2022-2025 Instructional Technology Plan - 2021

I. District LEA Information

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

Thomas Lynch

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.

Executive Director for Instructional Technology and STEM

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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 Seaford Schools is to enhance the students' academic, artistic, social, and technological skills to meet the challenges of a rapidly changing and increasingly global society. The BOE goals for the 21-22 school year are as follows:

- Teaching and Learning: Provide an enriched learning environment that promotes and supports the academic growth of students so that they may reach their full potential while becoming positive contributors to society.
- Social Emotional Learning & Safety: Create a safe, secure and nurturing environment that supports the physical, social and emotional needs of our students
- Financial: Create a fiscally responsible and operationally efficient budget that maintains and enhances the integrity of all programs.
- · Communication: Maintain and enhance communication systems that ensure the open flow of information with all stakeholders.

The incorporation of technology in the district is viewed through these four lenses and these BOE goals are inherent in all decisions made by the district.

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

The Board of Education's vision for the district is to provide the opportunity for faculty, staff, students, parents and community to develop, through communication and involvement, a sense of ownership, spirit and pride in the schools. The educational process will be designed to address individual differences while focusing on the belief that all students can learn and succeed.

Achievement of students and teachers will be assessed continually to monitor progress. Students and teachers will be held accountable to high standards, not only academically, but in conduct as well. Students will be nurtured with a sense of cultural awareness, including an appreciation of the arts, of tolerance, and of diversity and to be respectful and responsible citizens of a global community.

Using the SAMR model, educators can achieve this vision using our 1:1 devices in a myriad of ways, allowing students to demonstrate their learning.

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 Seaford School District has formed several committees with several stakeholders at the meetings.

The first committee is the ACT (Advisory Committee on Technology). The committee is made up of Administrators, Teachers, Board of Education members and community members. The community members are technology specialists. This committee focuses on hardware, networking, server environments, etc. The discussions mostly focused around the hardware and environment to maintain optimum efficiency for our instructional environment. This committee meets twice a year.

The second committee is the TSC (Technology Steering Committee). This committee is made up of administrators and teachers. The committee's discussion focuses on the use of instructional tools and software that are used in daily instruction. Examples of this would Office 365, Epson Interactive Projectors, Zoom video conferencing, Go Math, Edmodo, Nearpod, etc. This committee meets quarterly, or more often if needed. The third committee is the PDC (Professional Development Committee). This committee is made up of administrators, teachers and community members. The committee's discussions focus on the professional development offerings that the district needs to provide for faculty, students and community members. Examples of professional development offered are Zoom, Website creation, Smart Notebook, Office365 (Several offerings depending on level of proficiency). This committee meets quarterly.

The three committees recommendations were shared with Central Administration and the BOE.

Outcomes:

- 1. Platforms choosen for different grade levels: K 2 Seasaw, 3 12 Teams
- 2. Devices choosen for different grade levels: K 2 iPads, 3 12 HP Laptops
- 3. Pedalogical model for teachers to learn about and implement: SAMR
- 4. Forms of Professional Development: Model Schools, in-house, vendors. Both virtual and in-person
- 5. Infrastructure upgrades: Cat 6a wiring completed throughout the District

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2022-2025 Instructional Technology Plan - 2021

II. Strategic Technology Planning

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

The focus of the District's previous plan was two-fold: developing the infrastructure and incorporating the SAMR model. Now that the district is completely 1:1, with time being spent selecting the next generation of devices, the focus will be mostly on professional and curriculum enhancements. This can include:

- Online coursework/Distant Learning for students
- · Utilizing Model School Days for faculty and staff
- · Exploration into online textbooks
- · Use of simulations and virtual laboratory experiences
- · Student created materials

A survey was distributed to staff in December 2021 on which software and hardware they would like to explore further.

The planning process was modified due to the needs of the district changing as a result of the pandemic. Planning occurred virtually and was focused on providing a stable virtual classroom platform. We still met our goals from the previous plan, and may have surpassed them as a result of the pandemic, in the area of professional development and teachers incorporating all levels of the SAMR model in their instruction. These have been ongoing goals.

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

The pandemic coincided with our 1:1 initiative which was beneficial for us to continue our educational program. In addition, the knowledge base of all users (teachers, students, administrators) grew out of necessity. Below are some of the ways this was achieved:

- Online or blended learning options: During the spring of the 2019 2020 school year all classes were virtual, using a myriad of software programs.
 During the 2020 2021 school year we used a hybrid model, allowing us to continue working with students who were at home and providing remote access for teachers as needed.
- · Internet connectivity: Several surveys were sent out and building administrators were consulted to determine if there were any needs in this area.
- Device purchases: In addition to our planned rollout of devices, we were able to complete our 1:1 program with a grant from Senator Brooks. This accelerated our model for K 2, where we had originally planned for a shared cart for each grade, to where each classroom had its own cart and students were assigned the same device.
- Device deployment: During the spring of the 2019 2020 school year we developed a drive-in model for deploying devices. A survey was sent out to parents if they required a device at home for student use. They scheduled a time for pickup and returned at the end of the year. Deployment during the 2020 2021 school year was managed similarly to what was done in the past.
- The District accessed Nassau BOCES Model School Days, vendor trainers, and in-house trainers throughout the 2019 2020 and 2020 2021 school years. These trainings were all virtual.
- The District made the decision on having all classes K 2 use Seesaw and Zoom and 3 12 use Microsoft Teams. This provides a consistent approach for our parents, staff and students. Trainings for all constituents were completed virtually and were recorded (and posted on the district website) for future viewing.
- Parent Engagement: Surveys and trainings were available for all stakeholders.

How was internet connectivity addressed for students that did not have internet access at home? This was not an issue for our district.

What were the results of the wireless survey, and how were those results addressed? We not only sent out a survey but also contacted our student support staff as another means of collecting technology needs data.

How were students trained to use new devices? Was training needed?

Students received training in class on how to use their devices. In addition, instructional videos were created and posted on the district website, providing additional support. Our students have demonstrated that they are already competent users of technology.

What were the results of the parent surveys and how were the responses addressed? As stated before, the surveys indicated that there were no technology needs but did indicate that there was a need to streamline platforms that students would use. The District selected SeeSaw for grades K-2 and Teams for 3-12.

6. Is your district currently fully 1:1?

Yes

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II. Strategic Technology Planning

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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.

Please see the responses below:

How the technology professional development aligns with the district's overall goals to improve learning and instruction?

The District's goals are met through PD that is utilizes the SAMR model and allows both student and teacher to utilize resources through their 1:1 device. This has ranged from direct instruction and remote learning to assessment and review.

How has the district determined the current capacity of educators?

Over the past several years the District has conducted various surveys, small and large group PD sessions as well as utilizing district mentors to provide data on users current skills and also plan for future PD. During the pandemic, these efforts were intensified to best support our teachers and students at that time.

How the district will provide targeted, needs-based, and personalized professional development based on each teacher's capacity and interest?

Data is collected in a variety of means as discussed earlier. The District then provides workshops based on the feedback from teachers. These workshops can be done in-house by our 'expert teachers', facilitated by MSD personnel or sessions can be facilitated by specific vendors who we have either purchased their product or are considering to do so in the future.

How will the effectiveness of the professional development plan will be evaluated?

Data is continually collected via workshops, conversations at the individual, department, building and district level, surveys, etc., to determine the effectiveness of our PD and what are logical next steps.

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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.

 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:

Significantly

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:

Significantly

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2022-2025 Instructional Technology Plan - 2021

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4	Entor	Caal 1	helow:

Evaluate our current devices and explore new 1:1 devices that will determine our purchases for the next three years in terms of end-user devices.

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 prevention or
☐ Middle School	credit recovery programs
☐ High School	☐ Students who do not have adequate access to
☐ Students with Disabilities	computing devices and/or high-speed internet at their
☐ English Language Learners	places of residence
☐ Students who are migratory or seasonal farmworkers,	☐ Students who do not have internet access at their place
or children of such workers	of residence
☐ Students experiencing homelessness and/or housing	☐ Students in foster care
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.

The district will inquire from our vendors 1:1 devices that will meet our needs and financial constraints. It is our hope that we will have several options available to us at our price point. Our Technology Steering Committee (TSC) has already developed a questionnaire to determine which features would be most important to our students and staff. From this data we inquired from our vendor which devices have these features and are within our price point. The devices, when received, will then participate in a 'road show', being available in the faculty rooms of each school. Teachers will complete a QR code survey for each device and that information will be shared with the TSC. The next device will be selected after this process is completed.

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	Research	Determine which features are most useful for users	Other (please identify in	TSC	06/30/2 025	0

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2022-2025 Instructional Technology Plan - 2021

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
			Column 5)			
Action Step 2	Planning	Create a survey for teachers to complete	Other (please identify in Column 5)	TSC	06/30/2 025	0
Action Step 3	Communica tions	Share selected devices with staff to evaluate	Other (please identify in Column 5)	TSC	06/30/2 025	0
Action Step 4	Purchasing	Purchase Devices	Director of Technology	Executive Director for IT and STEM	06/30/2 025	200000

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)
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:

Continue professional development for staff to have them identify and utilize all levels of the SAMR Model. This model has four distinct areas/levels:

- Substitution
- · Augmentation
- Modification
- · Redefinition

2.

It is important for staff to understand these levels and select those that are appropriate for the instructional task at hand.

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

Provide access to relevant and rigorous professional development to ensure educators and leaders are proficient in the integration of learning technologies

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 prevention or
☐ Middle School	credit recovery programs
☐ High School	Students who do not have adequate access to
☐ Students with Disabilities	computing devices and/or high-speed internet at their
☐ English Language Learners	places of residence
☐ Students who are migratory or seasonal farmworkers,	Students who do not have internet access at their place
or children of such workers	of residence
☐ Students experiencing homelessness and/or housing	Students in foster care
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.

Surveys will be created to determine what are the needs of the faculty. Previous work, which may continue in a modified fashion, as included learning about the Office 365 environment, using Microsoft products and other software, communicating effectively to colleagues, administrators and parents, as well as creating a digital presence within the district. From the surveys, the district will use the Model School Day allotment, as well as vendor workshops, to address faculty needs.

The District expects that most teachers are comfortable with the O365 environment and that there will be little need, or interest, in additional PD in this area. The District anticipates that there will be more interest in third party platforms such as SeeSaw, Nearpod, Mentimeter, etc. Surveys will be created to determine what are the needs of the faculty. Previous work, which may continue in a modified fashion, as included learning about the Office 365 environment, using Microsoft products and other software, communicating effectively to colleagues, administrators and parents, as well as creating a digital presence within the district. From the surveys, the district will use the Model School Day allotment, as well as vendor workshops, to address faculty needs.

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,

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IV. Action Plan - Goal 2

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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	Conduct Surveys	Other (please identify in Column 5)	TSC	06/30/2 025	0
Action Step 2	Planning	Determine what district staff needs in terms of professional development	Other (please identify in Column 5)	TSC	06/30/2 025	0
Action Step 3	Planning	Create a schedule for implementing PD	Director of Technology	EDIT STEM	06/30/2 025	0
Action Step 4	Professional Developme nt	Use of Model School Days and Vendor PD	Director of Technology	EDIT STEM	06/30/2 025	31447

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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1	Enter	Goal	3	below:

Provide appropriate infrastructure to support our 1:1 initiative.

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 □ Early Learning (Pre-K -3) □ Elementary/intermediate □ Students between the ages of 18-21 □ Elementary/intermediate □ Students who are targeted for dropout prevention or credit recovery programs □ High School □ Students with Disabilities □ English Language Learners □ Students who are migratory or seasonal farmworkers, or children of such workers □ Students experiencing homelessness and/or housing insecurity □ Students in juvenile justice system settings □ Vulnerable populations/vulnerable students □ Other (please identify in Question 3a, below)		
□ Elementary/intermediate □ Students who are targeted for dropout prevention or credit recovery programs □ High School □ Students who do not have adequate access to computing devices and/or high-speed internet at their places of residence □ English Language Learners □ Students who are migratory or seasonal farmworkers, or children of such workers □ Students who do not have internet access at their place of residence □ Students experiencing homelessness and/or housing insecurity □ Students in foster care □ Students in juvenile justice system settings □ Vulnerable populations/vulnerable students	☑ All students	Economically disadvantaged students
☐ Middle School credit recovery programs ☐ High School Students who do not have adequate access to ☐ Students with Disabilities computing devices and/or high-speed internet at their ☐ English Language Learners places of residence ☐ Students who are migratory or seasonal farmworkers, or children of such workers Students who do not have internet access at their place of residence ☐ Students experiencing homelessness and/or housing insecurity Students in foster care ☐ Students in juvenile justice system settings ☐ Vulnerable populations/vulnerable students	□ Early Learning (Pre-K -3)	Students between the ages of 18-21
☐ High School ☐ Students who do not have adequate access to ☐ Students with Disabilities computing devices and/or high-speed internet at their ☐ English Language Learners places of residence ☐ Students who are migratory or seasonal farmworkers, or children of such workers Students who do not have internet access at their place of residence ☐ Students experiencing homelessness and/or housing insecurity ☐ Students in foster care ☐ Students in juvenile justice system settings ☐ Vulnerable populations/vulnerable students	□ Elementary/intermediate	Students who are targeted for dropout prevention or
□ Students with Disabilities computing devices and/or high-speed internet at their □ English Language Learners places of residence □ Students who are migratory or seasonal farmworkers, or children of such workers □ Students who do not have internet access at their place of residence □ Students experiencing homelessness and/or housing insecurity □ Students in foster care □ Students in juvenile justice system settings □ Vulnerable populations/vulnerable students	☐ Middle School	credit recovery programs
 □ English Language Learners □ Students who are migratory or seasonal farmworkers, or children of such workers □ Students who do not have internet access at their place of residence □ Students experiencing homelessness and/or housing insecurity □ Students in foster care □ Students in juvenile justice system settings □ Vulnerable populations/vulnerable students 	☐ High School	Students who do not have adequate access to
 □ Students who are migratory or seasonal farmworkers, or children of such workers □ Students who do not have internet access at their place of residence □ Students experiencing homelessness and/or housing insecurity □ Students in foster care □ Students in juvenile justice system settings □ Vulnerable populations/vulnerable students 	☐ Students with Disabilities	computing devices and/or high-speed internet at their
or children of such workers Students experiencing homelessness and/or housing insecurity Students in juvenile justice system settings Vulnerable populations/vulnerable students	☐ English Language Learners	places of residence
□ Students experiencing homelessness and/or housing insecurity □ Students in foster care □ Students in juvenile justice system settings □ Vulnerable populations/vulnerable students	☐ Students who are migratory or seasonal farmworkers,	Students who do not have internet access at their place
insecurity Students in juvenile justice system settings Vulnerable populations/vulnerable students	or children of such workers	of residence
□ Vulnerable populations/vulnerable students	☐ Students experiencing homelessness and/or housing	Students in foster care
1 1	insecurity	Students in juvenile justice system settings
☐ Other (please identify in Question 3a, below)		Vulnerable populations/vulnerable students
		Other (please identify in Question 3a, below)

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

Teach	orc/T	'aaah	or 1	doc

- ☑ 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.

The district continues to improve the infrastructure and takes an active role in addressing network security, network speed and access to content on the world wide web. Web traffic will be monitored, subscribed websites will go through the Ed Law 2D process, and efficiencies will be identified and acted upon.

Our Director of Technology and Information system, working in tandem with our outside contractor Custom Computers, work continually to monitor the network and identify how better to support students use of their 1:1 device.

We have also used other third party vendors that have provided feedback to our team on how to better optimize the network.

The District will have regular status reports from both internal auditors and third party vendors to ensure that we are moving towards this goal.

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:	Stakeholder	Anticipa ted date of complet ion	Anticipated Cost
Action Step 1	Infrastructur	Evaluate current	Director of	EDIT STEM	06/30/2	300000

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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
	е	district needs and plan according	Technology		025	
Action Step 2	Professional Developme nt	Training for various online platforms	Other (please identify in Column 5)	TSC	06/30/2 025	0
Action Step 3	Data Privacy	Verify network security and Ed Law 2D compliance	Director of Technology	EDIT STEM	06/30/2 025	0
Action Step 4	Cybersecuri ty	Network penetration tests	Director of Technology	EDIT STEM	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 #3 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)

8. Would you like to list a fourth goal?

No

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2022-2025 Instructional Technology Plan - 2021

V. NYSED Initiatives Alignment

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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.

This district's instructional technology plan is ingrained into the everyday instruction presented to students. The district has been completely 1:1 since November of 2020 and has made a significant investment into the infrastructure, devices and training to support our PDL program.

Technology is integrated in daily instruction using the following:

- · Epson interactive whiteboards
- Bluetooth and wireless connections to various peripherals
- Use of Microsoft Teams (3-12) and Seesaw (K-2) as a main platform for instruction
- · Use of video conference apps such as Teams and Zoom
- · Use of online assessments such as IXL, Castle Learning

Teachers use the technology in the following ways:

- · Lessons that are stored electronically for students to access at anytime
- Use of the Epson interactive whiteboards, which allows them to model as well as providing the ability for students to share their work to with their classmates
- · Teacher use of virtual laboratory assignments
- · Teachers have the ability to 'push out': assignments, notes, assessments, and other educational materials
- Teachers can monitor student work using Classwize

Students use the technology for basic functions, such as writing papers, completing assignments, taking assessments, creating presentations, etc. They have also used the devices to personalize their note taking, organize their work, create a planner, interact virtually with their peers and instructors, present virtually at science fairs and other academic competitions, etc.

The use of technology at Seaford UFSD has allowed teachers and students to instruct and learn in multiple formats, in some cases, providing individualized instruction and multiple means of assessing learning.

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 National Technology Education Plan has 5 main categories: Teaching, Learning, Assessment, Infrastructure and Leadership. Each of these have been addressed throughout this document and will be summarized once again here.

Teaching: Educators will be supported by technology that connects them to people, data, content, resources, expertise, and learning experiences that can empower and inspire them to provide more effective teaching for all learners. Educators can collaborate beyond the classroom and reach not only students but other resources as well to improve their practice. This will be accomplished through various PD opportunities.

Learning: All learners will have engaging and empowering learning experiences in both formal and informal settings that prepare them to be active, creative, knowledgeable, and ethical participants in our globally connected society. This is attained through various curricular resources, communication platforms such as Zoom and Teams, and collaboration of staff members and administration. Our Personalized Digital Learning initiative promotes an instructional approach that can optimize the needs of each learner. Learning objectives, instructional approaches, and instructional content (and its sequencing) all may vary based on learner needs. In addition, learning activities are meaningful and relevant to learners, driven by their interests, and often self-initiated.

Assessment: At all levels, students in Seaford UFSD will have access to the power of technology to demonstrate their mastery of content. Teachers will use assessment data to improve learning and instruction. Various types of assessments will be used: summative assessments measure student knowledge and skills at a specific point in time. Formative assessments will measure students' mastery of content. This will be available to teachers via online textbook resources, assessment programs such as Castle Learning, and self-directed assessments such as those offered via Khan Academy. Infrastructure: All students and educators will have access to a robust and comprehensive infrastructure when and where they need it for learning. We have recently completely updated our infrastructure: switches, routers, access points, etc., and are currently evaluating the next generation of laptops for student use.

Leadership: We have created an environment where teachers are leaders of digitized instruction. In addition, we have specific teacher leaders that are tasked with support educators within their building. At an administrative level, Seaford UFSD also has several positions dedicated to supporting current technology-enabled education within the roles and responsibilities of education leaders at all levels and set state, regional, and local visions for technology in learning.

In our district students have access to the internet at home either by a cable provider or cellular hotspot. There were no requests from parents for internet access at home.

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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.

Students with disabilities have access to an assistive technology coordinator that assesses student needs and makes appropriate recommendations based on strengths and weaknesses. Assistive technology varies based on needs from low tech to high tech programs, devices and tools. Our students have access to the following technology programs based on needs: dictation/voice recognition, immersive reader, audiobooks (book share), read & write software, word prediction (embedded Microsoft and co-writer), alternate keyboard (enlarged/modified), changes in text size, spacing, color, background color, use of pictures/symbols with text, talking electronic device/software to pronounce, challenging words, single word scanners Technology tools to address motor and composition aspects of writing include the following: Pencil/pen with adaptive grip, adapted paper (e.g. raised line, highlighted lines), slantboard, use of pre-written words/phrases, enlarged math worksheets

Students that require technology to engage in the classroom are provided communication devices such as Novachat and programs like Proloque on their own district-issued iPad.

Students that require technology for hearing have access to: personal amplification system/hearing aid, FM and closed captioning.

- 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.
 - lacktriangledown 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)
- 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 elementary classroom
 - ☑ Technology to support writers in the secondary classroom
 - ☐ Research, writing and technology in a digital world
 - ☑ Enhancing children's vocabulary development with technology
 - ☑ Reading strategies through technology for students with disabilities
 - Choosing assistive technology for instructional purposes in the special education classroom
 - ☑ Using technology to differentiate instruction in the special education classroom

- Using technology as a way for students with disabilities to demonstrate their knowledge and skills
- ☑ Multiple ways of assessing student learning through technology
- ☑ Electronic communication and collaboration
- ☑ Promotion of model digital citizenship and responsibility
- ☑ Integrating technology and curriculum across core content areas
- ☑ Helping students with disabilities to connect with the world
- ☐ Other (please identify in Question 5a, below)

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- 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)
- 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

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	elemen	tary
	classroom							

- ☑ Technology to support writers in the secondary classroom
- ☐ Research, writing and technology in a digital world
- ☑ Writing and technology workshop for teachers
- ☑ Enhancing children's vocabulary development with technology
- ☐ Writer's workshop in the Bilingual classroom
- ☑ Reading strategies for English Language Learners
- oxdots Moving from learning letters to learning to read
- ☑ The power of technology to support language acquisition
- ☑ Using technology to differentiate instruction in the language classroom

- Multiple ways of assessing student learning through technology
- oxdiv Electronic communication and collaboration
- ☐ Promotion of model digital citizenship and responsibility
- ☑ Integrating technology and curriculum across core content areas
- ☑ Web authoring tools
- Helping students connect with the world
- ☑ The interactive whiteboard and language learning
- ☑ Use camera for documentation
- ☐ Other (please identify in Question 8a, below)

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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 information is prominently located on individual school websites, as well as the district website.
- ☑ If available, online/enrollment is easily accessible, written in an understandable manner, available in multiple languages and accessible from a phone.
- ☐ Offer/phone/enrollment as an alternative to/in-person/enrollment.
- ☐ Set enrollment forms to automatically provide the McKinney-Vento liaison with contact information for students who indicate possible homelessness and/or housing insecurity
- ☑ Create a survey to obtain information/about students' living situations,/contact information,/access to internet and devices for/all/students in/the/enrollment processes/so the district can/communicate effectively and/evaluate their needs.
- ☐ Create simple videos in multiple languages, and with subtitles, that explain McKinney-Vento rights and services, identify the McKinney-Vento liaison, and clarify enrollment instructions.
- ☐ Create mobile enrollment stations by equipping buses with laptops, internet, and staff at peak enrollment periods.
- Provide/students/experiencing homelessness/and/or housing insecurity with tablets or laptops, mobile hotspots, prepaid cell phones, and other devices and connectivity.

- Provide students a way to protect and charge any devices they are provided/with/by the district.
- ☑ Replace devices that are damaged or stolen/as needed.
- ☐ Assess readiness-to-use technology/skills/before disseminating devices to students experiencing homelessness and/or housing insecurity.
- ☐ Create individualized plans for providing access to technology and internet on a case-by-case basis for any student experiencing homelessness and/or housing insecurity.
- ☐ Have/resources/available to/get/families and students stepby-step instructions on how to/setup and/use/their districts Learning Management System or website.
- Class lesson plans, materials, and assignment instructions are available to students and families for
- □ Direct instruction is recorded and provided for students to access asynchronously (such as through a learning management system, DVD,/ 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.

- ☐ Conduct regular educational checkins 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 web-based tutoring/programs/spaces/and/or 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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- 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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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.

	Full-time Equivalent (FTE)
District Technology Leadership	2.00
Instructional Support	0.00
Technical Support	6.00
Totals:	8.00

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 or Service	Estimated Cost	Is Cost One-time, Annual, or Both?	Potential Funding Source	"Other" Funding Source
1	End User Computing Devices	na	200,000	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
2	Internet Connectivity	Infrastructure Peripheral Devices	300,000	Annual	 □ BOCES Co- Ser purchase ☑ District Operating Budget □ District Public 	NA

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	Andrew 111	HOTE THE A SECTION	Fallson I.C. :	1. 0	Barrag 15 "	HOthers F
	Anticipated Item or Service	"Other" Anticipated Item or Service	Estimated Cost	Is Cost One-time, Annual, or Both?	Potential Funding Source	"Other" Funding Source
					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	Professional Development	Staffing	31,447	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
4	N/A	na	0	N/A	□ BOCES Co- Ser purchase □ District Operating Budget □ District Public Bond □ E-Rate □ Grants □ Instructional Materials Aid	na

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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
					□ Instructional Resources Aid □ Smart Schools Bond Act □ Other (please identify in next column, to the right) □ N/A	
Totals:			531,447			

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?

Yes

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.

Technology Resources / Technology Plans (seaford.k12.ny.us)
https://www.seaford.k12.ny.us/Page/198

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

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	Name of Contact Person Fred Kaden	Title Director of Technology and Information Systems	Email Address fkaden@seaford.k12.ny.us		1:1 Device Program Active Learning Spaces/Makers paces 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

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VII. Sharing Innovative Educational Technology Programs

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Name of Contact Person	Title	Email Address	Inno	ovative Programs
				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	Name of Contact Person Thomas Lynch	Title EDIT STEM	Email Address tlynch1@seaford.k12.ny.us		1:1 Device Program Active Learning Spaces/Makers paces 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
				22	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 C
Please complete all columns	(No Response)	(No Response)	(No Response)	□ 1:1 Device Program □ Active Learning Spaces/Makers paces □ 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 C
Please complete all columns	(No Response)	(No Response)	(No Response)	□ 1:1 Device Program □ Active Learning Spaces/Makers paces □ 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	Inno	ovative 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

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