

Instructional Technology Plan - 2015LEA Information

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A. LEA Information

1. **What is the total student enrollment based on the most recent BEDS Day submission?**

2,306

2. **What is the student enrollment by grade band based on the latest BEDS Day submission?**

	Enrollment
Grades K-2	492
Grades 3-5	527
Grades 6-8	546
Grades 9-12	741

3. **What is the name of the district administrator entering the technology plan survey data?**

[REDACTED]

4. **What is the title of the district administrator entering the technology plan survey data?**

[REDACTED]

Instructional Technology Plan - 2015Instructional Technology Vision and Goals

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B. Instructional Technology Vision and Goals**1. Please provide the district mission statement.**

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.

2. Please provide the executive summary of the instructional technology plan, including vision and goals.

Our "Three-Year Technology Plan: 2015-2018" builds on our solid foundation and strong commitment to educational technology to provide technological tools that facilitate teaching and learning in order to implement NYS standards and prepare students for state assessments. In order to realize this goal, we are planning to upgrade the technological infrastructure that was achieved during our previous technology plans. A major emphasis of our new plan is to upgrade to a Fiberoptic Wide Area Network (WAN) to accommodate greater bandwidth within the district and out to the Internet. We also plan implement a School Notification System, install a digital video surveillance system, and implement an ID card system with access control to improve district security.

We have a number of ongoing instructional goals that will be continued over the next three years. We plan to maintain current technology throughout the district with a five-year replacement cycle. We plan to replace older, large screen TV monitors with wall-mounted interactive projectors. We also plan to expand the use of presentation technology including Smartboards and Document Cameras, and introduce an Audience Response System for each of our schools for assessment purposes. Other priorities that are ongoing include the expansion of portable and handheld technology, video conferencing systems and applications, online databases and Web services, and software upgrades for compatibility with newer operating systems to meet instructional needs.

Our curriculum plans are constantly updated based on classroom experience, curriculum reviews, summer workshops, new state mandates, new regents requirements, and changes to state standards.

Staff development initiatives including Technology Academy Courses and Computer Tutorials will continue to be modified based on staff interest and instructional need, which, in our opinion, is the most effective way to increase the acceptance and adoption of technology integration in each school. Parent education in the form of workshops and PTA meetings will continue to be offered to the broader school community.

Staffing for technology services, a secretary, a part time aide, and outsourced repair technicians, has been expanded greatly over the past few years and we do not anticipate any additional technology staff at this time.

3. Please summarize the planning process used to develop the instructional technology plan. Please include the stakeholder groups participating and outcomes of the instructional technology plan development meetings.

In Seaford we enlist the support of our building level administrators and teachers to develop a needs assessment related to technology during our annual budget planning sessions. For the last five years the district has had an Advisory Committee for Technology made up of community members with career knowledge in technology fields which, working with our Director Of Technology reports to the Board on a regular basis concerning the operation of the district's technological pursuits and the needs of the future. We are currently in the fourth year of our initial five year plan for technology which has led to a full turnover of student computers, interactive whiteboards placed in all classrooms, each of our buildings being made fully wireless and additional security cameras throughout the district.

4. Please provide the source(s) of any gap between the current level of technology and the district's stated vision and goals.

- ☐ Access Points
- ☒ Cabling
- ☐ Connectivity

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- ☐ Device Gap
- ☐ Network
- ☒ Professional Development
- ☒ Staffing
- ☐ Other
- ☐ No Gap Present

5. **Based upon your answer to question four, what are the top three challenges that are causing the gap? If you chose "No Gap Present" in question four, please enter N/A.**

Available resources. Tax Levy Cap. Other priorities.

Instructional Technology Plan - 2015

Instructional Technology & Infrastructure Inventory

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C. Technology and Infrastructure Inventory

1. **What is the available network broadband bandwidth? Please express speed in Mb (Megabits) or Gb (Gigabits). ***

	Minimum Capacity (Expressed in Mb or Gb)	Maximum Capacity (Expressed in Mb or Gb)
Network Bandwidth: Incoming connection TO district schools (WAN)	100 Mb	100 Mb
Internal Network Bandwidth: Connections BETWEEN school buildings (LAN)	10 Gb	40 Gb
Bandwidth: Connections WITHIN school buildings (LAN)	10 Gb	40 Gb100 Mb

2. **What is the total contracted Internet access bandwidth for your district? Please express speed in Mb (Megabits) or Gb (Gigabits).**

100 Mb

3. **What is the name of the agency or vendor that your district purchases its primary Internet access bandwidth service from?**

Nassau BOCES

4. **Which wireless protocols are available in the district? Of these, which are currently in use? Check all that apply.**

	Available/In Use
802.11a	☐ Available ☐ In Use
802.11b	☐ Available ☐ In Use
802.11g	☐ Available ☐ In Use
802.11n	☒ Available ☒ In Use
802.11ac	☒ Available ☒ In Use
802.11ad	☐ Available ☐ In Use
802.11af	☐ Available ☐ In Use

5. **Do you have wireless access points in use in the district?**

Yes

- 5B. **What percentage of your district's instructional space has wireless coverage?**

100

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Instructional Technology & Infrastructure Inventory

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6. Does the district use a wireless controller?

Yes

7. What is the port speed of the switches that are less than five years old in use in the district?

1 Gb

8. How many computing devices less than five years old are in use in the district?

	Number of devices in use that are less than five years old	How many of these devices are connected to the LAN?
Desktop computers/Virtual Machine (VM)	649	649
Laptops/Virtual Machine (VM)	52	52
Chromebooks	0	0
Tablets less than nine (9) inches with access to an external keyboard	0	0
Tablets nine (9) inches or greater with access to an external keyboard	0	0
Tablets less than nine (9) inches without access to an external keyboard	243	243
Tablets nine (9) inches or greater without access to an external keyboard	0	0
Totals:	944	944

9. Of the total number of students with disabilities in your district, what percentage of these students are provided with assistive technology as documented on their Individualized Education Programs (IEPs)?

13

10. From your technology needs assessment, please describe any additional assistance or resources that, if provided, would enhance the district's ability to provide improved access to technologies, including assistive technologies, for students with disabilities.

Additional professional development, specific to using technology with classified students would be a great benefit to our teachers and students.

11. How many peripheral devices less than five years old are in use in the district?

	Number of devices in use that are less than five years old
Document Cameras	27
Flat Panel Displays	162
Interactive Projectors	105
Interactive Whiteboards	34
Multi-function Printers	38
Projectors	48
Scanners	0
Other Peripherals	0
Totals:	414

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- 12. If a number was provided for "Other Peripherals" please specify the peripheral device(s) and quantities for each.**

(No Response)

- 13. Does your district have an asset inventory tagging system for district-owned equipment?**

Yes

- 14. Does the district allow students to Bring Your Own Device (BYOD)?**

No

- 15. 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

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Software and IT Support

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D. Software and IT Support**1. What are the operating systems in use in the district?**

	Is this system in use?
Mac OS Version 9 or earlier	No
Mac OS 10 or later	Yes
Windows XP	Yes
Windows 7.0	Yes
Windows 8.0 or greater	Yes
Apple iOS 7 or greater	Yes
Chrome OS	No
Android	No
Other	No

2. Please provide the name of the operating system if the response to question one included "Other."

(No Response)

3. What are the web browsers, both available and supported, for use in the district?

	Web Browsers available and supported for use
Internet Explorer 7	No
Internet Explorer 8	No
Internet Explorer 9 or greater	Yes
Mozilla Firefox	Yes
Google Chrome	Yes
Safari (Apple)	Yes
Other	No

4. Please provide the name of the web browser if the response to question three included "Other."

(No Response)

5. Please provide the name of the learning management system (LMS) most commonly used in the district.

Infinite Campus

6. Please provide the names of the five most commonly used software programs that support classroom instruction in the district.

Microsoft Word, Microsoft Power Point, Smart Notebook, Epson Brighlink Software, Adobe Reader/Preview

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Software and IT Support

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7. **Please provide the names of the five most frequently used research databases if applicable.**

Twayne's Literary Criticism, JSTORE, Lexis Nexs-Scholastic, Opposing Viewpoints, Pro-Quest Central

8. **Does the district have a Parent Portal?**

Yes

- 8B. **Check all that apply to your Parent Portal if the response to question eight is "Yes."**

- ☒ Attendance
- ☒ Homework
- ☒ Student Schedules
- ☒ Grade Reporting
- ☒ Transcripts
- ☒ Other

- 8C. **If 'other' was selected in question eight (a), please specify the other feature(s).**

Behavioral reports

9. **What additional technology-based strategies and tools, besides the Parent Portal, are used to increase parent involvement?**

- ☒ Learning Management System
- ☒ Emergency Broadcast System
- ☒ Website
- ☐ Facebook
- ☐ Twitter
- ☐ Other

10. **Please list title and FTE count (as of survey submission date) of all staff whose primary responsibility is technical support.**

Title	Number of Current FTEs
Director of Technology	1.00
Outsourced Technicians	4.00
	5.00

Instructional Technology Plan - 2015Curriculum and Instruction

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E. Curriculum and Instruction**1. What are the district's plans to use digital connectivity and technology to improve teaching and learning?**

The district is in the process of creating digitally friendly environments (both structurally and technologically) to meet the current demands of today's society.

2. Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials, and assessments?

Yes

2B. If "Yes", please specify.

Specific budget items are created every year to ensure equitable access to instruction, materials, and assessments. Each year new software and technologies are researched and evaluated to see if the need is a better option for students with disabilities.

3. Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?

Yes

3B. If "Yes", please provide detail.

Specific budget items are created every year to ensure equitable access to instruction, materials, and assessments. Each year new software and technologies are researched and evaluated to see if the need is a better option for students with disabilities.

Instructional Technology Plan - 2015

Professional Development

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F. Professional Development

1. Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience, and method of delivery within your summary.

Method of Delivery	Topics	Audience
District held in-service classes	Website Creation, Web 2.0, Blended Learning, Apple OS and iOS, Learning Management Systems, Microsoft Tools, etc.	All faculty
Teq Online Professional	Grade and Subject level content, iPad, Microsoft, Apple, Special Education, Project based learning, Digital Storytelling, etc.	Teachers
BOCES Hosted Professional Development	Various	Teachers and administrators
Web-ex	Software specific to the district. Example: Classlink Launchpad	All Faculty
On-Site Professional Development	LMS, Smart Software, etc.	All faculty

2. Please list title and FTE count (as of survey submission date) of all staff whose primary responsibility is technology integration training and support for teachers.

Title	Number of Current FTEs
Director of Technology	1.00
	1.00

Instructional Technology Plan - 2015Technology Investment Plan

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G. Technology Investment Plan

1. Please list the top five planned technology investments in priority order over the next three years.

	Anticipated Item or Service	Estimated Cost	Is Cost One-time or Annual	Potential Funding Source (May list more than one source per item.)
1	Broadband	35,000	Annual	Budget
2	Network Cabling	800,000	One Time	Smart Schools Bond
3	Other	300,000	One Time	Smart Schools Bond
4	Servers	70,000	One Time	Budget
5	Laptops	275,000	One Time	Budget
Totals:		1,480,000		

2. If "Other" was selected in question one, please specify.

Switches.

Instructional Technology Plan - 2015Status of Technology Initiatives and Community Involvement

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H. Status of Technology Initiatives and Community Connectivity

1. **Please check any developments, since your last instructional technology plan, that affect the current status of the technology initiatives.**

- ☒ Changes in District Enrollment
- ☒ Changes in Staffing
- ☒ Changes in Funding
- ☐ Technology Plan Implementation
- ☐ Computer-based Testing
- ☐ Catastrophic Event
- ☒ Developments in Technology
- ☒ Changes in Legislation
- ☐ Other
- ☐ None

2. **In this section, please describe how the district plans to increase student and teacher access to technology, in school, at home, and in the community.**

Through the use of cloud based technologies (Office 365, Classlink Launchpad, etc...) the district will be able to bring instruction outside the four walls of the classroom.

3. **Please check all locations where Wi-Fi service is available to students within the school district geographical boundaries.**

- ☒ School
- ☐ Home
- ☐ Community
- ☐ None

Instructional Technology Plan - 2015

Instructional Technology Plan Implementation

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I. Instructional Technology Plan Implementation

1. **Please provide the timeline and major milestones for the implementation of the instructional technology plan as well as the action plan to integrate technology into curriculum and instruction to improve student learning.**

As stated earlier we are currently in year 4 of a five year technology plan. A copy of this plan can be made available as necessary.

Instructional Technology Plan - 2015Monitoring and Evaluation

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J. Monitoring and Evaluation

1. **Please describe the proposed strategies that the district will use to evaluate, at least twice a year, the effectiveness of the implementation of the district's instructional technology plan to improve teaching and learning.**

We are in the fourth year of a five year technology plan which includes the requested information. The document related to the plan is attached.

2. **Please fill in all information for the policies listed below.**

	Date of Public Forum (If applicable)	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	(No Response)	http://www.seaford.k12.ny.us/cms/lib011/NY0100674/Centricity/Domain/3/Seaford_Policy_R16.pdf	2008
Internet Safety/Cyberbullying	08/22/2013	http://www.seaford.k12.ny.us/cms/lib011/NY0100674/Centricity/Domain/3/Seaford_Policy_R16.pdf	2008
Parents' Bill of Rights for Data Privacy and Security	(No Response)	http://www.seaford.k12.ny.us/Page/177	2014

3. **Does the district have written procedures in place regarding cybersecurity?**

Yes

Instructional Technology Plan - 2015Survey Feedback

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K. Survey Feedback

Thank you for submitting your district's instructional technology plan (ITP) survey via the online collection tool. We appreciate the time and effort you have spent completing the ITP survey. Please answer the following questions to assist us in making ongoing improvements to the online survey tool.

1. Was the survey clear and easy to use

Yes

2. Was the guidance document helpful?

Yes

3. What question(s) would you like to add to the survey? Why?

(No Response)

4. What question(s) would you omit from the survey? Why?

(No Response)

5. Other comments.

Because of the rapid change in the world of technology an answer to question I 1, is not that simple.

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Appendices

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Appendices

1. **Upload additional documentation to support your submission**

(No Response)