#### 2022-2025 Instructional Technology Plan - 2021

### I. District LEA Information

Page Last Modified: 09/07/2021

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

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

Other

2a. If 'Other' was selected in Question 2 above, please identify the title.

Chief Technology 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?

**Mission Statement:** To educate and prepare all students to reach their potential, discover their purpose, and be engaged community members.

#### Core Values:

- · Academics: Delivering instructional and assessment practices that are aligned to a strong and relevant curriculum;
- Character: Fostering positive character traits that are essential to becoming contributing members of society;
- Community: Strengthening family, school, and community partnerships through transparent communication.
- Wellness: Enhancing social-emotional wellness and balance for students and staff by supporting active, healthy lifestyles and promoting positive behavior.

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

Our vision is to enhance, evolve and change the way we teach and learn to prepare our school community for a world that is ever evolving. Our vision

is to have Bethlehem Central School District graduates have the knowledge and skills to be independent and proficient seekers, managers and creators

of information and have the ability to leverage technology in ways that empower them to be successful in their futures.

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.

A technology plan review committee was formed in September 2021 consisting of parents, teachers, administrators, students, and community members. The committee met five times over the 2021-2022 school year October 20th, December 15th, February 16th, March 16th, and will meet again May 13th. During the meetings, vision statements, goals and action plans were reviewed, revised, or further developed. Between meetings, committee members solicited feedback from their colleagues to inform the planning process. All work was completed while keeping in mind the Bethlehem Central School District's overall mission, vision, and core values. Finally, this plan was submitted to NERIC for review and feedback prior to submitting to the state.

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

The district's previous instructional technology plans were collaboratively developed, maintained, and updated regularly over the last decade. The committee's work in redesigning this round's instructional technology plan pays a lot of respect to the groundwork laid before with consideration to all that has happened as a result of the COVID 19 Pandemic and the new goals moving forward.

Factors guiding this plans updates:

- · Alignment to the districts core values academics, character, community, and wellness
- District 1:1 Chromebook take-home model was originally only high school, now there is a need down through the elementary grades to take home nightly
- Implementation of NYS Ed Law 2D part 121
- Recent district technology audits- Grey Castle, Amplified IT
- Results from the district climate survey, state equity survey, bright bytes, etc.

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#### 2022-2025 Instructional Technology Plan - 2021

II. Strategic Technology Planning

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

In addition to meetings with faculty and staff, regular technology committee meetings, and various surveys, the district has utilized its reopening committee to guide navigating through the continuing pandemic. Prior to the pandemic, less than 50% of staff were utilizing technology above the substitution and augmentation levels on the SAMR rubric based on results from the Brightbytes survey. The pandemic has dramatically increased the use of technology by all faculty and staff. This new plan recognizes the gains we have made as a district and community and puts an emphasis on the effective use of technology, equitable access, and the wellness of not only all of the individuals in the district but of the network itself.

6. Is your district currently fully 1:1?

Yes

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.

Bethlehem Central School District's Professional Development Plan represents a commitment to the enhancement of student learning and achievement through the growth and development of professional staff. It is the intent of the District through this plan, to provide professional development opportunities that foster and support continuous improvement and continuing success of teachers and other professionals throughout the District.

The Professional Development Plan is implemented primarily through the activities of the District's Professional Practices Council with the support of the Professional Advancement Committee. The District provides a substantial annual budget of local monies for this purpose and accesses applicable grant funds as well. The Staff Development Committee of the PPC accomplishes its charge on a detailed annualized schedule of activities. The annual cycle includes needs assessment and program development, implementation, and evaluation. On an annual basis, the professional development programs will include such opportunities as release days for workshops and conferences, after-school workshops, and study teams. The venues that are available for professional development include Department meetings, faculty meetings, Continuous Improvement meetings, after-school drop-in sessions, and Annual Summer Technology Bootcamp in August.

Bethlehem Central School District has an established team of professional development providers for all technology deployed to teachers and students. The PD team includes the IT Staff, high school and middle school teachers employed on a stipend as Departmental Technology Liaisons, elementary teachers (5) employed on a stipend as Technology Integration Coaches, and (1) K-12 full-time Instructional Technology Specialist.

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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:

Significantly

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:

Significantly

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

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:

Significantly

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# 2022-2025 Instructional Technology Plan - 2021

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# 1. Enter Goal 1 below:

#### **Goal 1: Academics**

Provide differentiated and personalized learning opportunities rich in communication, collaboration, critical thinking, and creative expression within student-centered learning spaces as shown by an increase of 10% annually on the modification and redefinition SAMR levels on the Brightbytes survey.

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

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### 2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 1

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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.

This goal will be measured by looking at the district data in the following sources:

Brightbytes- effective technology integration measures

Stafftrac- PD participation and observation measures

Wellness survey- technology use

Catch on-application use

Tech committee meeting minutes

Data will be consistently monitored and evaluated by the district technology committees.

6. List the action steps that correspond to Goal #1 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	Provide regular professional development opportunities that educate teachers on effective technology integration	Assistant Superintendent	N/A	06/30/2 025	225,000
Action Step 2	Curriculum	Unpack and rollout NYS Digital Fluency and Computer Science standards	Assistant Superintendent	N/A	06/30/2 025	300,000
Action Step 3	Collaboration	K-12 Instructional Technology Specialist will collaborate with teachers and co-teach classes to support effective technology integration and support the implementation of NYS CS & DF standards	Director of Technology	N/A	06/30/2 025	0
Action Step 4	Staffing	Establish at least 1 K- 12 Instructional Technology Specialist	Director of Technology	N/A	06/30/2 022	140,000

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## 2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 1

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Action Step	Action Step -	Responsible	'Other' Responsible	Anticipa	Anticipated Cost
	Description	Stakeholder:	Stakeholder	ted date	
				of	
				complet	
				ion	
	who will continue to				
	develop the established technology				
	integration leaders				
	within each building				
	and department				

# 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.

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	Action Step	Action Step -	Responsible	"Other" Responsible	Anticipa	Anticipated Cost
		Description	Stakeholder:	Stakeholder	ted date	
					of	
					complet	
					ion	
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

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1. Enter Goal 2 below:

#### **Goal 2: Character**

Continue to work towards developing contributing members of society with a focus on digital citizenship, college and careers, growth mindset, and flexibility as indicated by our wellness indicators increasing 5% annually on the district wellness survey.

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	□ E	conomically disadvantaged students
	Early Learning (Pre-K -3)	□ S	tudents between the ages of 18-21
	Elementary/intermediate	□ S	tudents who are targeted for dropout
	Middle School	preve	ention or credit recovery programs
	High School	□ S	tudents who do not have adequate access to
	Students with Disabilities	comp	outing devices and/or high-speed internet at
	English Language Learners	their	places of residence
	Students who are migratory or seasonal	□ S	tudents who do not have internet access at
fai	mworkers, or children of such workers	their	place of residence
	Students experiencing homelessness and/or	□ S	tudents in foster care
ho	using insecurity	□ S	tudents in juvenile justice system settings
		□ V	ulnerable populations/vulnerable students
		□ 0	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.

This goal will be measured by looking at the district data in the following sources:

Brightbytes- effective technology integration measures

Stafftrac- PD participation and observation measures

Wellness survey- technology use

Lightspeed Filter- technology use

Catch on-application use

Tech committee meeting minutes

Data will be consistently monitored and evaluated by the district technology committees.

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	
Action Step 1	Curriculum	Collaborate with physical and mental health providers on Implementing digital wellness practices into their curricula	Instructional Technology Coach	N/A	06/30/2 023	10,000
Action Step 2	Collaboration	Vertical planning and skills alignment of the NYS CS & DF standards into existing technology course structures K-12	Assistant Superintendent	N/A	06/30/2 024	50,000
Action Step 3	Planning	Study screen time and evaluate need for district intervention of screen time limits	Director of Technology	N/A	06/30/2 024	100,000
Action Step 4	N/A	n/a	N/A	n/a	04/14/2 022	n/a

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.

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# 2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 2

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	Action Step	Action Step -	Responsible	"Other" Responsible	Anticipa	·
		Description	Stakeholder:	Stakeholder	ted date	
					of	
					complet	
					ion	
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

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1. Enter Goal 3 below:

#### **Goal 3: Community**

The District will utilize technology to better support making connections outside of the school walls in order to improve communications with the Bethlehem Community and beyond, ensuring 100% of students have access to a device and the internet at home based on the digital equity survey.

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

Increase equitable access to high-quality digital resources and standards-based, technology-rich learning experiences

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

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### 2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 3

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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.

This goal will be measured by looking at the district data in the following sources:

Digital Equity Survey- access to internet

Brightbytes- effective technology integration measures

Stafftrac- PD participation and observation measures

Wellness survey- technology use

Lightspeed Filter- technology use

Catch on-application use

Tech committee meeting minutes

Data will be consistently monitored and evaluated by the district technology committees.

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.

	Action Step	Action Step - Description	Responsible Stakeholder:	"Other" Responsible Stakeholder	Anticipa ted date of complet ion	Anticipated Cost
Action Step 1	Purchasing	Evaluate need for internet at home and provide Hot spots to all who need.	Director of Technology	N/A	06/30/2 023	20,000
Action Step 2	Communications	Create an ada compliant district website	Other (please identify in Column 5)	Communications	06/30/2 022	0
Action Step 3	Collaboration	Create targeted events for parents and families regarding technology like Aspen, device monitoring, etc.	Curriculum and Instruction Leader	N/A	06/30/2 023	10,000
Action Step 4	Infrastructure	Create a secure guest network available to the community	Director of Technology	N/A	06/30/2 023	30,000

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.

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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	
Action Step 5	Community Partnerships	Utilizing technology in order to Create meaningful connections outside of the school walls	Instructional Technology Coach	N/A	06/30/2 024	10,000
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)

# 8. Would you like to list a fourth goal?

Yes

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#### 2022-2025 Instructional Technology Plan - 2021

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4				
1.	Enter	Goal	4	below:

#### Goal 4: Wellness

Provide a safe, secure, and sustainable infrastructure in order to support current and future instructional environments as evidenced by 0 cyber incidents.

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

Design, implement, and sustain a robust, secure network to ensure sufficient, reliable high-speed connectivity for learners, educators, and leaders

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
	Othor

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.

programs, etc.
Data from:
Crowdstrike
KnowB4
MS-ISAC
Catch On
Stoff Trac

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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 -	Responsible	"Other" Responsible	Anticipa	Anticipated Cost
		Description	Stakeholder:	Stakeholder	ted date	
					of	
					complet	
					ion	
Action Step 1	Professional Development	Attend annual training to keep with network best practices-NYSCATE, ISTE, NYS cybersecurity, NERIC/BOCES trainings, etc.	Director of Technology	N/A	06/30/2 025	50,000
Action Step 2	Purchasing	Streamline hardware/software request process in alignment with 2D and district policies and procedures	Director of Technology	N/A	06/24/2 024	0
Action Step 3	Infrastructure	Migrate current infrastructure to Aruba Hardware and software	Director of Technology	N/A	06/30/2 025	750,000
Action Step 4	N/A	n/a	N/A	n/a	04/14/2 022	n/a

# 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 -	Responsible	"Other" Responsible	Anticipa	Anticipated Cost
		Description	Stakeholder:	Stakeholder	ted 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)	
Action Step 7	(No Response)	(No Response)	(No Response)	(No Response)	(No	(No Response)

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# 2022-2025 Instructional Technology Plan - 2021

IV. Action Plan - Goal 4

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	Action Step	Action Step -	Responsible	"Other" Responsible	Anticipa	Anticipated Cost
		Description	Stakeholder:	Stakeholder	ted date	
					of	
					complet	
					ion	
					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 fifth goal?

No

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#### 2022-2025 Instructional Technology Plan - 2021

V. NYSED Initiatives Alignment

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1. 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.

Bethlehem will demonstrate dedication and success to the effective integration of technology within state-of-the-art learning standards throughout the district's K-12 curriculum. We will strive for BC's updated technology-infused curriculum documents to serve as exemplary models of locally developed curricula that incorporate progressive learning standards.

Bethlehem instructional technology is supported by a full-time K-12 Instructional Technology Specialist, as well as 20 classroom teachers district-wide who are stipended technology coaches or liaisons. This group will focus on unpacking the NYS Computer Science and Digital Fluency standards and providing timely and appropriate training for district teachers. The District supports professional development offerings that focus on effective technology integration and instructional implementation of the curriculum.

A cornerstone of Bethlehem's instructional technology philosophy is understanding how technology can enhance student learning. In other words, effective technology integration is more than just the tech tool; it means developing an engaging, meaningful, and authentic standards-based lesson, and then choosing a relevant tech tool that will facilitate student mastery of the content and skills. Through training and professional development, the instructional tech team will help teachers grow in their understanding of how technology can be leveraged to enhance student learning, achieving lessons that align with the Redefinition level of the SAMR model.

**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.

The district is committed to ensuring all students have equitable access to learning and technology wherever and whenever they need it. The district provides a 1:1 device to all students k-12 that can be taken home. Embedded in this program and our regular budget is a replacement cycle of the Chromebooks. Chromebooks are replaced every four years. The district has three help desk technicians whose primary responsibility is to support these devices daily. Additionally we have an established student help desk program of approximately 30 students who also help to support the 1:1 Chromebook program.

In order for the 1:1 devices to work fully, having access to safe, secure high speed internet is a must. While in school students have this access. Using the state digital equity survey, we were able to determine which of our students do not have access to high speed internet and provide them a hotspot to use at home. We will continue to evaluate this and purchase more hot spots as needed.

Another strategy the district is utilizing to ensure all students have equitable access to learning is investing in a 24/7 online tutoring service called paper. This connects students to real tutors whenever they need to assist them with their classes.

Finally the district is working with the counseling staff and community to develop a series of technology information nights for parents to help them better navigate this ever connected world.

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### 2022-2025 Instructional Technology Plan - 2021

#### V. NYSED Initiatives Alignment

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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.

Technology in the classroom can serve as a great equalizer. When used effectively, technology can help teachers differentiate instruction and empower students with special needs. There are various different devices and programs out there for students with all types of special needs.

Technology allows teachers to easily differentiate instruction to meet the unique needs of our students like varying reading levels, accessing and processing language, etc. The district invests in a number of different programs that help differentiate in many areas. For ELA, the district is subscribed to NewsELA, Reading A-Z, Lexia, Snap and Read, Co Writer, Literacy Footprints, Scholastic Scope, etc. We also purchase a number of tools for speech and social interventions like SpeakAgent, Social Express, Boardmaker, Boom Learning, Panorama, esgi, and Intervention Compass.

Technology helps to even the playing field by allowing these students different ways to participate or express themselves. Programs like Kami, Snap & Read and Co:Writer allow students to process language more easily. Additionally, we have worked with NERIC to make our district website and resources fully ADA compliant so we can use things like a screen reader.

As a 1:1 Chromebook district, all of our students, including those with special needs, have access to multiple different accessibility tools within the device to help them access the learning materials. For example, we have an assistive technology specialist who teaches students who may need speech to text or text to speech services how to access them on their device. Additionally, that person is responsible for determining which apps or programs for that device (or a different device) are necessary and appropriate for helping students achieve their IEP goals. The assistive technology specialist also meets with teams and students to recommend alternative and additional devices and or supports for those students to be more successful in their educational goals. In the interest of supporting the student, they also meet with families to encourage support at home which improves the students' acceptance of tools and supports at school.

- 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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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
- ☑ 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)

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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.

Vac

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)

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

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private online video channel)./

McKinney-Vento liaison, and

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clarify enrollment instructions.  ☐ Technology is used to ☐ Create mobile enrollment provide additional ways to
☐ 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)

For help with completing the plan, please visit 2022-2025 ITP Resources for Districts on our website, contact your district's RIC, or email edtech@nysed.gov.

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#### 2022-2025 Instructional Technology Plan - 2021

#### 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.

0 0, 0 1.	• •
	Full-time Equivalent (FTE)
District Technology Leadership	1.00
Instructional Support	1.00
Technical Support	7.00
Totals:	9.00

# 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	Estimated Cost	Is Cost One- time, Annual, or	Potential Funding Source	"Other" Funding Source
1	Professional Development	or Service N/A	75,000	Both?  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,	N/A

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# VI. Administrative Management Plan

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	Anticipated Item	"Other"	Estimated Cost	Is Cost One-	Potential	"Other" Funding
	or Service	Anticipated Item or Service		time, Annual, or Both?	Funding Source	Source
		or Service		Botti		
					to the right)	
2					□ N/A	
2	End User	N/A	400,000	Annual	☑ BOCES Co-	N/A
	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)	
2					□ N/A	
3	Instructional	N/A	450,000	Annual	☑ BOCES Co-	N/A
	and				Ser purchase	
	Administrative				☑ District	
	Software				Operating	
					Budget	
					□ District	
					Public Bond	
					□ E-Rate	
					□ Grants	
					□ Instructional	
					Materials Aid	
					□ Instructional	

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	Anticipated Item	"Other"	Estimated Cost	Is Cost One-	Potential	"Other" Funding
	or Service	Anticipated Item		time, Annual, or	Funding Source	Source
		or Service		Both?		
					Resources Aid	
					□ Smart	
					Schools Bond	
					Act	
					□ Other	
					(please identify	
					in next column,	
					to the right)	
					□ N/A	
4		N/A	80,000			N/A
	Internet	IN/A	00,000	Annual	☑ BOCES Co-	14/7
	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	
Totals:			1,005,000			

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?

Y	е	S

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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.

The district has a public website

https://www.bethlehemschools.org/departments-services/technology/

For help with completing the plan, please visit 2022-2025 ITP Resources for Districts on our website, contact your district's RIC, or email edtech@nysed.gov.

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## 2022-2025 Instructional Technology Plan - 2021

## VII. Sharing Innovative Educational Technology Programs

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1.	Please choose one or more topics that reflect a	an innovative/educational technolo	ogy program that has been implemented for
	at least two years at a building or district level.	Use 'Other' to share a topic that is	s 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

**1a.** If you selected 'Other Topic A' above, please describe in a few words the topic of your district's innovative program.

Student Help Desk

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   E	Email Address	Innovative Programs
Please complete all columns Erin Sheevers CTO	Email Address esheevers@bethlehemschoo ls.org	Innovative Programs  1:1 Device Program Active Learning Spaces/Makerspaces Blended and/or Flipped Classrooms Culturally Responsive Instruction with Technology Data Privacy and Security Digital Equity Initiatives Digital Fluency Standards Engaging School Community through

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Name of Contact Person	Title	Email Address	Innovative Programs
			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

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	Navaar Johnson	Sr. Network and Systems Technician	njohnson@bethlehemschool s.org	□ 1:1 Device  Program □ Active Learning  Spaces/Makerspaces □ Blended and/or  Flipped Classrooms

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Name of Contact Person	Title	Email Address	Innovative Programs
			□ 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
			Instruction and
			Learning with
			Technology
			□ Technology
			Support
			☑ Other Topic A
			□ Other Topic B

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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)	☐ 1:1 Device
				Program
				☐ Active Learning
				Spaces/Makerspaces
				□ 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

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Name of Contact Person	Title	Email Address	Innovative Programs
			□ 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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