (Shortfall)	882	1,099	750	(332)		

Budgeting sample



XXX District
DRAFT Program of Service - Working Copy

	ELEM A		ELEM B		ELEM C		MS		HS		Administration Building		Total
	Count	Cost	Count	Cost	Count	Cost	Count	Cost	Count	Cost	Count	Cost	Cost
KEY DATA													
Students (Fall 20XX)	395		520		405		600		1300				
Classroom Count	18		22		21		55		75				
Lab	1		1		1		3		7				
Media Center	1		1		1		1		1				
Cafeteria	1		1		1		1		1		0		
Office	1		1		1		1		2		0		
Gym	1		1		1		2		2		0		
Misc/Multi-Purpose Rooms	0		0		1		0		3		20		
Auditoriums	0		0		0		0		1		0		
Wiring Closet Count	2		2		2		3		4		1		
INFRASTRUCTURE													
Cabling													
Exterior fiber - relocate/damage due to construction	1	\$5,400											\$5,400
Data / Voice / Video Drops - labs (see assumptions)		\$0		\$0		\$0	30	\$6,000	30	\$6,000	50	\$10,000	\$22,000
WLAN Data Drops	50	\$10,000	58	\$11,600	58	\$11,600	156	\$31,200	242	\$48,400	20	\$4,000	\$116,800
Video Surveillance drops	6	\$1,200	6	\$1,200	6	\$1,200	8	\$1,600	10	\$2,000	0	\$0	\$7,200
Projector video bundle drops	19	\$6,650	23	\$8,050	22	\$7,700	58	\$20,300	82	\$28,700	0	\$0	\$71,400
Low- Voltage Cabling Demo Allocation (2015-2018)	0	\$0	0	\$0	0	\$0	1	\$6,000	1	\$8,000			\$14,000
TOTAL Cabling		\$23,250		\$20,850		\$20,500		\$65,100		\$93,100		\$14,000	\$236,800
Network Electronics													
District Core	0	\$0	0	\$0	0	\$0	0	\$0	1	\$300,000	0	\$0	\$300,000
Firewall	0	\$0	0	\$0	0	\$0	0	\$0	1	\$35,000	0	\$0	\$35,000
Building Aggregate Switch	1	\$14,000	1	\$14,000	1	\$14,000	1	\$14,000	1	\$14,000	1	\$14,000	\$84,000
24-port switch PoE+	4	\$20,400	0	\$0	3	\$15,300	7	\$35,700	11	\$56,100	4	\$20,400	\$147,900
48-port switch PoE+	1	\$6,500	3	\$19,500	2	\$13,000	4	\$26,000	7	\$45,500	5	\$32,500	\$143,000
24-port switch non-PoE+	0	\$0	1	\$3,500	2	\$7,000	2	\$7,000	1	\$3,500	0	\$0	\$21,000
48-port switch non-PoE+	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$0
TOTAL Network Electronics		\$40,900		\$37,000		\$49,300		\$82,700		\$454,100		\$66,900	\$730,900
TOTAL INFRASTRUCTURE		\$64,150		\$57,850		\$69,800		\$147,800		\$547,200		\$80,900	\$967,700



Funding options

Bonds

Sinking Funds

IT Budget

eRate

Grants

PTA

Other



Key takeaways

Revaluate needs regularly

Revisit budget often

Close relationship with curriculum

Close relationship with finance



Thank you.

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