

A. LEA Information

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

889

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

	Enrollment
Grades K-2	205
Grades 3-5	195
Grades 6-8	217
Grades 9-12	272

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

Robert Horan

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

Superintendent

4a. **If the response to question four was "Other", please provide the title.**

(No Response)

B. Instructional Technology Vision and Goals

1. Please provide the district mission statement.

IT IS THE MISSION OF THE SCHODACK CENTRAL SCHOOLS to develop our students to become "...active, reflective, creative learners. In our schools, they will engage in rewarding work and practice behaviors that are intelligent in both an academic and a practical sense. Students will develop the attitudes, skills and understandings that will allow them to fulfill their potential and to function successfully in their individual and social roles."

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

The Schodack Central School District Technology Committee envisions a program which will foster a culture within the school and community that values and supports the ever-changing nature of the technological competencies as an integral educational and lifelong skill. We will implement technology that will support all learners in reaching their highest potential. We will select and employ technology that promotes collaboration, research, critical thinking, creativity, decision making, problem solving, reflection, and citizenship for all stakeholders.

Goals:

Selecting and implementing appropriate technology that allows for student, faculty, and community collaboration, critical thinking, creation, and reflection based on current best practices.

Providing reliable access to technology and devices in order to support teaching and learning at all levels.

Ensuring equitable distribution of district funds for state of the art technology, infrastructure and upkeep at all grade-levels.

Providing students, faculty, and community quality instruction in the use and evaluation of technology.

Ensuring all students, despite diverse learning needs, will have access to curriculum at the same level and complexity as their peers; including enrichment opportunities grade-level peers may participate in.

Supporting the creation of multiple, diverse and versatile digital opportunities for collaboration and communication among student, faculty, administration, and community, expanding beyond classroom, school and district boundaries, and beyond the time constraints of the school day.

Developing productive, self-motivated, adaptive, and responsible leaders and citizens in the digital realm.

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.

The Schodack Technology Committee was formed in the fall of 2014 and began meeting twice a month to rewrite the District's Technology Plan. The committee started by creating a vision for a three year plan, 2015n - 2018. The committee proceeded to develop commitments and other necessities for the plan. The District's Educational Technology Specialist (Tim Ryan) was assigned as the chair of the committee. The group was given the ISTE Standards to use as a base of information and looked at other vision statements and technology plans as a reference. The Schodack Technology Committee was made up of students, faculty, administrators, district technology members, community members, local college/university members and business partners. A complete list of members and their roles is included in the technology plan.

Commitments:

We are committed to acknowledging and supporting the need for technological competencies that cultivates continuity from class to class, grade to grade, and school to school by:

Selecting and implementing appropriate technology that allows for student, faculty, and community collaboration, critical thinking, creation, and reflection based on current best practices.

Providing reliable access to technology and devices in order to support teaching and learning at all levels.

Ensuring equitable distribution of district funds for state of the art technology, infrastructure and upkeep at all grade levels.

Providing students, faculty, and community quality instruction in the use and evaluation of technology.

Ensuring all students, despite diverse learning needs, will have access to curriculum at the same level and complexity as their peers~ including enrichment opportunities grade level peers may participate in.

Supporting the creation of multiple, diverse and versatile digital opportunities for collaboration and communication among student, faculty, administration, and community, expanding beyond classroom, school and district boundaries, and beyond the time constraints of the school day.

Developing productive, self-motivated, adaptive, and responsible leaders and citizens in the digital realm.

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

Cabling (Checked)
Connectivity (Checked)
Device Gap (Checked)
Network (Checked)
Staffing (Checked)

4a. Please specify if "Other" was selected in question four.

(No Response)

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.

An aged infrastructure is the main reason for gaps in our technology plan moving forward. the following are the top three challenges the district faces:

1. Funding - infrastructure, hardware, sustainability and replacement.

2. Staffing - increased IT support for infrastructure and end user devices. If infrastructure and technology was reliable, staffing would not have to be addressed and used to support end user.

3. Professional Development - on-going training to support current and future use of technology.

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)	300 Mb	300Mb
Internal Network Bandwidth: Connections BETWEEN school buildings (LAN)	100Mb	1Gb
Bandwidth: Connections WITHIN school buildings (LAN)	100Mb	1Gb

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

300 Mb

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

NERIC - Connects to Time Warner

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 (Checked) In Use (Checked)
802.11b	Available (Checked) In Use (Checked)
802.11g	Available (Checked) In Use (Checked)
802.11n	Available (Checked) In Use (Checked)
802.11ac	(No Response)
802.11ad	(No Response)
802.11af	(No Response)

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?**

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)	169	169
Laptops/Virtual Machine (VM)	156	156
Chromebooks	93	93
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	20	20
Tablets nine (9) inches or greater without access to an external keyboard	158	158
Totals:	596.0	596.0

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)?**

9

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.**

Ensure internet connectivity throughout the rural community with devices that are portable and available to be used offsite similar to how a library book is signed out for student use. Expand specialized training / orkshops for faculty, staff, administration, parents and the general community on how asstive technologies enhance a students learning. Allow community access to available internet connectivity to help enhance their understanding of technology use in the classroom.

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	5
Flat Panel Displays	465
Interactive Projectors	0
Interactive Whiteboards	4
Multi-function Printers	3
Projectors	22
Scanners	2
Other Peripherals	68
Totals:	569.0

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

60 TInspire calculators
 5 labquest probes
 3 video conferencing devices

SCHODACK CSD

Instructional Technology Plan - Annually - 2015

Instructional Technology & Infrastructure Inventory

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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

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

350

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?

Not Applicable

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

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

Linux

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	No
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.

None used

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

Microsoft Office
 Google Chrome
 Google Classroom
 SmartBoard
 Impero

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

Ebsco
 ProQuest
 Student Resources
 Noodle Tools
 Passport

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 (Checked)
 Homework (Checked)
 Student Schedules (Checked)
 Grade Reporting (Checked)
 Transcripts (Checked)

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

NA

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

Emergency Broadcast System (Checked)
 Website (Checked)
 Facebook (Checked)
 Twitter (Checked)
 Other (Checked)

9a. Please specify if the response to question nine was "Other".

e-News

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
Network System Engineer	1.00
Network Administrator	1.00
	2.0

E. Curriculum and Instruction

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

Technology is no longer a stand alone tool in a school district or in the classroom. Technology has become an integral part of the classroom experience, much the way a pen or pencil have been in the past. In order for us to be successful in the mission of improving teaching and learning in the classroom, we must be successful in developing a culture that expects digital connectivity and technology in our schools. Through the Schodack Central School District's Technology Committee, the district will analyze the needs of the students, teachers, administrators and community. The district will outline the needs of the stakeholders. Through this analysis, the district will design and implement a professional development plan that is comprehensive in it's approach to develop opportunities that will achieve improvement in teaching and learning. The Professional Development Planning Committee will be active in researching best practices of instruction in the classroom at all levels, Kindergarten through the 12th grade. Both the Technology Committee and the Professional Development Planning Committee will use the ISTE Standards as well as NETS Performance Indicators as a guide to design expectations at each grade level. Our measure of success will be reflected on a number of factors, some of which include NYS Testing Results, success in CTE programs and High School graduation.

X

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.

The Universal Design for Learning model was used in addressing this aspect of our technology plan. When we approach our curriculum, we will provide a collaborative experience for both our general education and special education teacher so that we address the needs of our students on all levels. In looking at how technology can help provide fair access to curriculum we will continually look at the different needs of our many learners. In looking at the different assessments that we have chosen we have had to look at the levels of our special education students to be sure that they are able to have the same access to the materials as their general education peers. Being a small school district with limited funds and a smaller population of special education students, the district will also look to utilize services and technology that are provided through our local BOCES.

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

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

The Schodack Central School Districts Instructional Technology Plan addresses assisted technology for all students in their curriculum by: facilitating the use of classroom materials so that all students (both identified and non-identified) can better access curriculum. offer alternate ways to participate in activities for all students, to move throughout the environment and to access and communicate information from multiple locations. provide the means to modify classroom tasks for students with varying abilities. increase learning opportunities and make it possible for all students to demonstrate knowledge and skills” (UB Assistive Technology Tutorial Online)
To provide for all students who have the capability, motivation, or potential to accept the challenge of Honors, AP, and advanced-level courses the opportunity to do so.

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.**

Teachers, Support Staff, and Administration continuously improve their professional practice, model lifelong learning, and exhibit leadership in their school and professional community by promoting and demonstrating the effective use of digital tools and resources. Teachers, Support Staff and Administration will:

Participate in local and global learning communities to explore creative applications of technology to improve student learning. This will be accomplished through technology webinars, blended on-line learning communities both within the district and collaboratively with other school districts, and through hands on presentations from outside educational trainers during PD days as well as supported in-service opportunities. Exhibit leadership by demonstrating a vision of technology infusion, participating in shared decision making and community building, and developing the leadership and technology skills of others. District employees who have excelled in the use of technology will be tapped to share with others within the district on “Tech Slam Days” supported by the District. Time will be made available during scheduled PD conference days, after school, and evening events for parents and interested community members.

Evaluate and reflect on current research and professional practice to make effective use of existing and emerging digital tools and resources in support of student learning. The Professional Development Committee will generate surveys and provide feedback to administration and the Board of Education so that during the budget process, accurate and accountable PD can be financially supported.

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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
District Network Engineer	1.00
Network Administrator	1.00
Education Tech Specialist	1.00
	3.0

SCHODACK CSD

Instructional Technology Plan - Annually - 2015

Technology 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	Network Cabling	140,000	One Time	Smart Bond
2	Servers	100,000	One Time	General Fund, Smart Bond
3	Professional Development	20,000	Annual	General Fund
4	Laptops	175,000	One Time	Smart Bond, General Fund
5	Staffing	45,000	Annual	General Fund
Totals:		480000.0		

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

(No Response)

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 (Checked)
Changes in Staffing (Checked)
Changes in Funding (Checked)
Computer-based Testing (Checked)
Developments in Technology (Checked)

- 1a. **Please specify if response to question one was other.**

(No Response)

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.**

Wireless upgrades in all three buildings will allow 24/7 access to the Internet regardless of where one is in the building. This will allow instant computer access to information and programs without the need of a stand alone computer lab.

Laptops will be available for students to sign out for school related work over night or weekends just as one would sign out a library book.

Faculty assigned laptops over desktops that will allow them the ability to take their device to off site educational events as well as home and have access to related information to work from remote locations. ChromeBooks with Verizon data cards for students lacking Internet at home will be available to allow students the ability to connect to the Internet in remote location in the district where services are not provided. Community can access Internet from within the schools using the Guest Network which will enhance learning and support of the educational environment.

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

School (Checked)
Home (Checked)
Community (Checked)

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

The district has minimal community buildings, governmental entities are located outside its borders. A public library(1) is located within its boundaries and does offer Wi-Fi

. Castleton Elementary and Maple Hill Middle School and High School all have Wi-Fi connections available for guest use.

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.**

Still working on with CB and District

J. Monitoring and Evaluation

- 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.**

September 2015 and February 2016 - The District will survey all faculty and staff to assess for technology needs. (OpenRoom & Administration)
 Starting August 2015 and ongoing -Monitor network performance for optimal performance. (CPI & Internal Staffing)
 Starting September 2015 and ongoing-Monitor hardware to reduce failure rates and improve reliability (CPI and Internal Staffing)
 Year End-review of previous years
 technology
 and plan changes for following year, review student test data for any need for improvement. (OpenRoom & Administration)
 September 2015 -survey users for potential professional development interest and needs. (OpenBook, Administration & Educational Technology Specialist)

- 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)	March 18	2010
Internet Safety/Cyberbullying	(No Response)	June 18	2015
Parents' Bill of Rights for Data Privacy and Security	(No Response)	February 12	2015

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

Yes

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

1a. If response was "No", please explain.

(No Response)

2. Was the guidance document helpful?

Yes

2a. If "No", please explain.

(No Response)

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)

Appendices

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

(No Response)