LA FARGEVILLE CSD

Instructional Technology Plan - Annually - 2015

A. LEA Information

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

569

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

	Enrollment
Grades K-2	138
Grades 3-5	106
Grades 6-8	133
Grades 9-12	161

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

Robert G. Schafer

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

Other

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

Technology Coordinator

B. Instructional Technology Vision and Goals

1.   **Please provide the district mission statement.**

LaFargeville Central School will serve as the center of education for all community members, providing each student the opportunity to achieve their potential.

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

In order for LaFargeville Central to prepare its students for our rapidly changing world, the district must incorporate technology that emphasizes the 21st century skills they will need to be productive members of our global community. Through collaboration, problem solving, creativity and student-centered learning, it is our belief that we can elevate student achievement; but with the use of technology to enhance instruction and the learning process, achievement can be brought to the higher level that is demanded of us by the global economy.

Access to the latest technologies allows our district to expose our students to the productive technologies that will allow them to be better individual learners and global citizens, while at the same time increasing educational communication between students, teachers and parents in a way that expands the classroom beyond the walls of our building.

As the world and technology continue to converge, our district's technology plan sets goals that allow for our students and staff to keep up with the increased pace of this convergence. The plan establishes the importance of enhancing our infrastructure in order to amplify mobile learning, and it puts an emphasis on achieving a 1:1 student to device ratio. These goals will assist our district as it aims to increase learning in classrooms and integrate technology throughout our building, so as to improve teaching and learning.

The plan stresses the importance of professional development for teachers and staff as the key to efficient and proper implementation of technological changes in the district. Professional development will be essential for our district to meet its goal of exposing students to diverse learning and teaching styles through technology, andpreparing students for our ever-changing technological world.

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	Outcome
5/13/15	Discuss Tech Survey questions with members of the Technology Committee	Technology Committee	• Created a Google Doc with tech survey questions • Delegated sections of the survey to members of the committee to complete
6/11/15	Review tech survey input with a Model Schools Coordinator from MORIC	Technology Committee	• Gathered all the feedback from the model schools coordinator on our survey input • Came up with ideas to revise certain sections of the survey
6/25/15	Review revised survey input	Technology Committee	• Finalized all sections of tech survey

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)
> Device Gap (Checked)
> Network (Checked)
> Professional Development (Checked)
> Staffing (Checked)
> Other (Checked)

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

> Software

5.   **Based upon your answer to question four, what are the top three challenges that are causing the gap? If you chose "No Gap Present" in question four, please enter N/A.**

> 1 Network
> 2 Professional Development
> 3 Staffing

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)	NA	NA
Bandwidth: Connections WITHIN school buildings (LAN)	1GB	1GB

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?**

Time Warner Cable

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?**

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?**

100MB, 1 GB, and 10GB

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)	23	23
Laptops/Virtual Machine (VM)	114	114
Chromebooks	0	0
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	223	223
Totals:	360.00	360.00

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)?**

   51

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 devices such as tablets and laptops for the Special Education department to increase the device to student ratio. Interactive whiteboards to increase student participation / interaction with lessons/topics being taught. Speech-to-text and text-to-speech software, tablet apps, and web-based software to enhance students productivity and learning. This will help with differentiating instruction and support student IEP objectives and goals. Professional development will be provided for all teachers on any new technology or software added to their classrooms.

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	9
Flat Panel Displays	2
Interactive Projectors	0
Interactive Whiteboards	17
Multi-function Printers	3
Projectors	19
Scanners	0
Other Peripherals	8
Totals:	58.00

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

    Apple TVs = 8

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?**

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	No
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	Yes

4.   **Please provide the name of the web browser if the response to question three included "Other."**

Rover for iPads

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

Schoology

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

Castle Learning, School World, TumbleBooks K-8

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

Gale Virtual Reference Library (provided by Jeff-Lewis SLS) , Grolier Encyclopeida Collection (provided by NOVEL), World Book Children's Edition, PebbleGo

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).**

N/A

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)

Facebook (Checked)

Other (Checked)

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

Remind web-based software

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	0.50
	0.50

E. Curriculum and Instruction

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

To keep pace with ever changing technological advances Lafargeville Central School intends to expand our 1:1 device initiative to allow for greater student teacher collaboration through Schoology, our online learning management system.   Use of a blended learning model accommodates the diverse needs of all students.   Our district's use of technology creates a learning environment where students are motivated and engaged allowing each student to achieve their own personal best.

Schoology allows teachers to see instantly where student strengths and weaknesses lie. Lesson content, including documents, links and videos are made available to students and assignments are submitted through the system's drop box. Quizzes and assignments and graded electronically so teachers see instantly who is ready to move on and who needs individualized instruction. Expansion of Schoology will allow teachers to spend more time meeting the individual needs of students.

   With growth of our 1:1 device initiative, students are provided the tools needed to become 21st century learners. Core lessons can be delivered by our staff and made available to students online or saved to their device. This allows students to have access to lessons at home while class time is devoted to exercises, projects, or in depth discussions and affords students the opportunity to learn at their own pace through the use of online activities, quizzes or educational applications.

   Our district's plan to expand our use of technology will increase student learning, reduce costs associated with teaching materials and allow for optimized use of the limited teacher-student time.

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 district's instructional technology plan will address the needs of students withdisabilities to ensure equitable access through the use of text-to-speech and speech-to-text software, audio books, magazines and newspapers, software that rewrites nonfiction articles at student's lexile level, implementation of a platform to increase built-in-audio and interactive ebooks, enhance and differentiate learning content through a variety of iPad applications.

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.

   When stated on their IEPs, students are provided technology to use on a daily basis. For example, we have two visually impaired students who both have an iPad that are used for both speech to text and text to speech, access to all of their teachers' content that has been available digitally, and enlargement of text through the use of the iPad. Students are provided equipment to take notes in class and have the ability to submit work digitally through our LMS. To increase efficiency during the CSE process, we are looking to provide a digital presence that will allow, at the minimum, projection of the student's IEP during CSE committee meetings so that all team members, parents and students can see the IEP as it is being created and edited. Through this approach we will be able to move away from paper copies as we will be creating and correcting the documents in real-time.

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.**

Date	Purpose	Participants	Outcome
Summer 2015	• Training for new 1:1 teachers • Summer Computer Camp	• 6th Grade • All District Staff	• Upload content to our LMS, exploring apps for using in instructional and student learning , and creating classroom workflow in a 1:1 setting • Enhance the use of our LMS at all grade levels, increase the use of technology in the classrooms for 21st century learning,
Fall/Winter/Spring 2015-16	• Superintendent • Model School integration days	• All District Staff • K-12 Teachers	• Enhance the use of all of our instructional technology tools , introducing Google apps, and learning the use of our new VoIP system. • Continue to provide support for the teachers in conjunction with our learning initiatives
Summer 2016	Summer Technology Camp	All district staff	• Expand our google apps use • Enhance the use of our LMS district wide to be used for committees and sports teams • Expand our 1:1 program into the middle schoo
Fall/Winter/Spring 2016-17	• Superintendent • Model School integration days	• All District Staff • K-12 Teachers	• Enhance the use of all of our instructional technology tools. Provide training to Special Education teachers on new software used for students with disabilities • Continue to provide support for the teachers in conjunction with our learning initiatives
Summer 2017	Summer Technology Camp	All district staff	Expand our 1:1 classrooms into high school. Continue training and enhancements on our LMS. Train staff on any new software/hardware used in the classrooms.
Fall/Winter/Spring 2017-18	• Superintendent • Model School integration days	• All District Staff • K-12 Teachers	• Train staff on any new instructional technology implemented for the school year. • Continue to provide support for the teachers in conjunction with our learning initiatives

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	0.50
	0.50

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	Wi-Fi	50,000	One Time	SMART Schools Bond
2	Servers	25,000	One Time	SMART Schools Bond
3	Tablets	50,000	One Time	SMART Schools Bond
4	Interactive Whiteboards	25,000	One Time	SMART Schools Bond
5	Professional Development	25,000	One Time	Funding source not yet identified
Totals:		175,000.00		

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 techology plan, that affect the current status of the technology initiatives.**

    Changes in Funding (Checked)
    Technology Plan Implementation (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.**

    Through our iPad 1:1 Initiative we're able to give students the opportunity to continue learning after school hours by allowing students to take their 1:1 devices home. We are also using a LMS that extends the opportunity for students, parents, and teacher to communicate and gain access to classroom content outside the school day. We are going to partner with our one public library for access to a wireless network, so students and community have a place within the district to gain access to the Internet. We will extend our school library and computer lab hours for student access after school hours.

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

    School (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.**

Date	Action	Desired Outcome
Summer 2015	• VoIP Install • Door Access Control on main door entry • New AntiVirus rollout • Reimage all student devices • Host Server RAM increase • Setup new MDM system and 1:1 iPad • Install new POE switch • Relocate existing APs • Setup all new student devices • Update all users in LMS, assessment software, active directory , and all other web-based software used	• Enhance our communication • Secure the building access and monitoring guest access • Enhance the user end computers and server security • Clean out HDD and update all software components • Increase the workload for our host servers to add more VMs • Better management for mobile devices in a 1:1 and shard setting • Optimize wireless connection for our 1:1 classrooms • Complete our connection for 1GB to all end users devices • Increase our student to device ratio • Make all our username based software current with our enrollment.
Fall / Winter/ Spring 2015-16	• Roll out devices to grade 4-6 • Roll out Schoology to all grades K-12 • Roll out all shared mobile carts • Implementing new school website • Pilot 1:1 classrooms in the middle school	• Implement 1:1 classrooms for grade 6 to continue our 1:1 initiative • Create digital workflow for students and teacher / enhance communication for teachers, students, and parents • Give students and teachers more access to devices for instructional and learning • Create better way to communicate with our parents and community members • Prepae the middle school team for 1:1 classrooms
Summer 2016	• Install new core switch • Upgrade wireless infrastructure • Expand VoIP phones into 12 month staffs offices and install IP speakers for hallways and large common areas • Install additional POE switches • Install new UPS's • Setup devices for middle school 1:1 rollout	• Replace out-dated existing core switch • Expand wireless capabilities for additional 1:1 devices and future BYOD • Complete the VoIP project using IP phones and IP speakers for our PA and bell scheduling system • Updating all data closet switches • Provide backup power to switches when there is a power outage that will keep our VoIP system up and running • Continue our 1:1 into middle school classrooms
Fall / Winter / Spring 2016-17	• Maintain new network infrastructure hardware and software • Roll out middle school 1:1 devices • Pilot 1:1 environment at the high school level and experimenting BYOD • Develop BYOD policy and procedures	• Optimize our internal and external network connections for all devices. • Implement 1:1 classroom in the middle school • Prepare high school staff for 1:1 classrooms as well as test our network for a future BYOD • Establish the culture of BYOD for the district
Summer 2017	• Install new fiber cabling around district • Replacing Host Servers and storage unit • Installing door access controls on all building	• Update fiber to prepare for future bandwidth speeds • Continue reliable virtual server infrastructure

	entry • Replacing and installing additional IP cameras • Setting up devices for high school 1:1	• Secure the building entranceway and monitor guest access • Provide security with video surveillance • Continue 1:1 into high school classrooms
Fall / Winter / Spring 2017-18	• Maintain new network infrastructure hardware and software • Roll out devices for 1:1 and BYOD for high school students.	• Optimize network connections for all devices. • Implement 1:1 classrooms at the high school level. Continue with 1:1 initiative and start BYOD initiative
XXX		

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.**

Date	Purpuse	Participants	Outcome
Fall 2015	Discuss the types of forms and other tools for teacher feedback	Technology Committee	Create ways to gather information from staff on instructional technology used in the classrooms
Winter 2015	Distribute forms to district staff and any other tools to gather information	Technology Committee	Start gathering and analyzing information from feedback forms and other tools
Spring 2016	Analyze and prioritize from the information received from forms	Technology Committee	Develop ideas from feedback and create implementation stages following the instructional technology plan

Repeat the 3 steps above for 2016-17 and 2017-18 school year

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)	http://www.lafargevillecsd.org/administration.cfm?subpage=18656	2009
Internet Safety/Cyberbullying	11/18/2015	http://www.lafargevillecsd.org/administration.cfm?subpage=6148	2005
Parents' Bill of Rights for Data Privacy and Security	(No Response)	http://www.lafargevillecsd.org/files/68546/parent%20bill%20of%20rights.pdf	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**

   No

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

   The answer fields need to have more ability. Example , when creating a table, you do not have the ability to adjust width and height.

2.   **Was the guidance document helpful?**

   No

   2a.   **If "No", please explain.**

   The Questions and guidance was very confusing. More examples of what each questions were looking for would be helpful.

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)