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A. LEA Information

1.

2014-2015 Student Enrollment

	Total Enrollment	Pre-K Enrollment	K-2 Enrollment	3-5 Enrollment	6-8 Enrollment	9-12 Enrollment	Ungraded Enrollment
Student Enrollment	1,215	54	250	257	271	368	15

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

Terry English

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

Other

3a. **If the response to question 3 was "Other", please provide the title.**

Middle School Principal

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B. Instructional Technology Vision and Goals

1.   Please provide the district mission statement.

The board of education, collective staff, and community of the Falconer School District are committed to preparing our children to be productive members of society. Through continuous evaluation and improvement, this partnership will provide a quality educational environment for students to meet the graduation standards.

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

The Falconer Central School District will promote technology to foster 21st century skills. Technology will be incorporated across the New York State Common Core Curriculum to support and enhance learning. Students will learn to effectively and responsibly use technology as a tool for problem solving, creativity, communication, and productivity in order to become successful, contributing members of society who are able to meet the changing demands of life and the workplace. Teachers will use technology to facilitate experiences that advance student learning, creativity, and innovation with the goal of preparing students to become responsible digital citizens.

Technology will be used to enhance student achievement.
1.   District will provide opportunities for active student learning through access to a wide variety of technology.
2.   District will provide learning opportunities for students to develop skills needed to access, evaluate, and utilize technologies for a variety of purposes.
3.   District will utilize assistive technology to differentiate instruction for students.
Technology will be integrated throughout instruction to facilitate effective student learning.
1.   District will incorporate technology throughout the curriculum to assist in meeting state and district standards.
2.   District will provide ongoing, valuable staff development for technology.
Technology will be used to promote communication and collaboration.
1.   A variety of technology will be used to enhance communication among students, teachers, administration, parents, and community members.
2.   Various technological tools will provide opportunities to work collaboratively.
District users will advocate and practice safe, legal, and responsible use of information and technology.
District will provide and maintain an infrastructure to support current and future technology needs.
1.   District will provide adequate and up-to-date hardware and software to meet district needs.
2.   District will provide adequate computer technical support to meet district needs.
3.   Enhancements to current wireless technology will provide improved connectivity to district buildings.

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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.**

Date	Purpose	Participants	Outcomes
September 2015	Parents surveyed on their perception of district strengths and needs.	District parents.	Parent perception on district needs provided.
June 2016	District technology review to survey current technology tools and devices and needs for the upcoming school year.	District faculty and staff.	Technology needs, training requirements, and supports identified by staff.

Technology Committee Meetings:
Each building (Temple, Fenner, and Middle-High School) holds separate building-level technology committee meetings to discuss their technology needs/goals. The district-level technology committee brings together each building committee and meets at least twice per year where district goals are reviewed and updated and district technology needs and purchases are discussed.
Developed for the 2015-2016 school year were processes to approve computerized curriculums and/or apps that use web 2.0 applications and internet services and that also require student logins. District administrators, technology leaders, and computer technicians research and review the requests and determine if the programs are secure and educationally sound.
Meetings
September, October, November, January, February, March, April, May, June
District-Level Meetings
December and June
District/Building Level Technology Committees
Elementary Teacher/ Technology Leader
Middle-High School Library Media Specialist/Technology Leader
Elementary Library Media Specialist/Technology Leader
Elementary Computer Lab Aide/Technology Leader
Business/Computer Teacher/Technology Leader
MS/HS Technology Teacher
Guidance Secretary
Middle School Principal/Technology Facilitator
High School Principal
Elementary Reading Teacher/Technology Leader
Occupational Therapist/Assistive Technology Coordinator
Director of Instruction and Staff Development
Elementary Principal
Elementary Principal
Computer Technician
Computer Technician
Computer Technician
Parent member
Superintendent

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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 reasons causing the gap? If you chose "No Gap Present" in question four, please enter N/A.**

   Building capacity in the district's infrastructure to handle the technological demands of programming and connectivity.
   Expanding/upgrading the network and access points in order to manage the increased number of devices connecting to the network.
   Providing the necessary time and staffing to give high quality professional development for all the different technology-based programs and software being used by district students and staff.

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C. Technology and Infrastructure Inventory

1. **Please identify the capacity of the telecommunications line coming into the district network hub. The district's Regional Information Center can provide the district with this information if needed.**

   - ☐ Greater than 10 Gbps
   - ☐ 10 Gbps
   - ☑ 1 Gbps - < 10 Gbps
   - ☐ 100 Mbps - < 1Gbps
   - ☐ 50 Mbps - < 100 Mbps
   - ☐ 10 Mbps - < 50 Mbps
   - ☐ Less than 10 Mbps

2. **What is the total contracted Internet bandwidth access for the district? Choose one.**

   - ☐ Greater than 10 Gbps
   - ☐ 10 Gbps
   - ☑ 1 Gbps - < 10 Gbps
   - ☐ 100 Mbps - < 1 Gbps
   - ☐ 50 Mbps - < 100 Mbps
   - ☐ 10 Mbps - < 50 Mbps
   - ☐ Less than 10 Mbps

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

   WNYRIC/Erie 1 BOCES

4. **Please identify the capacity of the telecommunications line coming into the district's school building(s) from the district hub or district data center. The district's Regional Information Center can provide this information if needed**

	Speed in Gpbs or Mpbs
Minimum Capacity	☐ Greater than 10 Gbps ☐ 10 Gbps ☑ 1 Gbps - < 10Gbps ☐ 100 Mbps- < 1 Gbps ☐ 50 Mbps - < 100 Mbps ☐ 10 Mbps - < 50 Mbps ☐ Less than 10 Mbps
Maximum Capacity	☐ Greater than 10 Gbps ☐ 10 Gbps ☑ 1 Gbps - < 10Gbps ☐ 100 Mbps- < 1 Gbps ☐ 50 Mbps - < 100 Mbps ☐ 10 Mbps - < 50 Mbps ☐ Less than 10 Mbps

5. **Please identify the minimum and maximum circuit speeds at which the classrooms in the district are connected to the school building wiring/network closet.**

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	Please provide the speed at which classrooms are connected to building wiring/network closet.
Minimum Circuit Speed Within a School Building	☐ Greater than 10 Gbps ☐ 10 Gbps ☑ 1 Gbps - < 10Gbps ☐ 100 Mbps- < 1 Gbps ☐ 50 Mbps - < 100 Mbps ☐ 10 Mbps - < 50 Mbps ☐ Less than 10 Mbps
Maximum Circuit Speed Within a School Building	☐ Greater than 10 Gbps ☐ 10 Gbps ☑ 1 Gbps - < 10Gbps ☐ 100 Mbps- < 1 Gbps ☐ 50 Mbps - < 100 Mbps ☐ 10 Mbps - < 50 Mbps ☐ Less than 10 Mbps

6. **What are the minimum and the maximum port speeds of the switches that are less than five years old in use in the district?**

	Port speed of switches	Mbps or Gbps
Minimum Capacity of Switches	0	☐ Mbps ☑ Gbps
Maximum Capacity of Switches	0	☐ Mbps ☑ Gbps

7. **What percentage of the district's wireless protocols are less than 802.11g?**

    0

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

    ☑ Yes
    ☐ No

    8a. **What percentage of your district's instructional space has wireless coverage?**

    90

9. **Does the district use a wireless controller?**

    Yes

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

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	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)	209	209
Laptops/Virtual Machine (VM)	261	261
Chromebooks	4	4
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	71	71
Totals:	545	545

11. **What percentage of students with disabilities in the school district, as of the submission date of this technology plan, have assistive technology documented on their Individual Education Plan (IEP)?**

60

12. **Please describe any additional assistance or resources that, if provided, would enhance the district's ability to improve access to technologies for students with disabilities.**

Continued funding for software, hardware, and professional development in the use of assistive technology with students with disabilities. Funding to upgrade hardware (tablets, soundfields, etc...) used with students with disabilities. Full time assistive technology coordinator.

13. **How many peripheral devices are in use in the district?**

	Number of devices in use
Document Cameras	83
Flat Panel Displays	351
Interactive Projectors	1
Interactive Whiteboards	93
Multi-function Printers	7
Projectors	100
Scanners	3
Other Peripherals	2
Totals:	640

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

Mobile laptop cart for distance learning classes - 2

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

Yes

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

No

17. **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

18. **What barriers may prevent the district from testing 100% of its grade 3-8 students and NYSAA students on computers by the year 2020?**

☐ Insufficient number of devices meeting testing requirements
☐ Lack of reliable Internet service
☐ Insufficient broadband access
☐ Inadequate staffing levels
☐ Insufficient testing spaces
☑ District does not foresee any barriers
☐ Other

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D. Software and IT Support

1. **What are the operating system(s) 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	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. A Learning Management System (LMS) is a software application for the administration, documentation, tracking, reporting, and delivery of online and blended learning courses.**

Schoology

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

i-Ready, Castle Learning, Type To Learn 4

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

ABC CLIO History, Grolier Online Encyclopedias, World Book Encyclopedias, Gale Group, Career Cruising.

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

Yes

8a.   **Check all that apply to the 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).**

(No Response)

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 Full Time Equivalent (FTE) count (as of survey submission date) of all staff whose primary responsibility is providing technical support. Does not include instructional technology integration FTE time.**

Title	Number of Current FTEs
Computer Technician	1.00
Computer Technician	1.00
Computer Technician	0.60
	2.60

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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?**

Falconer Central School District will use digital connectivity and technology to improve teaching and learning. We will increase student access to technology with the addition of mobile carts and laptops to each building and the purchase of iPads for use district-wide for students with disabilities. Students will be able to access courses online and through distance learning to expand Falconer's course offerings as well as using online learning for credit recovery. Data driven instruction will be a focus. Students kindergarten through grade 8 will do online benchmarking using i-Ready Diagnostic and Instruction software to assess student achievement and target student learning needs. Professional development will continue to address technology training for our teachers. Trainings will be in-house through our own staff and BOCES trainers, as well as participation in regional, state, and national trainings and conferences. Our technology committee meets monthly to evaluate technology tools and websites that may benefit our students or aid in teacher productivity.

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 provide detail.**

The needs of students with disabilities are addressed in the technology plan to ensure all students have access to instruction, materials and assessments. Goals to enhance student achievement address the need for assistive technology and also the training required for teachers, students, and staff to appropriately and successfully use the assistive technology.

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.**

One of the goals in the district technology plan is to utilize assistive technology to differentiate instruction for students. As part of that goal, the district uses a referral and evaluation process to identify how assistive technology can benefit diverse learners. The district employs an Assistive Technology Coordinator to make sure this process runs efficiently and smoothly. In addition, the district provides and maintains services to ensure that quality assistive technology is available and functioning for students.

4. **Does the district's instructional technology plan address the needs of English Language Learners to ensure equitable access to instruction, materials, and assessments?**

☑ Yes
☐ No

4a. **Please provide details. If the district plans to apply for Smart School Bond Act funds for Classroom Learning Technology, the answer to this question must be aligned with the district's Smart Schools Investment Plan (SSIP).**

The district will employ an efficient referral and evaluation process to identify how assistive technology can benefit diverse learners. The district will also provide and maintain services to ensure that quality assitive technology is available and functioning for students

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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.**

   Professional Development Technology 2016-2017:
   Professional development will be offered in-house through district staff, outside consultants, and BOCES trainers throughout the school year and on district in-service days. Participation in regional, state, and national trainings and conferences will also be offered to district staff.

Topics	Target Audience	Timeline	Provided by
Using Chromebooks in the classroom	k-12 teachers	Fall 2016	district staff
Google Apps for Best Practices in ELA	6-12 teachers	Spring 2016	BOCES
Google Classroom training	k-12 teachers	Fall-Spring 2016-2017	district staff
i-Ready training	k-8 teachers/administrators	Fall 2016	district staff
Schoology	3-12 teachers/administrators	Spring 2016	district staff
Propel for iPads	k-12 spec. ed. teachers/administrators	Fall 2016	outside consultant
Maker Ed Series	3-5 teachers	Fall-Spring 2016-2017	BOCES
Breakout EDU:Creative Thinking in the Classroom	k-2 teachers	Spring 2017	BOCES
Collaborative Writing using Google	6-12 teachers	Fall 2016	BOCES
Blended Learning	k-2 teachers	Spring 2016	BOCES
Innovative Educator series	6-12 social studies teachers	Fall-Spring 2016-2017	BOCES

2. **Please list title and Full Time Equivalent (FTE) count (as of survey submission date) of all staff whose primary responsibility is delivering technology integration training and support for teachers. Does not include technical support.**

Title	Number of Current FTEs
none	0.00

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G. Technology Investment Plan

1. **Please list the top five planned instructional technology investments in priority order over the next three years. Infrastructure is considered an instructional technology investment.**

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	Anticipated Item or Service	Estimated Cost	Is Cost One-time, Annual or Both?	Funding Sources May choose more than one source
1	Network Cabling	500,000	One Time	☐ BOCES Co-Ser Purchase ☐ District Operating Budget ☐ District Public Bond ☑ E-Rate ☐ Grants ☐ Instructional Material Aid ☐ Instructional Resources Aid ☑ Smart Schools Bond Act ☐ Other
2.	Other	543,700	One Time	☐ BOCES Co-Ser Purchase ☐ District Operating Budget ☐ District Public Bond ☑ E-Rate ☐ Grants ☐ Instructional Material Aid ☐ Instructional Resources Aid ☑ Smart Schools Bond Act ☐ Other
3.	Wi-Fi	75,000	One Time	☐ BOCES Co-Ser Purchase ☑ District Operating Budget ☐ District Public Bond ☑ E-Rate ☐ Grants ☐ Instructional Material Aid ☐ Instructional Resources Aid ☑ Smart Schools Bond Act ☐ Other
4.	Laptops	21,649	One Time	☐ BOCES Co-Ser Purchase ☑ District Operating Budget ☐ District Public Bond ☑ E-Rate ☐ Grants ☐ Instructional Material Aid ☐ Instructional Resources Aid ☑ Smart Schools Bond Act ☐ Other
5.	Desktops	110,000	Annual	☐ BOCES Co-Ser Purchase ☑ District Operating Budget ☐ District Public Bond ☑ E-Rate ☐ Grants ☐ Instructional Material Aid ☐ Instructional Resources Aid ☑ Smart Schools Bond Act ☐ Other
Totals:	0	1,250,349	0	0

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2.   **If "Other" was selected in question one, for items purchased or for a funding source, please specify.**

Other, in question 1, is for network infrastructure (servers, switches, management software, wireless access points)

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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, at home and in the community.**

    Falconer Central School District plans to increase student and teacher access at home and in the community by purchasing laptop computers for teachers to be able to take home with them outside of school hours. Students will also be able to access and sign out computers for use outside of school.

3. **Please check all locations where Internet service is available to students within the school district's geographical boundaries.**

    ☑ Home
    ☑ Community
    ☐ None

    3a. **Please identify categories of available Internet locations within the community.**

    Internet access is available in the geographic area of the school district at local businesses, homes, 3 public libraries, and governmental offices.

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I. Instructional Technology Plan Implementation

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

Summer 2016 • new desktops and laptops imaged and prepared for distribution • Propel software updated on iPads used by special education teachers and students
Fall 2016 • Parents surveyed to identify their perception of district needs and performance. • Fenner teachers receive laptops purchased over Summer 2016 • gr. 6-12 students trained in saving information to their server space and how to save to Google Drive (trainings occur during social studies/ELA class) • Google classroom pilot group continued. Google Apps for Education professional development provided. • CLSO technology trainings provided by BOCES
Spring 2017 • ongoing training for FCS staff • Annual review of the technology plan and related updates. • End of year survey to evaluate the level of technological proficiency gained by students, teachers, and administrators.

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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, whether the district's instructional technology plan is 1) meeting the vision and goals as outlined in the plan and 2) making a positive impact on teaching and learning in the district.**

The success of the technology plan and the District's progress towards its goals will be evaluated through the achievement of our students. The demands of technological innovations will continue to be an ongoing process. The strategies that the District will use to evaluate the extent to which activities are effective in integrating technology into curricula and instruction, increasing the ability to teach, and enabling students to reach challenging state and national academic standards will be closely monitored and reviewed. Administrators will monitor the implementation of the district objectives via communication with the District faculty, staff and building level technology committees. The building and district technology committee plans to meet regularly to discuss technology within the District and discuss new initiatives as they arise. Also, the administrative team meets twice a month, providing an opportunity to review and evaluate the progress and direction of technology on a regular basis.

The following things will be completed to indicate the degree of implementation, which will consist in the following action plan:
-At the end of every school year, staff will be surveyed to establish needs, level of integration, challenges, and support. At the beginning of every school year, parents will be surveyed to identify their perception of district needs and performance. This information will help to determine completed goals and establish new ones.
- Annual review of the technology plan and related updates.
- Research comparable districts to look at various models of technology.
- Continue with district support with two full-time and one part-time K-12 Instructional Support technicians. Building level technology leaders will also assist with tech support.
- Continue utilizing the technology support across the district to assure standard practice in dealing with problems.
- Evaluate the level of technological proficiency gained by students, teachers, and administrators.
- The technology plan is a working document that will be evaluated on a continual basis. The frequency of evaluation will be done twice annually in January and June at district-wide technology meetings and at monthly building-level technology meetings. The persons responsible for evaluations will be the district administrators, building technology committees and the district technology team. The goals will then be reviewed, revised or prioritized as needed.

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

	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	http://www.falconerschools.org/Page/2958	2006
Internet Safety/Cyberbullying*	http://www.falconerschools.org/cms/lib/NY19000463/Centricity/Domain/4/7552.pdf	2012
Parents' Bill of Rights for Data Privacy and Security	http://www.falconerschools.org/Page/2954	2014

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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.**

   (No Response)

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Appendices

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

    (No Response)