

Instructional Technology Plan - Annually - 2016

LEA Information

Page Last Modified: 08/18/2016

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	790	50	164	160	181	232	3

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

Paul Leonardi

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

Director of Technology

Instructional Technology Plan - Annually - 2016

Instructional Technology Vision and Goals

Page Last Modified: 07/13/2016

B. Instructional Technology Vision and Goals

1. Please provide the district mission statement.

- To educate, provide opportunities, and foster individual excellence in academic, vocational, fine arts and technical learning.
- To challenge every individual to strive for excellence as a way of life.
- To develop and nurture physical and emotional well-being, self-worth, personal integrity, moral and ethical values, and respect for self and others.
- To provide a safe, healthy environment and a positive, enthusiastic atmosphere;
- To promote community involvement and responsible citizenship in a diverse and changing world;
- To encourage life-long learning.

All stakeholders, including students, parents, employees, community members, school board members, and other governmental bodies, should be accountable to the Mission Statement.

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

The primary mission for Newfield Schools' Technology Plan is to ensure high quality learning technologies are available in every classroom and are widely used in each of our schools to support the engagement of students, teachers, administrators, parents, and the community in helping all students to achieve high standards. Toward this end, this technology plan will focus on two overriding goals:

Educational technology applications will deepen student engagement and improve student achievement by enabling them to responsibly access and analyze information, solve problems, collaborate with others, and communicate their thoughts and ideas. Reliable and effective use of learning technologies will allow students to become more self-directed, self-motivated, and lifelong learners.

Teachers will increasingly be facilitators of student learning through sensible, proficient use of learning technologies. All teachers will receive flexible, multidimensional, and ongoing professional development on integrating technology into curricula and instruction. Teachers will incorporate high quality information resources into their teaching strategies to address multiple learning styles, to motivate and engage students, and to support student exploration and growth.

We intend to upgrade and enhance our technology infrastructure, including our virtual server environment, storage server, networking and wireless capabilities, and provide the necessary classroom technologies and devices in order to fully support our mission.

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.

Newfield CSD assembled a committee comprised of multiple stakeholders to collect data, evaluate current and future technology needs, and develop a comprehensive technology plan for our district. Our committee consists of the following members:

- Dr. Cheryl Thomas – Superintendent of Schools
- Mark Jasinski – Director of Curriculum and Instruction
- Paul Leonardi – Director of Technology
- Robin Hawk – Building Administrator (High School)
- Cathy Griggs – Building Administrator (Middle School)
- Andrew Johnston – High School Library Media Specialist
- Elizabeth Atkins – High School ELA Teacher
- Phil Linde – Elementary School Teacher
- Dr. Renee Christopher – Middle School Science Teacher
- Tracy Wall – Pre-K Teacher

Our committee meets regularly throughout the school year to discuss all issues related to our district technology. It is our responsibility to develop our district technology plan, evaluate the outcomes and develop modifications as our technology needs evolve. We have held a number of meetings to discuss and plan for our online technology plan.

This year we developed a technology survey for our faculty and staff to provide direct feedback on the types of technologies for classroom and curriculum use. Based on the survey results, we are developing an implementation plan that will encompass various funding opportunities, including district technology budgets and Smart Schools Investment Plan for providing these technologies in the classroom.

The survey was issued to all faculty and staff in mid-December. We asked that the survey be completed by mid-January. After compiling the results, the Technology committee split into small groups and communicated directly with the faculty to focus and clarify the responses. Our final results were presented to the committee in mid-March. Those results are being used to inform our district technology planning and purchases.

Instructional Technology Plan - Annually - 2016

Instructional Technology Vision and Goals

Page Last Modified: 07/13/2016

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.

1. Limited budget
2. High cost of infrastructure upgrade and maintenance.e.g. servers, storage, wireless, bandwidth.
3. High cost of purchasing classroom technology. e.g. Interactive whiteboards, mobile devices, LMS, online resources.

Instructional Technology Plan - Annually - 2016

Instructional Technology & Infrastructure Inventory

Page Last Modified: 08/12/2016

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?

CNYRIC

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	<ul style="list-style-type: none"> <input type="checkbox"/> Greater than 10 Gbps <input type="checkbox"/> 10 Gbps <input type="checkbox"/> 1 Gbps - < 10Gbps <input checked="" type="checkbox"/> 100 Mbps- < 1 Gbps <input type="checkbox"/> 50 Mbps - < 100 Mbps <input type="checkbox"/> 10 Mbps - < 50 Mbps <input type="checkbox"/> Less than 10 Mbps
Maximum Capacity	<ul style="list-style-type: none"> <input type="checkbox"/> Greater than 10 Gbps <input type="checkbox"/> 10 Gbps <input type="checkbox"/> 1 Gbps - < 10Gbps <input checked="" type="checkbox"/> 100 Mbps- < 1 Gbps <input type="checkbox"/> 50 Mbps - < 100 Mbps <input type="checkbox"/> 10 Mbps - < 50 Mbps <input type="checkbox"/> 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.

Instructional Technology Plan - Annually - 2016

Instructional Technology & Infrastructure Inventory

Page Last Modified: 08/12/2016

	Please provide the speed at which classrooms are connected to building wiring/network closet.
Minimum Circuit Speed Within a School Building	<input type="checkbox"/> Greater than 10 Gbps <input type="checkbox"/> 10 Gbps <input type="checkbox"/> 1 Gbps - < 10Gbps <input type="checkbox"/> 100 Mbps- < 1 Gbps <input checked="" type="checkbox"/> 50 Mbps - < 100 Mbps <input type="checkbox"/> 10 Mbps - < 50 Mbps <input type="checkbox"/> Less than 10 Mbps
Maximum Circuit Speed Within a School Building	<input type="checkbox"/> Greater than 10 Gbps <input type="checkbox"/> 10 Gbps <input type="checkbox"/> 1 Gbps - < 10Gbps <input type="checkbox"/> 100 Mbps- < 1 Gbps <input checked="" type="checkbox"/> 50 Mbps - < 100 Mbps <input type="checkbox"/> 10 Mbps - < 50 Mbps <input type="checkbox"/> 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	100	<input checked="" type="checkbox"/> Mbps <input type="checkbox"/> Gbps
Maximum Capacity of Switches	1	<input type="checkbox"/> Mbps <input checked="" type="checkbox"/> 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?**

100

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

No

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

Instructional Technology Plan - Annually - 2016

Instructional Technology & Infrastructure Inventory

Page Last Modified: 08/12/2016

	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)	243	243
Laptops/Virtual Machine (VM)	100	100
Chromebooks	3	3
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	23	23
Tablets nine (9) inches or greater without access to an external keyboard	105	105
Totals:	474.00	474.00

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)?

2

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.

Student IEPs have identified students who need speech to text software or computers capable of providing this technology. This will create independence and eliminate the barrier which impacts the student revealing their knowledge. IEPs also identify students who need text read to them. Computers and software with the capability to read text to a student enhances their independence and abilities to be fully integrated within all classrooms. It also eliminates barriers which allow students to participate in Regents level courses without the support of a paraprofessional. Finally both of the above mentioned technologies prepare our students for career and college readiness.

The availability of technology which can be used within the classrooms as a means to practice and enhance student learning is also a key factor for Newfield students with disabilities.

To maximize all above mentioned technology, teachers and students need trainings to enhance their understanding and usage of the software and technology.

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

	Number of devices in use
Document Cameras	3
Flat Panel Displays	0
Interactive Projectors	17
Interactive Whiteboards	13
Multi-function Printers	19
Projectors	19
Scanners	2
Other Peripherals	27
Totals:	100.00

Instructional Technology Plan - Annually - 2016

Instructional Technology & Infrastructure Inventory

Page Last Modified: 08/12/2016

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

Chromecast	2
Apple TV	23
Digital video camera	2

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

Yes

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

Yes

16a. On an average school day, approximately how many student devices access the district's network?

500

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?

Not Applicable

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

Instructional Technology Plan - Annually - 2016

Software and IT Support

Page Last Modified: 07/15/2016

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	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	No
Google Chrome	Yes
Safari (Apple)	Yes
Other	No

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

(No Response)

5. Please provide the name of the Learning Management System (LMS) most commonly used in the district. A Learning Management System (LMS) is a software application for the administration, documentation, tracking, reporting, and delivery of online and blended learning courses.

Blackboard

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

PebbleGo
Edmodo
Microsoft Office
AIMSweb
Turnitin

Instructional Technology Plan - Annually - 2016

Software and IT Support

Page Last Modified: 07/15/2016

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

- World Book Online
- PebbleGo Animals
- Grolier Online
- NOVEL Gale
- Teen Health & Wellness

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
Director of Technology	0.60
LAN Tech	1.00
Network Specialist	1.00
Tech Integration Specialist	0.40
	3.00

Instructional Technology Plan - Annually - 2016

Curriculum and Instruction

Page Last Modified: 07/21/2016

E. Curriculum and Instruction

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

The district plans to use technology to engage this generation's digital learners and prepare them for careers in a digital world. Educational technology applications will deepen student engagement and improve student achievement by enabling them to responsibly access and analyze information, solve problems, collaborate with others, and communicate their thoughts and ideas. Reliable and effective use of learning technologies will allow students to become more self-directed, self-motivated and lifelong learners. The District has implemented a "Bring Your Own Device" policy that allows students and staff to use technology for educational purposes including research, word processing, presentations, student assessment, class and homework assignments, and communication. Additional mobile devices will be purchased to enhance instruction and student learning. Teachers will increasingly be facilitators of student learning through sensible, proficient use of learning technologies. Our proposed projects will provide the infrastructure and networking capabilities necessary to support these goals making connectivity reliable and ubiquitous across the district. The servers will enhance and replace existing outdated or end-of-life servers and expand our file storage capacity. The core networking infrastructure upgrade and wiring (switching and cabling components) and wireless components (access point replacement) will give mobility devices reliable and fast connectivity increasing our network connectivity from 1GB connections to 10GB connections throughout the networking infrastructure.

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.

- Audio assist systems are installed in the elementary school classrooms. iPads are available to students for extra practice. Chrome extensions are available to support students with learning differences. Individual student devices help teachers differentiate instruction.
- Digital texts and ebooks are available through our libraries.
- NEO AlphaSmart devices have been provided.
- Alternative and Augmentative Communication applications, like Proloquo2go, have been provided for home use.

The proposed technology purchases will give Newfield the capability to supply a robust, reliable and secure network to multiple devices simultaneously. With the addition of more mobile devices, these improvements will provide the ability to enhance differentiated instruction by allowing additional, individual devices in the hands of the students. With more devices there can be a wider distribution of assistive software for students with disabilities.

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.

Google Extensions that can be used through Chrome web browser that support students with learning differences:

- Google Read and Write (converts text to speech on web pages opened in Chrome. Has a highlighting option, which will segregate student highlights into a separate document. Dictionary (including pictures), research option, thesaurus, and other language options that support students with learning differences also embedded in this extension).
- Evernote Clearly (converts "busy" web pages to clear and succinct list form for students with ADD and ADHD)
- Google Dictionary
- Google Convert Text to Speech (aids students with speech-language learning differences, reading, and hearing impairments)
- Ad Block (removes ads from web pages and youtube)
- Tab Scissors (splits a adjacent screens in Chrome browser aiding students who multitask well and allows for an instructional video and work assignment to be open on the same screen at the same time)

Software and/or devices have been provided to students with assistive technology needs:

- Visual software, like Brainware Safari, have been provided to students.
- Proloquo2 has been provided for a home bound child.

New servers will increase our storage capacity and make student network resources more easily available. Wireless upgrades, including higher capacity switches, cabling and access points will allow more devices to connect simultaneously to the internet and network services. The purchase of additional tablets and laptops will provide the ability to enhance differentiated instruction by allowing additional, individual devices in the hands of students. More devices will allow a wider distribution of assistive software for students with disabilities.

Instructional Technology Plan - Annually - 2016

Curriculum and Instruction

Page Last Modified: 07/21/2016

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

Instructional Technology Plan - Annually - 2016

Professional Development

Page Last Modified: 08/08/2016

F. Professional Development

Instructional Technology Plan - Annually - 2016

Professional Development

Page Last Modified: 08/08/2016

- 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.**

Needs Analysis

Teachers and Administrators will examine the data from NYS Assessments, Regents Exams, and local measures to identify gaps in learning or deficiencies in teaching. In addition, teachers and administrators will be asked to engage in self-reflection in order to determine professional development needs.

How Professional Development Activities Are Provided

Professional Development opportunities will be provided on Superintendent’s Conference Days, faculty meetings, Professional Learning Communities, in-house workshops, and/or out-of-district workshops as approved by the Superintendent.

Expectations for Participation

These opportunities are available to all teachers, including those required to complete 175 hours of professional development every five years as prescribed in Commissioner’s Regulations 100.2 Part 80. Every teacher is expected to complete minimum of 18hours of professional development which are made available by the District each year. All teachers may also receive credit for approved professional development outside the District. Initial and Professional Certificate holders are also expected to take advantage of some or all of the additional hours provided by the District through Professional Learning Communities, after-school workshops, etc as well as approved out-of-district workshops.

Alignment with NYS Standards, Assessments and Student Needs

Professional Development opportunities to learn about and align curriculum with the Common Core Standards will be provided. Aligning the curriculum with the Common Core Standards will also involve vertical alignment as well as horizontal alignment. Teachers will be encouraged to work across grade levels in each subject area to make sure there are no gaps in student learning. Teachers will also be expected to work within grade level teams, and encouraged to work within departments, to make sure instruction is consistent and comparable from class to class.

Other approved topics may include:

- Using technology to improve instruction
- The prevention of bullying
- Parent involvement
- Teaching with the challenges of poverty in mind
- Best practices
- Classroom management
- Analyzing student data and student work to determine needed changes in the delivery of instruction
- Participating in reviews of class performance data over time to make decisions about one’s own professional development, based on student outcomes
- Participating in courses and other learning opportunities delivered from many providers, such as institutions of higher education, teacher centers, BOCES, school districts and independent professional development service providers.
- Coursework linked to improvement of instructional technique or content knowledge, which may or may not be in pursuit of a teaching or advanced teaching degree.
- Completing coursework for more advanced certification or certificates in additional areas or in accordance with teaching assignment requirement for extension to certification.
- Engaging in research projects (includes online research)
- Curriculum planning and development (this does not include writing lesson plans)
- Participation in study (collegial) circles such as "Critical Friends" activities or Professional Learning Communities, structured guided reflection activities focused on student learning
- Delivering professional development (e.g. conducting workshops, job-embedded modeling and coaching, providing pre-service teacher preparation courses)
- Pursuing National Board certification or re-certification (either as candidate or provider of support)
- Developing and presenting a major paper
- Publishing in educational journals

2016 Professional Development Calendar for Newfield CSD

Month	Topic	PD Provider
September	Edmodo- Learning Management System Basics	Instructional Technology Integration Specialist

Instructional Technology Plan - Annually - 2016

Professional Development

Page Last Modified: 08/08/2016

October	Office 365 for Teachers and Students Basics	Instructional Technology Integration Specialist
November	Edmodo- Learning Management System Advanced	Instructional Technology Integration Specialist
December	Digital Storytelling with Ipad	Instructional Technology Integration Specialist
January	Project Design Using Technology: Basics	Instructional Technology Integration Specialist
February	Using Technology For Formative Assessment	Instructional Technology Integration Specialist
March	Project Design Using Technology: Advanced	Instructional Technology Integration Specialist
April	Online Blogging Tools and Digital Portfolios	Instructional Technology Integration Specialist
May	Designing Your Own Classroom Website	Instructional Technology Integration Specialist
June	Office 365 Advanced	Instructional Technology Integration Specialist

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
Director of Technology	0.60
Network Specialist	1.00
LAN Technician	1.00
Tech Integration Spec	0.40
	3.00

Instructional Technology Plan - Annually - 2016

Technology Investment Plan

Page Last Modified: 08/08/2016

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.**

Instructional Technology Plan - Annually - 2016

Technology Investment Plan

Page Last Modified: 08/08/2016

	Anticipated Item or Service	Estimated Cost	Is Cost One-time, Annual or Both?	Funding Sources May choose more than one source
1	Servers	42,200	One Time	<input type="checkbox"/> BOCES Co-Ser Purchase <input type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Material Aid <input type="checkbox"/> Instructional Resources Aid <input checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
2.	Wi-Fi	72,436	Both	<input type="checkbox"/> BOCES Co-Ser Purchase <input checked="" type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Material Aid <input type="checkbox"/> Instructional Resources Aid <input checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
3.	Switches	207,184	Both	<input type="checkbox"/> BOCES Co-Ser Purchase <input checked="" type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Material Aid <input type="checkbox"/> Instructional Resources Aid <input checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
4.	Network Cabling	201,400	Both	<input type="checkbox"/> BOCES Co-Ser Purchase <input type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Material Aid <input type="checkbox"/> Instructional Resources Aid <input checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
5.	Laptops	200,000	One Time	<input type="checkbox"/> BOCES Co-Ser Purchase <input checked="" type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Material Aid <input type="checkbox"/> Instructional Resources Aid <input checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
Totals:		723,220.00		

Instructional Technology Plan - Annually - 2016

Technology Investment Plan

Page Last Modified: 08/08/2016

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

(No Response)

Instructional Technology Plan - Annually - 2016

Status of Technology Initiatives and Community Involvement

Page Last Modified: 07/21/2016

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.**

More computers, laptops, and iPads will be purchased as funding allows. Most of these are on a rolling cart to provide access to as many classrooms as possible throughout the year. Mobile devices are available for teachers to sign out for use at home. Additional wireless access will be installed to make sure the increased number of devices are able to access the internet throughout the day. Broadband will be increased to handle increased multi-media needs.

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.**

WiFi is available at the Public Library.

Instructional Technology Plan - Annually - 2016

Instructional Technology Plan Implementation

Page Last Modified: 07/26/2016

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.

Technology upgrades and enhancements:

Year	Actions	Outcomes
2016	<ul style="list-style-type: none"> Upgrade File Storage Server and Maintenance Upgrade Backup Server and Maintenance Network closets refresh Add WiFi Access Points and licensing Add additional laptops and tablets Add interactive whiteboards Re-evaluate implementation plan for 2017 	<ul style="list-style-type: none"> Replace end-of-life server and upgrade file storage capacity Replace backup system with one designed for virtual server environments Replace old switches and upgrade all switching to accommodate additional WiFi AP's Support additional wireless access to the Internet Increase student access to technology Provide technology that engages students and encourages active participation Observe and evaluate 2016 implementation plan and make necessary modifications for 2017
	<ul style="list-style-type: none"> Network closets refresh Add WiFi Access Points and licensing Add additional laptops and tablets Add interactive whiteboards Re-evaluate implementation plan for 2018 	<ul style="list-style-type: none"> Replace old switches and upgrade all switching to accommodate additional WiFi AP's Support additional wireless access to the Internet Increase student access to technology Provide technology that engages students and encourages active participation Observe and evaluate 2017 implementation plan and make necessary modifications for 2018
2018	<ul style="list-style-type: none"> Network closets refresh Add WiFi Access Points and licensing Add additional laptops and tablets Add interactive whiteboards Re-evaluate implementation plan for 2019 	<ul style="list-style-type: none"> Replace old switches and upgrade all switching to accommodate additional WiFi AP's Support additional wireless access to the Internet Increase student access to technology Provide technology that engages students and encourages active participation Observe and evaluate 2018 implementation plan and make necessary modifications for 2019

Instructional Technology Plan - Annually - 2016

Monitoring and Evaluation

Page Last Modified: 07/26/2016

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 Newfield CSD Technology Committee is committed to providing a plan that reflects the state of our current technology implementation and makes fiscally informed recommendations for our future purchases and deployments.

The Newfield CSD Technology Committee meets multiple times throughout the year and has the responsibility of monitoring, evaluating and, if necessary, making mid-course corrections to the Technology Plan. The committee will semi-annually recommend adjustments in planning, implementation and professional development. It will also annually conduct a survey of faculty and staff to assess the effectiveness of the plan and identify areas that need modification or improvements.

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

	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	http://www.newfieldschools.org/tfiles/folder46/Instruction%20-%20Section%204000.pdf	2001
Internet Safety/Cyberbullying*	http://www.newfieldschools.org/tfiles/folder46/Instruction%20-%20Section%204000.pdf	2012
Parents' Bill of Rights for Data Privacy and Security	http://www.newfieldschools.org/districtpage.cfm?pageid=64	2014

Instructional Technology Plan - Annually - 2016

Survey Feedback

Page Last Modified: 07/26/2016

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?

1. What technology inventory items in our district are older than 5 years. It would give an evaluator a better understanding of what the effective cost of a replacement cycle actually is. Knowing what's less than 5 years old gives little information.
2. I'd like to see multiple options under the Technology Investment Plan, q. 1. We purchase upgrades to technology which tend to be one-time purchases, but we spend **significant** fees for maintenance and software licensing for those devices which are required annually. The question does not give a realistic snapshot of the expense.

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

Section D, question 6. The list is expansive. The data is difficult to collect. It differs widely at each grade level. Mostly, I can't imagine how this won't change monthly. I don't believe the data is useful for any kind of long range planning.

5. Other comments.

- When printing the survey, all of the table formatting is invisible and makes the tables difficult or impossible to read.
- More of the previous year's data could have been rolled over into this form. Instead of leaving fields blank that would eventually contain the exact same data, roll all the data over and shade the fields where some information may need to be changed in red to recommend a review/update of the data. It's a lot quicker to edit info that's already there than to cut and paste from a document that basically forces you to exit the page you're working on in order to capture the data from the previous document.

Instructional Technology Plan - Annually - 2016

Appendices

Page Last Modified: 07/11/2016

Appendices

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

(No Response)