2022-2025 Instructional Technology Plan - 2021

I. District LEA Information

Page Last Modified: 03/23/2022

- 1. What is the name of the district administrator responsible for entering the Instructional Technology Plan data?

 Michael Shimmel
- 2. What is the title of the district administrator responsible for entering the Instructional Technology Plan data?

Chief Information Officer

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2022-2025 Instructional Technology Plan - 2021

II. Strategic Technology Planning

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1. What is the overall district mission?

The mission of the Sherman Central School District is to serve a wider community in the future. Through collaboration and cooperation among students, teachers, staff and community, our students can make a positive difference in the world.

2. What is the vision statement that guides instructional technology use in the district?

The vision of the Sherman Central School is charged with the responsibility of preparing students who will live and work in a community. As we envision their place in an ever-changing world, it becomes important to consider how the educational system must adjust and change to prepare them for it. We must equip our students with the tools necessary to become: Life-long learners with a broad knowledge base which enables them to be flexible and gives them the ability to be productive in a dynamic and technological society; tolerant and understanding of social and cultural differences while maintaining individual identity; aware of international interdependence and able to meet the challenges of a global economy; confident, self-assured, responsible citizens with a sound sense of well being; effective communicators able to participate in a free and democratic society.

Our broad district technology goals include:

To provide quality, ongoing professional development in the area of technology to staff, students, parents, and community members

To build a comprehension K-12 technology curriculum to meet all students' needs.

To use technology to support district communication and connections with all stakeholders

3. Summarize the planning process used to develop answers to the Instructional Technology Plan questions and/or your district comprehensive Instructional Technology Plan. Please include the stakeholder groups participating and the outcomes of the instructional technology plan development meetings.

The administrative team meets monthly to discuss the Instructional Technology Plan and make recommendations for the committee members in order to include a well-rounded committee. The following stakeholder groups are represented: Administration, Teaching Staff PreK-12, Technology Staff, Special Education Staff PreK-12, Parents, and clerical staff.

In addition to the committee, the district utilized and will continue to utilize ThoughtExchange to gather information from community members, staff, students grade 6-12.

The technology committee met bi-monthly to assess the previous technology plan. The first meeting was March 2nd and the last meeting was held May16th.

The committee was broken down into 3 groups to look over goals and provide their feedback. The groups came together and reviewed their feedback, highlighting areas of strength and goals (steps) not met. From there, the committee composed 4 areas for the updated plan to focus on that would meet the needs of all stakeholders: Goal 1: Technology Responsibility & integration; Goal 2: Technology Readiness; Goal 3; School Community Connections; Goal 4: Curriculum. Once we identified the 4 goals we create timelines, objectives, and selected was to measure each goal.

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2022-2025 Instructional Technology Plan - 2021

II. Strategic Technology Planning

Page Last Modified: 06/13/2022

4. How does the district's Instructional Technology Plan build upon, continue the work of, and improve upon the previous three-year plan?

The planning process for technology in the Sherman School District occurs year-round on a monthly basis. Consequently, the goals and objectives of the plans are contiguous with previous plans. However, the regularly repeating meetings also provide the flexibility to adapt to changes. This is evident in the district's pivot to emphasize remote instruction in light of COVID implications.

The committee reviewed the previous technology plan to identify areas in which the district achieved its goals and areas that still need to be addressed. Thought Exchange was also used to pull in all stakeholders (parents, community members, staff, and students) to gather their input on technology and communication.

Through small group activities the committee identified 4 goal areas for the district to address: Goal 1: Technology Responsibility & Integration; Goal 2: Technology Readiness,; Goal 3: School Community Connections; Goal 4: Curriculum. Goals 1 and Goal 2 are continuous from the previous technology plan. All stakeholders feel that while we are a 1:1 school with ipads, we need to see that our students stay connected and receive up-to-date technology experiences. Our teachers also need continuous professional development to support their teaching and learning new technology tools as they are developed.

5. How does the district Instructional Technology Plan reflect experiences during the COVID pandemic?

During the COVID pandemic we learned quickly that our district needed to develop asynchronous and hybrid learning models for our staff and students. We already had 1:1 Ipad for all students, but not all students were taking the devices home when the school shutdown began. We quickly learned that we needed to create plans for students to bring devices and chargers to and from school daily.

Google classrooms were developed by all classroom teachers to provide a universal learning platform for all students in PreK-12 grade. Communication was a huge focus during the Covid years. We have relied on our website and other social media sites to provide updates to all stakeholders. We added a BOCES employee to assist and capture highlights in and out of the school building as visitors were limited. To increase our ability to communicate with families more often, the district will be purchasing Remind as an online method of communications to our families.

We surveyed families and have a number that do not have a reliable internet. To assist these families, we offered hotspots for families and continue to offer these hotspots for families to provide for better connectivity with the school.

Finally, through this whole experience we have noted that our district needs to create a digital curriculum that meets all students needs PreK-12 grade. While Ipad have been a great resource for students, the district would like to make sure our students are prepared for their next endeavors whether they be college or career. Students 3-12 grade and teachers will be receiving chromebooks devices during the 2022-23 school year. Professional development as well as student and parent training will be planned to support all stakeholders through this platform transition.

6. Is your district currently fully 1:1?

Yes

7. Please describe the professional development plan for building the capacity of educators and administrators in the attainment of the instructional technology vision as stated in response to question 2.

Sherman School District provides personalized professional development opportunities for staff. Staff participate in many professional development opportunities provided by Erie 1 and Erie 2 BOCES. Teachers are encouraged to join the BOCES forums. In the summer of 2022, technology days will be set up for teachers to access learning. The district's professional development plan is being rewritten and much of the focus will be on teacher readiness in the area of technology.

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2022-2025 Instructional Technology Plan - 2021

III. Goal Attainment

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Overview: In this new section, the District is asked to outline the extent to which they have achieved, at the local level, goals put forth in the 2010 Statewide Learning Technology Plan.

1. Digital Content – The District uses standards-based, accessible digital content that supports all curricula for all learners.

The district has met this goal:

Moderately

2. Digital Use – The District's learners, teachers, and administrators are proficient in the use of technology for learning.

The district has met this goal:

Minimally

3. Digital Capacity and Access – The District's technology infrastructure supports learning and teaching in all of the District's environments.

The district has met this goal:

Fully

4. Leadership – The District Instructional Technology Plan is in alignment with the Statewide Learning Technology Plan vision.

The district has met this goal:

Fully

5. Accountability – District-level information is posted on the District website, is easy to access, and is easily understood. Information provided includes the results achieved by the District in their efforts to enable students to build knowledge, master skills, and grasp opportunities for a better life.

The district has met this goal:

Minimally

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2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 1

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1. Enter Goal 1 below:

Sherman will empower students to be productive, self-directed, and creative problem solvers through the use of technology tools and resources that support purposeful, responsible, equitable access for all students to learning opportunities and resources.

2. Select the NYSED goal that best aligns with this district goal.

Develop a strategic vision and goals to support student achievement and engagement through the seamless integration of technology into teaching and learning

3. Target Student Population(s). Check all that apply.

☑ All students	☑ Economically disadvantaged students
☑ Early Learning (Pre-K -3)	☑ Students between the ages of 18-21
☑ Elementary/intermediate	☑ Students who are targeted for dropout
☑ Middle School	prevention or credit recovery programs
☑ High School	☑ Students who do not have adequate access to
☑ Students with Disabilities	computing devices and/or high-speed internet at
☑ English Language Learners	their places of residence
☑ Students who are migratory or seasonal	☑ Students who do not have internet access at
farmworkers, or children of such workers	their place of residence
☑ Students experiencing homelessness and/or	☑ Students in foster care
housing insecurity	□ Students in juvenile justice system settings
	☑ Vulnerable populations/vulnerable students
	☐ Other (please identify in Question 3a, below)

4. Additional Target Population(s). Check all that apply.

₹	Teachers/Teacher Aides
☑	Administrators
☑	Parents/Guardians/Families/School Community
	Technology Integration Specialists
	Other

5. How will this instructional technology goal be measured and evaluated during and after implementation? Be sure to include any tools and/or metrics that are part of this evaluation process. Examples might be formative data, local, state, and/or national LEA benchmarks, metrics from instructional software, other technology evaluation programs, etc.

To measure if Sherman students are productive, self-directed, and creative problem solvers through the use of technology tools and resources that support purposeful, responsible, equitable access for all students the district will begin by asking students what they need and want. A ThoughtExchange will be created to gather feedback from all of the district stakeholders to help determine how to better prepare our students for college and career.

After reviewing the ThoughtExchange a team will review curriculum, programs, extra curricular ideas in order for the district to begin exploring options for all students.

Students enrollment in programs and classes each year will be a tool used to evaluate if students are interested in technology readiness.

6. List the action steps that correspond to Goal #1 from your answer to Question 1, above. All cells in the table must

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IV. Action Plan - Goal 1

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be populated. If you have less than four action steps for this goal, you must enter N/A into columns two, three, four, five, and seven, and choose June 30, 2021 in the date column for all unneeded rows in the table.

	Action Step	Action Step - Description	Responsible Stakeholder:	'Other' Responsible Stakeholder	Anticipa ted date of complet ion	Anticipated Cost
Action Step 1	Research	Use ThoughtExchange to gather what courses, activities, challenges that students are inquiring.	Building Principal	Director of Technology	09/30/2 022	0
Action Step 2	Budgeting	students are inquiring.		Director of Special and Grants	01/30/2 023	8,000
Action Step 3	Professional Development	Provide professional development trainings to all grade level teachers.	Building Principal	Curriculum and Instructional Leader	09/05/2 023	2,000
Action Step 4	Curriculum Implement new curriculum to expand		Building Principal	Curriculum and Instructional Leader	09/05/2 023	0

7. This question is optional.

If more action steps are needed, continue to list the action steps that correspond to Goal #1 from your answer to Question 1, above.

	Action Step	Action Step - Description	Responsible Stakeholder:	"Other" Responsible Stakeholder	Anticipa ted date of complet ion	Anticipated Cost
Action Step 5	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)

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IV. Action Plan - Goal 1

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	Action Step	Action Step - Description	Responsible Stakeholder:	"Other" Responsible Stakeholder	Anticipa ted date of complet ion	Anticipated Cost
Action Step 6	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)
Action Step 7	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)
Action Step 8	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)

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2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 2

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1. Enter Goal 2 below:

Sherman will continue enhancing and expanding the individual learning plans through the 1:1 device initiative with an updated focus on assistive technology while preparing students for college and career readiness.

2. Select the NYSED goal that best aligns with this district goal.

Provide technology-enhanced, culturally- and linguistically-responsive learning environments to support improved teaching and learning

			_
2	Target Student	Donulation(c)	Check all that apply.
-3-	Taruet Student	r obulation (5).	CHECK all that apply.

☑ All students	□ Economically disadvantaged students			
□ Early Learning (Pre-K -3)	□ Students between the ages of 18-21			
□ Elementary/intermediate	☐ Students who are targeted for dropout			
□ Middle School	prevention or credit recovery programs			
□ High School	□ Students who do not have adequate access to			
□ Students with Disabilities	computing devices and/or high-speed internet at			
□ English Language Learners	their places of residence			
□ Students who are migratory or seasonal	□ Students who do not have internet access at			
farmworkers, or children of such workers	their place of residence			
□ Students experiencing homelessness and/or	□ Students in foster care			
housing insecurity	□ Students in juvenile justice system settings			
	□ Vulnerable populations/vulnerable students			
	□ Other (please identify in Question 3a, below)			

4. Additional Target Population(s). Check all that apply.

☑ Teachers/Teacher Aides
☑ Administrators
□ Parents/Guardians/Families/School Community
□ Technology Integration Specialists
□ Other

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2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 2

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5. How will this instructional technology goal be measured and evaluated during and after implementation? Be sure to include any tools and/or metrics that are part of this evaluation process. Examples might be formative data, local, state, and/or national LEA benchmarks, metrics from instructional software, other technology evaluation programs, etc.

Empower educators to effectively integrate technology to support curriculum and instruction and provide accessible learning opportunities for all students.

Action Step 1 - Increase teacher's quality and use of technology as a tool to improve learning, interact successfully in a 21st century skill environment and to achieve their personal, education, and workplace goals. (Professional Development) The district will review stakeholders participation in professional development opportunities.

Action Step 2 - Provide assistive technology screening/assessment of a child with a disability in the child's customary environment. Acquire appropriate and required assistive technology devices or equipment for students with disabilities. Customize, adapt, apply, repair or replace assistive technology devices. Coordinate and use other 2022-2024 Technology goals, interventions or services in conjunction with assistive technology. Provide training and technical assistance for students with disabilities, professionals, staff, teachers and family members.(Implementation). Quaterly reviews will be gathered where staff will be able to evalute the needs of students.

*Data will be collected through screenings to indicate what the child/ren need to be successful in their learning environment.

*District will contract with UB to send students to their assistive technology department to see what computer devices, equipment would best meet students needs.

Action Step 3 - To implement processes to allow for ongoing professional development and receive stakeholder feedback. (Collaboration)

Assistive technology programs will be purchased and placed on all student devices. We will be providing students and teachers training on how to use (i.e. Read/Write). We will assess the level of understanding of the new technology and how it is being used through a quarterly survey.

The district professional development plan is reviewed and revised yearly. Teachers complete forms at the end of each school year indicated what they still need training on. The district will use the feedback to create additional workshops for teachers.

80% of teachers will be fluent with using and assisting students with assistive technology devices by the end of the 2022-23 school year. There will be a growth of 10% each year with a score of 100% of all teachers being trained and proficient with assistive technology devices that the students use.

6. List the action steps that correspond to Goal #2 from your answer to Question 1, above. All cells in the table must be populated. If you have less than four action steps for this goal, you must enter N/A into columns two, three, four, five, and seven, and choose June 30, 2021 in the date column for all unneeded rows in the table.

	Action Step	Action Step - Description	Responsible Stakeholder:	"Other" Responsible Stakeholder	Anticipa ted date of complet ion	Anticipated Cost
Action Step 1	Professional Development	Increase teacher's quality and use of technology as a tool to improve learning, interact successfully in a 21st century skill environment and to	Curriculum and Instruction Leader	Director of Technology	06/30/2 023	5000

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2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 2

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	Action Step	Action Step - Description	Responsible Stakeholder:	"Other" Responsible Stakeholder	Anticipa ted date of complet ion	Anticipated Cost
		achieve their personal, education, and workplace goals.				
Action Step 2	Implementation	Provide training and technical assistance for students with disabilities, professionals, staff, teachers and family members.	Curriculum and Instruction Leader	Director of Technology	09/05/2 023	0
Action Step 3	Collaboration	To implement processes to allow for ongoing professional development and receive stakeholder feedback.	Classroom	Director of Special Education	06/28/2 024	0
Action Step 4	Communication s	Communicating quarterly with all stakeholders.	Building Principal	Director of Special Education	06/30/2 025	0

7. This question is optional.

If more action steps are needed, continue to list the action steps that correspond to Goal #2 from your answer to Question 1, above.

	Action Step	Action Step - Description	Responsible Stakeholder:	"Other" Responsible Stakeholder	Anticipa ted date of complet ion	Anticipated Cost
Action Step 5	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)
Action Step 6	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)
Action Step 7	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)
Action Step 8	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)

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IV. Action Plan - Goal 2

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1. Enter Goal 3 below:

Sherman will increase the effective use of digital environments to communicate and collaborate with the Sherman school community.

2. Select the NYSED goal that best aligns with this district goal.

Provide technology-enhanced, culturally- and linguistically-responsive learning environments to support improved teaching and learning

Target Student Population(s). Check all that apply.

₹	All students		Economically disadvantaged students
	Early Learning (Pre-K -3)		Students between the ages of 18-21
	Elementary/intermediate		Students who are targeted for dropout
	Middle School	pre	evention or credit recovery programs
	High School		Students who do not have adequate access to
	Students with Disabilities	CO	mputing devices and/or high-speed internet at
	English Language Learners	the	eir places of residence
	Students who are migratory or seasonal		Students who do not have internet access at
fai	mworkers, or children of such workers	the	eir place of residence
	Students experiencing homelessness and/or		Students in foster care
ho	using insecurity		Students in juvenile justice system settings
			Vulnerable populations/vulnerable students
			Other (please identify in Question 3a, below)

4. Additional Target Population(s). Check all that apply.

☑ Teachers/Teacher Aides
☑ Administrators
☑ Parents/Guardians/Families/School Community
☑ Technology Integration Specialists
□ Other

5. How will this instructional technology goal be measured and evaluated during and after implementation? Be sure to include any tools and/or metrics that are part of this evaluation process. Examples might be formative data, local, state, and/or national LEA benchmarks, metrics from instructional software, other technology evaluation programs, etc.

Using ThoughtExchange, the district will gather input communication from all stakeholders. The technology committee will review the exchange to determine key areas of communication in which the district needs to focus on (i.e. web base communication, phone systems, school messengar programs, etc.). Training and a districtwide implementation will be pushed out to all key stakeholders.

The district will implementation 3 forms of commucation contact with parents (school messanger, remind, and website). In the first year, 80% of the parent will connect with one or both messanger applications. The parent participation will increase to 100% by year 2 of the implementation of communication.

6. List the action steps that correspond to Goal #3 from your answer to Question 1, above. All cells in the table must be populated. If you have less than four action steps for this goal, you must enter N/A into columns two, three, four, five, and seven, and choose June 30, 2021 in the date column for all unneeded rows in the table.

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2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 3

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	Action Step	Action Step - Description	Responsible Stakeholder:	"Other" Responsible Stakeholder	Anticipa ted date of complet ion	Anticipated Cost
Action Step 1	Planning	Through surveys, thought-exchanges, the district will gather information to determine areas of need for communication by the district	Superintendent	Principal	12/30/2 022	2000
Action Step 2	Collaboration	The technology committee will review information received through surveys and other various methods and determine key communication needs	Director of Technology	Grade Level Teachers	01/03/2 023	1000
Action Step 3	Implementation	The district will review programs to assist with developing better means of communication and create a roll out plan for the staff, students, and community	Curriculum and Instruction Leader	Grade Level Teachers	09/04/2 023	1000
Action Step 4	Evaluation	The technology committee will come together yearly to review the selected programs and assess their successfulness.	Superintendent	Grade Level Teachers	06/26/2 025	2000

7. This question is optional.

If more action steps are needed, continue to list the action steps that correspond to Goal #3 from your answer to Question 1, above.

	Action Step	Action Step - Description	Responsible Stakeholder:	"Other" Responsible	Anticipa ted	Anticipated Cost
		Description	Stakerloider.		date of	
					complet	
					ion	
Action Step 5	(No Response)	(No Response)	(No Response)	(No Response)	(No	(No Response)
					Respo	
					nse)	
Action Step 6	(No Response)	(No Response)	(No Response)	(No Response)	(No	(No Response)
					Respo	
					nse)	

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IV. Action Plan - Goal 3

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	Action Step	Action Step - Description	Responsible Stakeholder:	"Other" Responsible	Anticipa ted	Anticipated Cost
					date of	
					complet	
					ion	
Action Step 7	(No Response)	(No Response)	(No Response)	(No Response)	(No	(No Response)
	, ,	,	, ,	,	Respo	, ,
					nse)	
Action Step 8	(No Response)	(No Response)	(No Response)	(No Response)	(No	(No Response)
					Respo	
					nse)	

8. Would you like to list a fourth goal?

Yes

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2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 4

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1. Enter Goal 4 below:

Sherman will teach K-12 computer science and digital fluency standards, utilizing a developed curriculum map that will include the five concept areas: Impacts of Computing, Computational Thinking, Networks and Systems Design, Cybersecurity, and Digital Literacy.

2. Select the NYSED goal that best aligns with this district goal.

Develop a strategic vision and goals to support student achievement and engagement through the seamless integration of technology into teaching and learning

2	Target Stude	ant Donulat	ion(s) Cha	ck all that	annly
3.	Target Stude	zni Populai	iion(s). Che	ck all that	appiy.

☑	All students	⊌	Economically disadvantaged students
₹	Early Learning (Pre-K -3)	⊌	Students between the ages of 18-21
₹	Elementary/intermediate	⊌	Students who are targeted for dropout
☑	Middle School	pre	evention or credit recovery programs
☑	High School	⊌	Students who do not have adequate access to
₹	Students with Disabilities	СО	mputing devices and/or high-speed internet at
☑	English Language Learners	the	eir places of residence
☑	Students who are migratory or seasonal	⊌	Students who do not have internet access at
far	mworkers, or children of such workers	the	eir place of residence
☑	Students experiencing homelessness and/or	⊌	Students in foster care
ho	using insecurity		Students in juvenile justice system settings
		⊌	Vulnerable populations/vulnerable students

☐ Other (please identify in Question 3a, below)

4. Additional Target Population(s). Check all that apply.

☑ Teachers/Teacher Aides
☑ Administrators
☑ Parents/Guardians/Families/School Community
☑ Technology Integration Specialists
□ Other

5. How will this instructional technology goal be measured and evaluated during and after implementation? Be sure to include any tools and/or metrics that are part of this evaluation process. Examples might be formative data, local, state, and/or national LEA benchmarks, metrics from instructional software, other technology evaluation programs, etc.

Grade bans will work together to create a vertical and horizontal curriculum map for K-12 digital literacy. (Highlighting skills taught, programs used, etc)

Staff will need additional professional development to assist with the implementation of teaching the digital literacy curriculum.

Evaluation and feedback will be on-going through the development, implementation, and planning stages of the digital curriculum

75% of the grade level curriculum maps will be created by 2023. 5% growth for two years till the district has all K-12 curriculum maps are finalized.

80% of the grade level rubrics will be created by 2023. 10% growth for one year until the district has all K-12 curriculum rubrics finalized.

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2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 4

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6. List the action steps that correspond to Goal #4 from your answer to Question 1, above. All cells in the table must be populated. If you have less than four action steps for this goal, you must enter N/A into columns two, three, four, five, and seven, and choose June 30, 2021 in the date column for all unneeded rows in the table.

	Action Step	Action Step - Description	Responsible Stakeholder:	"Other" Responsible Stakeholder	Anticipa ted date of complet ion	Anticipated Cost
Action Step 1	Collaboration	Review standards for digital literacy	Curriculum and Instruction Leader	Building Principal	12/30/2 022	2500
Action Step 2	Planning	Creating a K-12 digital literacy that meets all students learning styles	Building Principal	Curriculum and Instructional Leader	04/28/2 023	2500
Action Step 3	Professional Development	Providing staff with training deliver instruction around the K-12 digital standards	Superintendent	Business Official	02/28/2 023	2500
Action Step 4	Implementation	Monitoring and supporting implementation of the new digital curriculum	Building Principal	Director of Technology	06/30/2 025	0

7. This question is optional.

If more action steps are needed, continue to list the action steps that correspond to Goal #4 from your answer to Question 1, above.

	Action Step	Action Step - Description	Responsible Stakeholder:	"Other" Responsible Stakeholder	Anticipa ted date of complet ion	Anticipated Cost
Action Step 5	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)
Action Step 6	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)
Action Step 7	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)
Action Step 8	(No Response)	(No Response)	(No Response)	(No Response)	(No Respo nse)	(No Response)

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2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 4

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8. Would you like to list a fifth goal?

No

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 Explain how the district use of instructional technology will serve as a part of a comprehensive and sustained effort to support rigorous academic standards attainment and performance improvement for students.

The presence of technology in virtually every aspect of our lives forces us as educational leaders, parents, and students to think differently about how it can support learning. As advancing technology creates new opportunities for teaching and learning, the traditional concepts of schools and classrooms are being challenged. The current COVID-19 pandemic further emphasizes the need for technological integration in schools. Beyond the school walls, the global business market is demanding a new set of skills from college graduates and has an increasingly growing pool of workers from which to draw the best-qualified employees. At the same time, COVID has accelerated the rate of change in both educational and business models. New trends have moved political and business leaders to call for schools to transform themselves in order to create learning environments that promote 21st Century learning skills featuring ubiquitous access, active learning, critical thinking, collaborative learning, and knowledge creation. The teachers in this process and the transmission of said skills and knowledge become even more critical. They will need to use multiple teaching and learning tools and technologies to ensure that students have the academic background necessary for the future. In the Sherman School District, we acknowledge this changing environment and the need to change with it. We must find ways to become more efficient while increasing our effectiveness in raising student achievement. The District will continue to look at new processes and procedures while also looking at its existing practices to adapt to the new environment we all face.

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2. Explain the strategies the district plans to implement to address the need to provide equitable learning "everywhere, all the time" (National Technology Plan). Include both short and long-term solutions, such as device access, internet access, human capacity, infrastructure, partnerships, etc.

Funding has been allocated to establish an 'available for all' model. Mobile WiFi devices are available for families. Additional funding is set aside yearly towards infrastructure maintenance and advancement to ensure network capacity. Workshops and Professional Development will be provided regularly for all stakeholders including students, staff, faculty and community partners including parents.

3. Students with disabilities may be served through the use of instructional technology as well as assistive technology devices and services to ensure access to and participation in the general education curriculum. Describe how instruction using technology is differentiated to support the individual learning needs of students with disabilities.

All individualized education plans (IEP's) are honored with every intention of meeting all student's needs. Devices, such as Chromebooks, will be setup to assist the specific needs of students including accessibility settings, and peripheral devices/accessories that support the learning. This may include high contrast settings, text-to-speech Additionally, specific applications and devices may also be made available for special needs including 'TouchChat' on iPads. Other applications that are in regular use to help teachers differentiate learning include, Zoom with breakout rooms, Jamboard, Google Classroom, Screencastify, and many others.

- 4. How does the district utilize technology to address the needs of students with disabilities to ensure equitable access to instruction, materials, and assessments? Please check all that apply from the provided options and/or check 'Other' for options not available on the list.
 - ☑ Class lesson plans, materials, and assignment instructions are available to students and families for "anytime, anywhere" access (such as through a class website or learning management system).
 - ☑ Direct instruction is recorded and provided for students to access asynchronously (such as through a learning management system or private online video channel).
 - ☑ Technology is used to provide additional ways to access key content, such as providing videos or other visuals to supplement verbal or written instruction or content.
 - ☑ Text to speech and/or speech to text software is utilized to provide increased support for comprehension of written or verbal language.
 - ☑ Assistive technology is utilized.
 - ☑ Technology is used to increase options for students to demonstrate knowledge and skill.
 - ☑ Learning games and other interactive software are used to supplement instruction.
 - □ Other (please identify in Question 4a, below)

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	٧.	NYSED	Initiatives	Alignment
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5. Please select the professional development that will be offered to teachers of students with disabilities that will enable them to differentiate learning and to increase student language and content learning through the use of technology. Please check all that apply from the provided options and/or check 'Other' for options not available on the list.

☑ Technology to support writers in the	☑ Using technology as a way for students with
elementary classroom	disabilities to demonstrate their knowledge and
☑ Technology to support writers in the	skills
secondary classroom	☑ Multiple ways of assessing student learning
☑ Research, writing and technology in a digital	through technology
world	☑ Electronic communication and collaboration
☑ Enhancing children's vocabulary development	☑ Promotion of model digital citizenship and
with technology	responsibility
☑ Reading strategies through technology for	☑ Integrating technology and curriculum across
students with disabilities	core content areas
☑ Choosing assistive technology for instructional	☑ Helping students with disabilities to connect
purposes in the special education classroom	with the world
☑ Using technology to differentiate instruction in	□ Other (please identify in Question 5a, below)
the special education classroom	

- 6. How does the district utilize technology to address the needs of English Language Learners to ensure equitable access to instruction, materials, and assessments? Please check all that apply from the provided options and/or check 'Other' for options not available on the list.
 - ☑ Class lesson plans, materials, and assignment instructions are available to students and families for "anytime, anywhere" access (such as through class website or learning management system).
 - ☑ Direct instruction is recorded and provided for students to access asynchronously (such as through a learning management system or private online video channel).
 - ☑ Technology is used to provide additional ways to access key content, such as providing videos or other visuals to supplement verbal or written instruction or content.
 - ☑ Text to speech and/or speech to text software is utilized to provide increased support for comprehension of written or verbal language.
 - ☑ Home language dictionaries and translation programs are provided through technology.
 - ☑ Hardware that supports ELL student learning, such as home-language keyboards, translation pens, and/or interactive whiteboards, is utilized.
 - ☑ Technology is used to increase options for students to demonstrate knowledge and skill, such as through the creation of a product or recording of an oral response.
 - ☑ Learning games and other interactive software are used to supplement instruction.
 - ☐ Other (Please identify in Question 6a, below)
- 7. The district's Instructional Technology Plan addresses the needs of English Language Learners to ensure equitable access to instruction, materials, and assessments in multiple languages.

Yes

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V. NYSED Initiatives Alignment

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7a. If Yes, check one below:

In the 5 languages most commonly spoken in the district

7b. If 'Other' was selected in 7a, above, please explain here.

(No Response)

8. Please select the professional development that will be offered to teachers of English Language Learners that will enable them to differentiate learning and to increase their student language development and content learning with the use of technology. Please check all that apply from the provided options and/or check 'Other' for options not available on the list.

☑ Technology to support writers in the	☑ Multiple ways of assessing student learning
elementary classroom	through technology
☑ Technology to support writers in the	☑ Electronic communication and collaboration
secondary classroom	☑ Promotion of model digital citizenship and
☑ Research, writing and technology in a digital	responsibility
world	☐ Integrating technology and curriculum across
☑ Writing and technology workshop for teachers	core content areas
☑ Enhancing children's vocabulary development	☐ Web authoring tools
with technology	☑ Helping students connect with the world
☐ Writer's workshop in the Bilingual classroom	☐ The interactive whiteboard and language
☑ Reading strategies for English Language	learning
Learners	☑ Use camera for documentation
☑ Moving from learning letters to learning to	☐ Other (please identify in Question 8a, below)
read	
☑ The power of technology to support language	
acquisition	
☑ Using technology to differentiate instruction in	
the language classroom	

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9. How does the district utilize technology to address the needs of students experiencing homelessness and/or housing insecurity to ensure equitable access to instruction and learning? Please check all that apply from the provided options and/or check 'Other' for options not available on the list.

☑ McKinney-Vento	☑ Provide students a way to	☑ Conduct regular educational
information is prominently	protect and charge any devices	check-ins with all students
located on individual school	they are provided/with/by the	experiencing homelessness
websites, as well as the district	district.	and/or housing insecurity and
website.	☑ Replace devices that are	secure any help needed to keep
☐ If available,	damaged or stolen/as needed.	up with course work.
online/enrollment is easily	□ Assess readiness-to-use	☑ Adjust assignments/to be
accessible, written in an	technology/skills/before	completed successfully
understandable manner,	disseminating devices to	using/only/the/resources
available in multiple languages	students experiencing	students have available./
and accessible from a phone.	homelessness and/or housing	□ Provide online mentoring
☑ Offer/phone/enrollment as	insecurity.	programs.
an alternative to/in-	☑ Create individualized plans	☑ Create in-person and web-
person/enrollment.	for providing access to	based
☐ Set enrollment forms to	technology and internet on a	tutoring/programs/spaces/and/o
automatically provide the	case-by-case basis for any	r live chats/to assist with
McKinney-Vento liaison with	student experiencing	assignments and
contact information for students	homelessness and/or housing	technology/issues.
who indicate possible	insecurity.	□ Offer a technology/support
homelessness and/or housing	☑ Have/resources/available	hotline during flexible hours.
insecurity	to/get/families and students	☑ Make sure
☑ Create a survey to obtain	step-by-step instructions on	technology/support is offered in
information/about students'	how to/set-up and/use/their	multiple languages.
living situations,/contact	districts Learning Management	□ Other (Please identify in
information,/access to internet	System or website.	Question 9a, below)
and devices for/all/students	☑ Class lesson plans,	
in/the/enrollment processes/so	materials, and assignment	
the district can/communicate	instructions are available to	
effectively and/evaluate their	students and families for	
needs.	☑ Direct instruction is	
☐ Create simple videos in	recorded and provided for	
multiple languages, and with	students to access	
subtitles, that explain	asynchronously (such as	
McKinney-Vento rights and	through a learning	
services, identify the	management system, DVD,/ or	
McKinney-Vento liaison, and	private online video channel)./	
clarify enrollment instructions.	☑ Technology is used to	

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□ Create mobile enrollment provide additional ways to stations by equipping buses access key content, such as with laptops, internet, and staff providing videos or other at peak enrollment periods. visuals to supplement verbal or ☑ written instruction or content. Provide/students/experiencing homelessness/and/or housing insecurity with tablets or laptops, mobile hotspots, prepaid cell phones, and other devices and connectivity.

- 10. How does the district use instructional technology to facilitate culturally responsive instruction and learning environments? Please check all that apply from the provided options and/or check 'Other' for options not available on the list.
 - ☑ a) The district uses instructional technology to strengthen relationships and connections with families to assist in building a culturally responsive learning environment to enhance student learning.
 - ☑ b) The district uses instructional technology to facilitate classroom projects that involve the community.
 - ☑ c) The district uses instructional technology to develop and organize coherent and relevant units, lessons, and learning tasks that build upon students' cultural backgrounds and experiences.
 - ☑ d) The district uses instructional technology to assist in varying teaching approaches to accommodate diverse learning styles and language proficiencies.
 - ☑ e) The district uses instructional technology to enable students to communicate and collaborate with students in different schools or districts in New York State, the United States, or with different countries.
 - ☑ f) The district uses instructional technology to facilitate collaborative classroom projects among heterogeneous student groups.
 - □ g) Other (please identify in Question 10a, below)

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VI. Administrative Management Plan

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1. Staff Plan

Provide the Full-Time Equivalent (FTE) count, as of plan submission date, of all staff whose primary responsibility is delivering technology integration training and support and/or technical support.

io donitoring toomiology intogration training and ot	apport and/or toomingar capports
	Full-time Equivalent (FTE)
District Technology Leadership	1.00
Instructional Support	1.00
Technical Support	0.40
Totals:	2.40

2. Investment Plan

Provide a three-year investment plan to support the vision and goals. All costs must be calculated for the entire three year-period, not annualized. For example, if a cost occurs annually, the estimated cost should include the annual cost times three.

Provide a three-year investment plan to support the vision in Section II and goals in Section IV.

A chart with drop-down choices is provided in order for NYSED to obtain consistent responses to this question.

All cells in the table must be populated. If you have less than four items in your plan, you must choose N/A for columns one, two, four, five and six, and put zero in column three (estimated cost) for each unneeded row.

	Anticipated Item or Service	"Other" Anticipated Item or Service	Estimated Cost	Is Cost One-time, Annual, or Both?	Potential Funding Source	"Other" Funding Source
1	End User	na	200,000	One-time	□ BOCES Co-	na
	Computing				Ser purchase	
	Devices				□ District	
					Operating Budget	
					□ District Public	
					Bond	
					□ E-Rate	
					☑ Grants	
					□ Instructional	
					Materials Aid	
					□ Instructional	
					Resources Aid	
					☐ Smart Schools	
					Bond Act	
					□ Other (please	
					identify in next	
					column, to the	
					right)	
					□ N/A	
2						

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	Anticipated Item or Service	"Other" Anticipated Item or Service	Estimated Cost	Is Cost One-time, Annual, or Both?	Potential Funding Source	"Other" Funding Source
	Internet	na	18,000	Annual	☑ BOCES Co-	na
	Connectivity				Ser purchase	
					District	
					Operating Budget	
					□ District Public	
					Bond	
					☑ E-Rate	
					☐ Grants	
					☐ Instructional	
					Materials Aid	
					□ Instructional	
					Resources Aid	
					☐ Smart Schools	
					Bond Act	
					☐ Other (please	
					identify in next	
					column, to the	
					right)	
					□ N/A	
3	Instructional	na	30,000	Both	☑ BOCES Co-	na
	and Administrative			2011	Ser purchase	
	Software				☑ District	
					Operating Budget	
					□ District Public	
					Bond	
					□ E-Rate	
					☐ Grants	
					☐ Instructional	
					Materials Aid	
					Instructional	
					Resources Aid	
					☐ Smart Schools	
					Bond Act	
					☐ Other (please	
					identify in next	
					column, to the	
					right)	

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	Anticipated Item or	"Other" Anticipated	Estimated Cost	Is Cost One-time,	Potential Funding	"Other" Funding
	Service	Item or Service		Annual, or Both?	Source □ N/A	Source
4	End User Computing Devices	na	100,000	Annual	BOCES Co- Ser purchase District Operating Budget District Public Bond E-Rate Grants Instructional Materials Aid Instructional Resources Aid Smart Schools Bond Act Other (please identify in next column, to the right) N/A	na
Totals:			348,000			

3. Has the school district provided for the loan of instructional computer hardware to students legally attending nonpublic schools pursuant to Education Law, section 754?

Not Applicable

4. Districts are required to post either the responses to this survey or a more comprehensive technology plan that includes all of the elements in this survey. Please provide the URL here. The URL must link to a public website where the survey or plan can be easily accessed by the community.

https://shermancsd.org/board-of-education-public-documents-techpaln22-25/

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VII. Sharing Innovative Educational Technology Programs

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1. Please choose one or more topics that reflect an innovative/educational technology program that has been implemented for at least two years at a building or district level. Use 'Other' to share a topic that is not on the list.

☐ 1:1 Device Program	□ Engaging School	□ Policy, Planning, and
☐ Active Learning	Community through	Leadership
Spaces/Makerspaces	Technology	□ Professional Development /
☐ Blended and/or Flipped	□ English Language Learner	Professional Learning
Classrooms	☐ Instruction and Learning	□ Special Education
□ Culturally Responsive	with Technology	Instruction and Learning with
Instruction with Technology	□ Infrastructure	Technology
□ Data Privacy and Security	□ OER and Digital Content	□ Technology Support
□ Digital Equity Initiatives	□ Online Learning	□ Other Topic A
□ Digital Fluency Standards	□ Personalized Learning	□ Other Topic B
		□ Other Topic C

2. Provide the name, title, and e-mail of the person to be contacted in order to obtain more information about the innovative program(s) at your district.

	Name of Contact Person	Title	Email Address	Innovative Programs
Please complete all columns	(No Response)	(No Response)	(No Response)	☐ 1:1 Device
				Program
				□ Active Learning
				Spaces/Makerspace
				s
				□ Blended and/or
				Flipped Classrooms
				□ Culturally
				Responsive
				Instruction with
				Technology
				□ Data Privacy and
				Security
				□ Digital Equity
				Initiatives
				□ Digital Fluency
				Standards
				□ Engaging School
				Community through
				Technology
				□ English
				Language Learner
				□ Instruction and

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Name of Contact Person	Title	Email Address	Innovative Programs
			Learning with
			Technology
			□ Infrastructure
			☐ OER and Digital
			Content
			□ Online Learning
			□ Personalized
			Learning
			□ Policy, Planning,
			and Leadership
			□ Professional
			Development /
			Professional
			Learning
			□ Special
			Education
			Instruction and
			Learning with
			Technology
			□ Technology
			Support
			□ Other Topic A
			□ Other Topic B
			□ Other Topic C

3. If you want to list multiple contact points for the innovative programs above, please provide the names, titles, and e-mail addresses of the people to be contacted to obtain more information about the innovative program(s) at your district.

	Name of Contact Person	Title	Email Address	Innovative Programs
Please complete all columns	(No Response)	(No Response)	(No Response)	☐ 1:1 Device
				Program
				☐ Active Learning
				Spaces/Makerspace
				s
				□ Blended and/or
				Flipped Classrooms
				□ Culturally
				Responsive
				Instruction with

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	Name of Contact Person	Title	Email Address	Innovative Programs
				Technology
				□ Data Privacy and
				Security
				☐ Digital Equity
				Initiatives
				□ Digital Fluency
				Standards
				□ Engaging School
				Community through
				Technology
				□ English
				Language Learner
				☐ Instruction and
				Learning with
				Technology
				□ Infrastructure
				□ OER and Digital
				Content
				□ Online Learning
				□ Personalized
				Learning
				□ Policy, Planning,
				and Leadership
				□ Professional
				Development /
				Professional
				Learning
				□ Special
				Education
				Instruction and
				Learning with
				Technology
				□ Technology
				Support
				☐ Other Topic A
				☐ Other Topic B
				☐ Other Topic C
Please complete all columns	(No Response)	(No Response)	(No Response)	□ 1:1 Device

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Name of Contact Person	Title	Email Address	Innovative Programs
			Program
			☐ Active Learning
			Spaces/Makerspace
			s
			☐ Blended and/or
			Flipped Classrooms
			☐ Culturally
			Responsive
			Instruction with
			Technology
			□ Data Privacy and
			Security
			□ Digital Equity
			Initiatives
			□ Digital Fluency
			Standards
			□ Engaging School
			Community through
			Technology
			□ English
			Language Learner
			☐ Instruction and
			Learning with
			Technology
			□ Infrastructure
			□ OER and Digital
			Content
			□ Online Learning
			□ Personalized
			Learning
			□ Policy, Planning,
			and Leadership
			□ Professional
			Development /
			Professional
			Learning
			□ Special
			Education

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	Name of Contact Person	Title	Email Address	Innovative Programs
				Instruction and
				Learning with
				Technology
				☐ Technology
				Support
				☐ Other Topic A
				☐ Other Topic B
				☐ Other Topic C
Please complete all columns	(No Response)	(No Response)	(No Response)	
columns	(No Nesponse)	(No Kesponse)	(No Kesponse)	☐ 1:1 Device
				Program
				☐ Active Learning
				Spaces/Makerspace
				s
				□ Blended and/or
				Flipped Classrooms
				□ Culturally
				Responsive
				Instruction with
				Technology
				□ Data Privacy and
				Security
				□ Digital Equity
				Initiatives
				□ Digital Fluency
				Standards
				☐ Engaging School
				Community through
				Technology
				□ English
				Language Learner
				☐ Instruction and
				Learning with
				Technology
				☐ Infrastructure
				☐ OER and Digital
				Content
				☐ Online Learning
				□ Personalized

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Name of Contact Person	Title	Email Address	Innovative Programs
			Loorning
			Learning
			□ Policy, Planning,
			and Leadership
			□ Professional
			Development /
			Professional
			Learning
			□ Special
			Education
			Instruction and
			Learning with
			Technology
			□ Technology
			Support
			□ Other Topic A
			☐ Other Topic B
			□ Other Topic C

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