

A. LEA Information

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

418

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

	Enrollment
Grades K-2	84
Grades 3-5	83
Grades 6-8	88
Grades 9-12	147

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

Tracy Davison

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.

ECS Philosophy:

The philosophy of ECS is "Opportunity for Lifetime Learning." Our philosophy will place a premium on learning how to learn so that the students will be able to teach themselves, their families and the community. We will develop positive attitudes for acquiring knowledge and truth. We will offer successful experiences so that students will discover that worthwhile accomplishments are satisfying and rewarding.

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

The long-range goal for the Edmeston Central School District Technology Plan is to improve student achievement through the progressive improvement of technology infrastructure and the integrating of technology applications into the curriculum. This goal presents two challenges for a small rural school such as Edmeston because of the uncertainties associated with education funding over the next few years. The first challenge is the difficulty of budgeting sufficient monies to upgrade hardware, while the second is allocating sufficient monies to provide professional development that will lead to students and staff being proficient in the use of technology for learning.

Edmeston Central School's instructional technology plan is basically to stay up to date with the changing computer technology, updating our already existing projectors and SMARTBOARDS. Software changes include switching from Microsoft Office 2007 to Office 365, which will offer our students email access. We also want to update our network server. A major priority is to improve our overall wireless connectivity. Continuation of professional development will also be provided.

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 technology committee at Edmeston includes the superintendent, principal, faculty/staff, board members and community members. Throughout the school year this committee meets to discuss what our school district technology needs are. We then look to prioritize our needs.

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 (Checked)
- Connectivity (Checked)
- Network (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.

Wireless access is the MAJOR issue in our district.

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)	10 Mb	1 Gb
Internal Network Bandwidth: Connections BETWEEN school buildings (LAN)	10 Mb	100 Mb
Bandwidth: Connections WITHIN school buildings (LAN)	10 Mb	100 Mb

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

1 Gb

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

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 (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?**

90

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?**

100 Mb

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)	149	149
Laptops/Virtual Machine (VM)	125	125
Chromebooks	1	1
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	71	71
Tablets nine (9) inches or greater without access to an external keyboard	4	4
Totals:	350.00	350.00

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)?**

7

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.**

In the special education classrooms, students have access to computers, iPads, and Kindles.

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	10
Flat Panel Displays	0
Interactive Projectors	0
Interactive Whiteboards	5
Multi-function Printers	8
Projectors	10
Scanners	11
Other Peripherals	0
Totals:	44.00

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

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

(No Response)

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

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	Yes
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	Yes
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.

Buzz and Moodle

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

eSchool, ClearTrack, Star Assessment-Renaissance Learning, enVision Math, and Reading Streets

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

Grolier Online, World Book, ONC BOCES SEEK, SNAP Smart Search, and Amazing Animals or the World (Scholastic)

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)

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

We do not offer anything else.

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

- Learning Management System (Checked)
- Emergency Broadcast System (Checked)
- Website (Checked)

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

(No Response)

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
ECS Computer Coordinator	0.50
Priority One	0.50
	1.00

E. Curriculum and Instruction

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

The changes in our world have introduced an urgent need to teach students skills that transcend across all curricular areas. The 21st century classroom will ensure that technology is an integral and ubiquitous part of a flexible and relevant environment. Students will be challenged to use technology and information resources responsibly and to think critically and creatively to solve problems effectively and efficiently.

Technology in education is a teaching and learning tool, that when used effectively, will support and help transform how we interact, produce and seek personal growth and enjoyment. We expect effective, competent, and purposeful use of technology by administrators, teachers, and students to establish seamless integration of technology on a daily basis throughout the curriculum and extracurricular activities.

Our district plans to:

1. Increase engagement and learning with the use of technology.
2. Technology supports differentiation of learning.
3. Active participation and contributions to the learning process increase with the use of technology.
4. Project and inquiry based learning experiences are enhanced with the use of technology.
5. Technology skills are best learned in context through project and inquiry based learning.
6. Technology supports broader collaboration opportunities both locally and globally.
7. 21st century communication requires fluency in the use of technology.

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.

Yes, students with disabilities have the same access as their non-disabled peers; as well as assistive technology per IEP's.

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.

In the special education classrooms, students have access to computers, Kindles, and iPads, per their IEP.

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.**

Edmeston Central School provides focused, systemic professional learning opportunities to support ongoing growth of all staff and increased student achievement. The district will employ data driven professional development opportunities to improve student achievement. The district is also working with BOCES staff developer to identify focus areas to guide specific professional development.

Topic: envision Math

Audience: Pk-6 teachers and RTI staff

Method of delivery: Pearson representatives will provide conference day training at ECS.

Topic: BUZZ (formerlyBrainHoneyy)

Audience: HS ELA, Chemistry, Biology and Technology teachers

Method of delivery: 3 day off site training

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
Principal	1.00
Director of Sp. Ed.	0.50
ONC BOCES Staff Developer	0.10
	1.00

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	Servers	55,000	One Time	Smart Schools Bond Act
2	Other	150,000	One Time	Smart Schools Bond Act
3	Wi-Fi	54,145	One Time	Smart Schools Bond Act
4	Desktops	18,000	Annual	General Fund
5	Laptops	12,000	Annual	REAP/General Fund
Totals:		289,145.00		

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

Core Infrastructure/Switches

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 Funding (Checked)
Technology Plan Implementation (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.**

Our district plans to increase student and teacher access to technology by increasing our core infrastructure. We plan to accomplish this by upgrading our servers and Wi-Fi access throughout our school building. Once we improve the district's wireless issues, we will then explore policies for our students to "bring their own devices" to school to assist with college and career readiness preparation.

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

Home (Checked)

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

(No Response)

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.**

2015-2016 Goal

- Order new equipment and software:
 - 17 new laptops for teachers
 - 14 new desktops for our library
 - 28 new desktops for our elementary computer lab
 - 10 new laptops for our mobile cart
 - Office 365
- Install equipment and software
- Professional development for staff on new equipment and software installed.
- Feedback and evaluation from the staff

2016-2017 Goal:

- Order new equipment:
 - 12 new desktops for our library
 - 7 new desktops for our business lab
 - 10 new laptops for teachers
- Upgrade our server
- Install equipment
- Professional development for staff on new equipment and software installed.
- Feedback and evaluation from the staff

2017-2018 Goal:

- Order new equipment:
 - 12 new desktops for our library
 - 10 new laptops for teachers
- Install equipment
- Professional development for staff on new equipment and software installed.
- Feedback and evaluation from the staff

Goals to be meant over 2016-2018 school years:

- Core Infrastructure for the Internal Computer Network
- Security Firewall Failover
- New Servers
- SmartBoards Replacements
- Wireless access to our industrial Arts building
- Improve wireless through our main building by adding more wireless access points

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.**

The following strategies and data will be used to evaluate our progress and effectiveness:
-Teacher surveys – at least twice during the school year (for example January and June) we will survey the teaching and support staff on our implementation of our technology plan. Data collected will then be used to adjust our technology needs and plan.
-Student surveys – at least twice during the school year (for example January and June) we will survey our middle and high school students.

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)	NA	2000
Internet Safety/Cyberbullying	10/15/2015	NA	2015
Parents' Bill of Rights for Data Privacy and Security	(No Response)	NA	2014

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

No

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?

None at this time.

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

All questioned seemed appropriate.

5. Other comments.

(No Response)

Appendices

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

(No Response)