

A. LEA Information

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

557

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

	Enrollment
Grades K-2	116
Grades 3-5	125
Grades 6-8	135
Grades 9-12	181

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

Mark J Ward

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.

Ellicottville Central School will guarantee that all students will achieve their highest level of competence through a success-oriented education that will ensure quality graduates.

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

Technology Vision

The learning community at ECS will be technologically aware and literate life-long learners who are challenged to reach beyond the current technologies to achieve personal, educational and workplace goals.

Technology Mission and Goals

The technology mission of Ellicottville Central School is to provide this education with the aid of technology that will accomplish the following goals:

Goal #1 – ECS will have staff and students that are technologically literate.

- Enhance the development of the whole child through a dynamic technologically integrated curriculum that encourages exploration and life-long learning.
- Utilize technology in an active, student-centered learning environment to enhance problem solving, critical thinking and collaboration skills.
- Enhance present teaching styles and creative management through ongoing staff development.

Goal #2 –

- Promote the utilization of technology for communication and information retrieval.

Goal #3 -

- Provide up-to-date network infrastructure and equipment to meet the needs of all stakeholders in the District.

Goal #4 –

- Prepare students for today’s workplace and the workplace of the future. We have a large population of students that are not served with high speed internet at their homes, therefore many students rely on school for their internet usage.

Goal #5 -

- Maintain and update technology use guidelines and procedures to address emerging technologies and changes in District policy.

Goal #6 –

- Maintain a server room with current equipment to meet the curricular and administrative needs of the 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.**

ELLCOTTVILLE CSD

Instructional Technology Plan - Annually - 2015

Instructional Technology Vision and Goals

Status Date: 03/30/2015 10:28 AM

Stakeholders

Mark Ward, Superintendent
 Bob Miller, MS/HS Principal
 Connie Poulin, Elementary Principal
 Bill Murphy, School Board Member/Parent
 Roger Spell, School Board Member/Parent
 Shawne Hunt, District Technology Facilitator
 Alice Alessi, Speech Therapist
 Ann Chamberlain, Mathematics
 April Donoghue, 3rd Grade
 Chris Edwards, Technology
 Helena Brierton, Science
 Pam Illig, Library Media Specialist
 Bill Bacon, Community Member
 John Pfeffer, Parent
 Eli DeChane, Student
 Kaleigh Hunt, Student
 Wil Timkey, Student

Date	Purpose	Participants	Outcome
24-Feb-15	Gather input from students on technology needs for district	Chris Edwards, Shawne Hunt, Connie Poulin, April Donoghue, Roger Spell, Bill Murphy, Jack Haley, Wil Timkey, Eli DeChane, Kaleigh Hunt, Ann Chamberlain, John Pfeffer, Helena Brierton, Alice Alessi	Provided District leadership with clear picture of student perception of District Technology Needs. Decided Interactive Boards would be a huge asset to the District.
3/24/2015	Gather input from parents, students on technology needs for district	Chris Edwards, Shawne Hunt, Connie Poulin, April Donoghue, Roger Spell, Bill Murphy, Jack Haley, Wil Timkey, Eli DeChane, Kaleigh Hunt, Ann Chamberlain, John Pfeffer, Helena Brierton, Alice Alessi	Provided District leadership with clear picture of community perception of District Technology Needs. Decided that Security should be a priority since no current system in place.
23-Jun-15	Gather input from community, parents, students on technology needs for district	Chris Edwards, Shawne Hunt, Bob Miller, Connie Poulin, April Donoghue, Alice Alessi, Eli DeChane, Kaleigh Hunt, Bill Bacon, John Pfeffer, Roger Spell, Bill Murphy	Provided District leadership with clear picture of perception of District Technology Needs - had a demonstration of interactive whiteboards that we are considering purchasing and discussed security needs as

well as communication needs. Decided an upgrade to phone system is needed.

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

No Gap Present (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.

NA

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)	1gb	1gb
Internal Network Bandwidth: Connections BETWEEN school buildings (LAN)	1gb	1gb
Bandwidth: Connections WITHIN school buildings (LAN)	2gb	20gb

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

1gb

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

WNYRIC/ERIE 1 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	(No Response)
802.11g	Available (Checked)
802.11n	Available (Checked)
802.11ac	Available (Checked)
802.11ad	Available (Checked)
802.11af	Available (Checked)

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?**

1GB

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)	69	69
Laptops/Virtual Machine (VM)	208	208
Chromebooks	0	0
Tablets less than nine (9) inches with access to an external keyboard	100	100
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	70	70
Tablets nine (9) inches or greater without access to an external keyboard	0	0
Totals:	447.00	447.00

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)?

20

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 resources that would enhance the district's ability to provide improved access to technologies, including assistive technologies for students with disabilities would be the addition of new interactive white boards for all classrooms and special ed rooms. These boards would enhance differentiated instruction and expand student learning beyond the classroom by providing virtual fieldtrips. By providing a board to each classroom we will ensure equal access to an improved educational service and learning opportunity for students with disabilities and they should also contribute to the reduction of other learning gaps experienced within our district. These boards would also be consistent with our districts' short and long-term educational goals.

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	2
Interactive Projectors	1
Interactive Whiteboards	4
Multi-function Printers	5
Projectors	30
Scanners	2
Other Peripherals	0
Totals:	54.00

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

(No Response)

ELLCOTTVILLE CSD

Instructional Technology Plan - Annually - 2015

Instructional Technology & Infrastructure Inventory

Status Date: 03/30/2015 10:28 AM

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?

200

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	Yes
Mac OS 10 or later	Yes
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	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.

My Big Campus

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

microsoft office, smart notebook, iReady, Follette, Study Island

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

CQ Researcher, SIRS, ABC-CLIO History, ABC-CLIO Government, Understanding Society & Controversy

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)
- Student Schedules (Checked)
- Grade Reporting (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?

- 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
Technology Coordinator	1.00
Erie 1 BOCES Technician	0.20
	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 New York State Learning Standards will provide the basis for courses offered which will include technology requirements for graduation. The integration and use of technology as an instructional tool and resource will continue to be encouraged in all academic areas.

The technological tools found in schools must be used to promote the varied types of learning as well as learning styles and abilities. Software selected for instructional purposes must take into consideration curriculum goals, teaching styles at the various levels, and learning styles and abilities. Providing the administrators, teachers, staff, and students with the best tools available will enable them to perform their respective tasks more effectively and productively. In addition to the rich academic preparation the students will receive in each subject area, they will also become more aware of the technology tools available to support information access, analysis, synthesis, management, and communication.

The school district will use technology such as the Internet, on-line courses and interactive whiteboards (distance learning device) to improve student learning outcomes by delivering learning "resources" unavailable otherwise. Technology will be integrated into curriculum and learning activities aimed at improved student learning and attainment of the New York State content and performance standards.

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 variety and scope of available technology for instruction continues to grow rapidly, making its way into mainstream instructional practice. The technological tools found in our school will be used to promote the varied types of learning as well as learning styles and abilities. Software selected for instructional purposes must take into consideration curriculum goals, teaching styles at the various levels, and learning styles and abilities.

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 variety and scope of available software for instruction continues to grow rapidly. Our district provides iPads specifically to students with disabilities served in our District. These technological tools are used to promote the varied types of learning as well as learning styles and abilities. Software selected for instructional purposes must take into consideration curriculum goals, teaching styles at the various levels, and learning styles and abilities.

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.**

The Ellicottville Central School, through its Professional Performance Review Plan, will strive to assist all professional personnel (professional personnel /nurse /assistants) in acquiring the knowledge and skills needed to help each student pursue their full potential as life-long learners and respectful citizens. The following premises are used in the Professional Performance Review of all professional personnel:

1. Effective teaching and successful learning occur when professional personnel are skilled in employing a variety of strategies, management techniques and assessments and share the information with students and other professionals.
2. Conduct is an ongoing dedication to the education process within the classroom and in support of the learning environment.
3. Demonstrates professional growth in a variety of ways.
4. Promotes and exhibits care for the facilities and the place our school has in the community.
5. Reflect on their performance to improve student achievement.

The Ellicottville Central School District and the Ellicottville Teacher’s Association recognize that we are engaged in a common enterprise and that we have a shared commitment both to improving the quality of teaching and learning and to the educational success of each student. Teacher training and professional development in technology play a key role in its ultimate acceptance and use in the classroom. Research indicates technology planning must address comprehensive and continuous professional development to ensure success. Multiple levels of training and staff development must be offered to teachers and administrators so they feel empowered to use technology to facilitate their own productivity.

The availability of diverse professional development opportunities is important to address the needs of all staff within the district; however, this spectrum of diversity should be orchestrated to move all staff toward common goals. Technology-related professional development requires curriculum integration skills, as well as operational and technical skills. Professional development programs prepare the teaching staff to effectively deliver integration of content objectives, process skills, and technology competencies appropriate to the grade level, subject area, and/or course in which students are engaged. Successful integration will require more specific definition of those elements to be integrated. Curriculum in some areas will need upgrading to identify the basic information, performance standards, and technology linkages that education reform priorities dictate as essential outcomes for students.

Goals for Staff usage of telecommunications and information technology to improve student academic achievement include:

- To become familiar with multimedia presentation software and interactive whiteboards as a priority teaching/learning technique.
- Develop K-12 aligned & articulated curriculum in all content areas using EngageNY.
- Improve external communication.
- Improve internal communication.
- Having a technology integrated curriculum.
- Stay up to date on the latest technology.

School district staff members now participate in a variety of professional development programs sponsored by the BOCES and/or the district. In addition to improved and expanded professional development provided directly from the BOCES, services are provided linking other professional development resources such as colleges and universities, nonprofit agencies, government agencies and businesses including:

- *Alfred State *Alfred University *Buffalo State *SUNY at Buffalo
- *ECC *GCC *Houghton College *JCC
- *Erie #1 BOCES*Erie #2 Chautauqua BOCES *Southern Tier West
- *NYS VESID *Apple Computer

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
Technology Coordinator	1.00
Rick Weinberg, CA BOCES	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	Laptops	25,981	Annual	BOCES budget
2	Interactive Whiteboards	175,000	One Time	SmartBond Act
3	Other	100,000	One Time	SmartBond Act
4	Other	60,000	One Time	SmartBond Act
5	Office/Productivity Software	3,500	Annual	Local budget
Totals:		364,481.00		

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

High Tech Security System for \$100,000. Our campus currently has no system in place.
 Update phone system for \$60,000. To improve communication.

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.**

None (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.**

The District plans on increasing student access to technology by starting a 1:1 initiative with student laptops that will be allowed to be taken home and used throughout the community where WiFi is available. The District is also looking into a handful of WiFi hotspots to provide internet access for students who currently have no access at home to borrow.

- 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.**

Ellicottville Public Library (1)
Local establishments in the Town of Ellicottville (4)

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.**

Action Plan				
Goal 1: Ellicottville Central School District will have students and staff that are technologically literate.				
Actions needed to achieve goal	Staff Development	Person(s) Responsible	Date each action will be completed	Indication of Success
A.) Provide professional development for the integration of new and existing technologies	Needed – will be provided during In-services days / after-school sessions / through Model Schools and CSLO / grade level and department meetings.	Technology Facilitator / Model School staff developers /Administrators	On-going throughout each year of plan (2015 – 2017)	Yearly survey on technology skills/ use indicates fewer instructional staff members that do not possess skills needed to use and integrate new technologies
B.) Provide continued classroom support for integration of current and new technologies	Support from Model Schools / CSLO / Technology Coordinator	Technology Facilitator / Model School staff developers /Administrators	On-going throughout each year of plan (2015 – 2017)	Survey of building administrators indicates increases in integration of technology in curriculum
C.) Provide new technologies for staff and student use	Provide training on use and integration for new technologies	Technology Facilitator / Model School staff developers /Administrators	On-going throughout each year of plan (2015 – 2017)	
1. D.) Provide professional development to instructional staff and administrators on 21st Century Skills	Needed – will be provided during in-service days	Technology Facilitator / Model School staff developers /Administrators	On-going throughout each year of plan (2015 – 2017)	
E.)Provide Professional Development for staff on Web 2.0 technologies	Needed – provided during in-service days	Technology Facilitator / Model School staff developers /Administrators	On-going throughout each year of plan (2015 – 2017)	
F.)Provide staff development for all new staff with a mentor that is familiar with the building technology	Mentors provide assistance on use of building technologies	Director of Curriculum / mentors	On-going throughout each year of plan (2015 -2017)	In a yearly survey new instructional staff indicate they are able to use and integrate technology in their building
G.)Share best practices of technology integration among instructional staff	None	Director of Curriculum / building administrators	On-going throughout each year of plan (2015 -2017)	Each presenter has their best practice on the shared drive accessible to all instructional staff
1. H.)Update instructional staff and student district technology competencies to include the new NET standards	Needed during in-service days	Technology Facilitator / Model School staff developers /Administrators	On-going throughout each year of plan (2015 -2017)	District technology competencies include the new Net standards for students and instructional staff

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 district technology committee has assumed the responsibility for the monitoring and evaluation of the technology plan. Each new technology initiative will be monitored carefully so that district staff can make adjustments to the program necessary to ensure its success. The implementation of the technology plan will be monitored and evaluated using student surveys. If students are not displaying the technology skills indicated by the appropriate grade level, changes will be made in both Professional development of teachers and instructional delivery to students. The surveys themselves will be evaluated and revised as needed.

Purpose: To assess district technology and curriculum goals and identify hardware and software required to meet these goals

September

- 1. Incorporate new items in the inventory and publish to all staff in October (electronic)

October

Technology Planning Committee will meet to:

- 1. Assess District Wide Technology Goals, action plans and Internet use
 - 2. Review usage records for Computer labs & Technology Equipment
 - 3. Review technology curriculum
 - 4. Assess new developments in educational technology and the workplace
1. Assess Administrative (Business, guidance, clerical) Library & Classroom Management needs.
- 6. Review prior multi-year plans
 - 7. Review grant opportunities
 - 8. Assess shared equipment & software usage concerns (Projection units, scanner, digital camera, laserdisc, etc.)

November

Superintendent's Monthly Meeting - Distribute technology requisition/proposal forms due Nov. 30. Technology Planning Committee will meet to:

- 1. Consider operating system upgrades
- 2. Consider replacement/upgrade schedule for hardware
- 3. Assess network infrastructure (consider outside experts)
- 4. Consider electrical needs (consider outside experts)

December

Technology Planning Committee will meet to:

- 1. Review individual requests/proposals
- 2. Tally & summarize hardware & software requests
- 3. Compare requests with existing inventory
- 4. District technology needs

January

Technology Planning Committee will meet to:

- 1. Assess needs and prepare budget proposal
- 2. Prioritize needs
- 3. Prepare a budget proposal (consider single or multi-year)

June

- 1. Update inventory
- 2. Prepare a listing of NEW items to be shared with staff - computer & AV

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

ELLCOTTVILLE CSD

Instructional Technology Plan - Annually - 2015

Monitoring and Evaluation

Status Date: 03/30/2015 10:28 AM

	Date of Public Forum (If applicable)	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	06/24/2014	http://www.ellicottvillecentral.com/site/default.aspx?PageType=14&DomainID=108&PageID=801&ModuleInstanceID=557&ViewID=1e008a8a-8e8a-4ca0-9472-a8f4a723a4a7&IsMoreExpandedView=True	2014
Internet Safety/Cyberbullying	06/24/2014	http://www.ellicottvillecentral.com/site/default.aspx?PageType=14&DomainID=108&PageID=801&ModuleInstanceID=557&ViewID=1e008a8a-8e8a-4ca0-9472-a8f4a723a4a7&IsMoreExpandedView=True	2014
Parents' Bill of Rights for Data Privacy and Security	06/24/2014	NA	2014

3. 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)