

Instructional Technology Plan - Annually - 2015

LEA Information

A. LEA Information

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

203

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

	Enrollment
Grades K-2	52
Grades 3-5	42
Grades 6-8	40
Grades 9-12	69

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]

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Instructional Technology Vision and Goals

B. Instructional Technology Vision and Goals

1. Please provide the district mission statement.

Through the cooperative efforts of the staff, students and community, Schroon Lake Central School is dedicated to providing the opportunity and freedom to learn and achieve to each student's potential. While considering individual needs, all students will achieve mastery of basic skills. Schroon Lake students will become productive members of society through a school environment, safe from harm, where all aspects of positive growth and mutual respect become synthesized under the highest expectations.

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

We have many visions for our technology plan. We recently purchased Chromebooks for our students in grades 7-12. Teachers and other staff members requested training on the basics of Google applications. That is our piece to professional development. Next we would like to develop a STEM program, such as, robotics and the use of ZSpace. ZSpace would also create a new way of learning anatomy and physiology in a positive way. Another piece is expanding our one-to-one chromebooks to our elementary classes. Our final vision is distance learning. This is where we will have an option to choose classes outside our district.

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.

We have had many meetings on this topic. Many suggestions and ideas have been brought up, but the three ideas above are the best ideas we came up with. We decided our science and elementary parts of the school could use the technology money and create more entertaining projects with the new technology, get more kids involved. Our meetings consisted of the tech director, district treasurer, superintendent, both science teachers, our middle school history teacher, 3rd grade teacher, technology teacher and speech therapist. The most recent meetings were on August 4th, 2015 and June 18, 2015.

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
- 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.

1. Using Google Chrome books comfortably. There are older teachers who have trouble learning new technology.
2. STEM. State mandates require a certain level of "teaching to the test". There is not a lot of free time available to implement real life STEM experiences.
3. We need hardware to make distance learning possible. We need help interfacing with other schools who offer distance learning.

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Instructional Technology & Infrastructure Inventory

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)	30	45
Internal Network Bandwidth: Connections BETWEEN school buildings (LAN)	60	90
Bandwidth: Connections WITHIN school buildings (LAN)	60	90

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

90mbps

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

NERIC

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	<input type="checkbox"/> Available <input type="checkbox"/> In Use
802.11b	<input type="checkbox"/> Available <input type="checkbox"/> In Use
802.11g	<input type="checkbox"/> Available <input type="checkbox"/> In Use
802.11n	<input checked="" type="checkbox"/> Available <input checked="" type="checkbox"/> In Use
802.11ac	<input type="checkbox"/> Available <input type="checkbox"/> In Use
802.11ad	<input type="checkbox"/> Available <input type="checkbox"/> In Use
802.11af	<input type="checkbox"/> Available <input type="checkbox"/> In Use

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

Yes

5a. What percentage of your district's instructional space has wireless coverage?

100

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?

10/100/1000

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

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Instructional Technology & Infrastructure Inventory

	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)	125	125
Laptops/Virtual Machine (VM)	44	44
Chromebooks	107	107
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	0	0
Tablets nine (9) inches or greater without access to an external keyboard	5	5
Totals:	281	281

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)?

5

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.

Anything purchased as an overall helps the students with disabilities. For example, students with disabilities will have increased access to word processors as a result of the purchases of Google chrome books.

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	32
Flat Panel Displays	0
Interactive Projectors	0
Interactive Whiteboards	25
Multi-function Printers	4
Projectors	28
Scanners	0
Other Peripherals	0
Totals:	89

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)?

Yes

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Instructional Technology & Infrastructure Inventory

14a. On an average school day, approximately how many student devices access the district's network?

0

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

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	No
Windows 7.0	Yes
Windows 8.0 or greater	Yes
Apple iOS 7 or greater	No
Chrome OS	Yes
Android	No
Other	No

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

N/A

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."

N/A

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

We are currently planning on using Moodle for teaching an online course in the school.

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

Google Apps (Drive, Gmail, etc)
 Microsoft Office
 Smart Notebook
 Keynote
 Pages

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

N/A

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Software and IT Support

8. Does the district have a Parent Portal?

Yes

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

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

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

N/A

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
Assist Tech Coordinator	1.00
Technology Assistant	0.50
Website Manager	0.10
	2.60

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Curriculum and Instruction

E. Curriculum and Instruction

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

The district's plan is to give all students from seventh grade to the senior class their own Chromebook. They will bring their Chromebooks with them to every class allowing them to take notes and do their classwork/projects on them. Digital connectivity will be used for distance learning when appropriate.

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

2a. If "Yes", please specify.

Students with disabilities will have greater access to assistive technology such as word processors.

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?

No

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Professional Development

F. Professional Development

- 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.**

We plan to have our staff be more familiarized with Google Chromebooks and Google Applications. Our middle and high school students will be one-to-one with Chromebooks this year. All staff will be involved with this professional development training. We will be having it in the school where everyone will have their Chromebook and be able to go along with the presentation. The presenter is someone who NERIC has contact with and suited for the job.

There is a new math program that elementary will be using. They have scheduled meetings with Pearson to come and show them how to use the software. Only elementary will attend.

- 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
Technology Director	1.00
	1.00

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Technology Investment Plan

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	Desktops	30,000	One Time	SMART Budget
2	Interactive Whiteboards	40,000	One Time	SMART Budget
3	Professional Development	5,000	Annual	Schroon Lake tech budget
4	Laptops	10,000	One Time	SMART
5	Tablets	10,000	One Time	SMART
Totals:		95,000		

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

Distance Learning, ZSpace product, 3d Printers, STEM

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Status of Technology Initiatives and Community Involvement

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.

Our plan is to have a Google based atmosphere for the students. We push for students and faculty to take advantage of the Google Applications given to use. Using Google over any other word processing software and email is a prize all in itself, plus the ability to use the application Classroom. Having ChromeStations in labs, Chromebooks for every student and iMacs for teachers (due to the need of other software other than Google), I feel it will help increase learning. Students find non interactive classes a drag, therefore they do not pay attention in class. Having 1:1 Chromebooks students will allow the students to interact with the smartboard and keep them on track during class. If a student has their own device such as a laptop, chromebook or tablet, we also allow students to bring their own devices. This will be in effect this upcoming year. Allowing all this will give students access to technology for the entire school day. Students will be able to access all of their school work while they are at home. We also plan to have distance learning available.

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

- School
- Home
- Community
- None

3a. Please identify categories of available Wi-Fi locations within the community.

The public library/town hall has free internet access. Many parents/students have internet access in their homes.

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Instructional Technology Plan Implementation

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.

First day of school:**Staff Development Day Activities:**

MS/HS and elementary teachers will receive training separately

Elementary will receive the following training:

1. Review of why we are moving to chrome books
2. Question and answer period
3. Information on google applications
4. Powerschool grade book for grades 3-6

MS/HS will receive the following training:

1. Review of why we are moving to chrome books
2. Question and answer period
3. Information on google docs
4. Information on google calendars
5. Discipline referrals using Powerschool
6. Future Staff Development Related to Technology

Late October:

1. Google Classroom Apps (refresh)
2. More fun with Powerschool

Information for students and parents:

1. The acceptable use policy will be updated to list expectations for student use of chrome books. Parents and students must sign and return this form in order to get computer access.
2. A script will be written for homeroom teachers to use on the first day of school to explain the procedure for students to get their chrome books in the morning, care for them during the day, and return them to the correct place at the end of the day. It is important that all homeroom teachers provide this consistent message to students.
3. Efforts will be made to get a representative from the New York State Police to provide information about proper and safe use of the internet and social media. This will be done at a school assembly as early in the year as possible. Other topics may be discussed at this meeting.
4. A user friendly brochure will be created outlining the need for google chrome books and the proper use of these books.
5. A letter will be sent home to parents outlining the plan for google chrome books. The brochure will go home to parents at this time.
6. Parents and students will be encouraged to come to open house on September 23. Students will be encouraged to get their chrome books at this event and to bring them around when they visit classrooms. Students and teachers should provide opportunities for the parents to use the chrome books so they can get a feel for what the students and teachers do with them.

Once professional development is finished:

1. Either start Distance Learning or
2. Purchase lab materials for STEM (3D printing, ZSpaces) or
3. Expand Chromebooks to lower grades

We hope to get these ideas going once we approve one or more of the ideas. STEM and Chromebooks could be done together.

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Monitoring and Evaluation

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.

Chrome books at the grade 5-6 level will make it easier for the school to implement the new elementary math program. In order to monitor the progress of the students in mathematics, teachers in grades 5 and 6 will implement data driven instruction as mandated by the state of NY. Interim exams will be administered on or around November 13, 2015, January 29, 2016, and April 8, 2016. Teachers will do data analysis to identify areas of student weakness. They will put plans in place, including altered use of the google chrome books, to address areas of student weakness. The STEM initiative will involve the implementation of tools that will bring the real world of science, math, and technology into the classroom. Throughout the year, we will survey math, science, and technology teachers on the extent to which they have used the tools in the classroom. Student work associated with the STEM tools will be evaluated to determine whether or not the tools are allowing our students to experience real world issues in the classroom. This will be an ongoing process throughout the year. Distance learning will allow our students to take courses not typically offered at Schroon Lake Central School. The success of distance learning will be evaluated by monitoring how many students take distance courses and how many of these students experience success in these classes. Evaluations will take place at the end of each course.

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)	Attached	2014
Internet Safety/Cyberbullying	09/15/2015	Attached	2014
Parents' Bill of Rights for Data Privacy and Security	(No Response)	Attached	2014

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

Yes

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Survey Feedback

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.**

(No Response)

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Appendices

Appendices

1. Upload additional documentation to support your submission

3306_001.pdf

Code of Conduct 2014-15 (1).pdf