

**Instructional Technology Plan - Annually - 2016**

LEA Information

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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	1,252	46	273	251	278	399	5

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

Michelle Bombard

**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.**

Director of Technology

# Instructional Technology Plan - Annually - 2016

## Instructional Technology Vision and Goals

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### B. Instructional Technology Vision and Goals

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

Newark Valley Central Schools prepare all students, traditional as well as non-traditional, to become and remain productive contributing citizens in a continuously changing world. We do so in a supportive environment that provides experiences that will guide our students to the knowledge, skills, and attitude necessary for current and future success.

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

The Newark Valley Central School District recognizes the integral role technology plays in our society. Technology skills are essential as we prepare students and staff for life-long learning and success in a world where the adoption and use of technology is constantly increasing. It is the school system's responsibility to make resources available to enable students and staff to:

- Develop expertise with computer productivity tools (word processing, spreadsheets, etc.)
- Develop the skills necessary to communicate globally
- Access on-line resources (Internet)
- Utilize technology resources to promote and enhance learning
- Be able to access technology to assist in problem solving, when appropriate

It is the district's belief that technology can be an enabling and beneficial component of instruction when it is effectively used to support and enhance the educational process.

**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	Stakeholders	Outcomes
2/19/2016	Superintendent Director of Curriculum/Technology Managed IT Services	Technology needed to support updates
3/19/2016	Superintendent Director of Curriculum/Technology Managed IT Services	Building specific updates
4/16/2015	Superintendent Director of Curriculum/Technology Managed IT Services	Technology to support camera systems
5/20/2016	Superintendent Director of Curriculum/Technology Managed IT Services	Professional Development for instructional technology
6/18/2016	Superintendent Director of Curriculum/Technology Managed IT Services	Summer updates
Monthly Meetings 9/01/2015 - Present	Superintendent Director of Curriculum/Technology Managed IT Services	Technology updates necessary, funding and budgeting, professional development

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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.

The biggest challenge NVCSD continues to face is lack of funding. In addition, the district is working to add/increase professional development time with teacher, staff, and BOCES trainers.

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Instructional Technology & Infrastructure Inventory

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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 - < 1 Gbps
- 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?

Level3 via SCRIC

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 Gbps or Mbps
Minimum Capacity	<ul style="list-style-type: none"> <li><input type="checkbox"/> Greater than 10 Gbps</li> <li><input type="checkbox"/> 10 Gbps</li> <li><input checked="" type="checkbox"/> 1 Gbps - &lt; 10Gbps</li> <li><input type="checkbox"/> 100 Mbps- &lt; 1 Gbps</li> <li><input type="checkbox"/> 50 Mbps - &lt; 100 Mbps</li> <li><input type="checkbox"/> 10 Mbps - &lt; 50 Mbps</li> <li><input type="checkbox"/> Less than 10 Mbps</li> </ul>
Maximum Capacity	<ul style="list-style-type: none"> <li><input type="checkbox"/> Greater than 10 Gbps</li> <li><input type="checkbox"/> 10 Gbps</li> <li><input checked="" type="checkbox"/> 1 Gbps - &lt; 10Gbps</li> <li><input type="checkbox"/> 100 Mbps- &lt; 1 Gbps</li> <li><input type="checkbox"/> 50 Mbps - &lt; 100 Mbps</li> <li><input type="checkbox"/> 10 Mbps - &lt; 50 Mbps</li> <li><input type="checkbox"/> Less than 10 Mbps</li> </ul>

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	<input type="checkbox"/> Greater than 10 Gbps <input type="checkbox"/> 10 Gbps <input checked="" type="checkbox"/> 1 Gbps - < 10Gbps <input 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 Circuit Speed Within a School Building	<input type="checkbox"/> Greater than 10 Gbps <input type="checkbox"/> 10 Gbps <input checked="" type="checkbox"/> 1 Gbps - < 10Gbps <input 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

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	1	<input type="checkbox"/> Mbps <input checked="" 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?

70

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)	66	66
Laptops/Virtual Machine (VM)	42	42
Chromebooks	124	124
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	70	70
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	32	32
<b>Totals:</b>	<b>334</b>	<b>334</b>

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)?**

100

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.**

Additional mobile tablet carts would allow a variety of teachers to use technology in new ways instructionally. Additional access points and increasing our wireless capacity would also support this.

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

	Number of devices in use
Document Cameras	25
Flat Panel Displays	13
Interactive Projectors	0
Interactive Whiteboards	31
Multi-function Printers	36
Projectors	58
Scanners	2
Other Peripherals	43
<b>Totals:</b>	<b>208</b>

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

40 e-readers, 3 digital multi-media receiver

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

Yes

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Instructional Technology & Infrastructure Inventory

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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?

100

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

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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	Yes
Windows 7.0	Yes
Windows 8,0 or greater	Yes
Apple iOS 7 or greater	Yes
Chrome OS	Yes
Android	No
Other	Yes

2. Please provide the name of the operating system if the response to question one included "Other."

Windows Server 2008 R2; Windows Server 2012 R2

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.

Learning A-Z  
 Smart Notebook  
 Microsoft Office  
 Type to Learn  
 Google Apps

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Software and IT Support

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

BrainPop  
 EBSCO  
 First Search  
 Gale Cengage  
 Scholastic  
 Gannett Newsstand

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
Service from SCRIC	0.00

# Instructional Technology Plan - Annually - 2016

Curriculum and Instruction

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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?**

The district plans to use technology to empower teachers to connect students globally. NVCSd also plans to use technology to enhance and differentiate instruction. Our plans also include the expansion of our blended learning classes. In addition, we will use technology to better our communication within our school community.

2. **Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials, and assessments?**

No

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?**

No

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

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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.**

IT Teacher Leader, Models Schools Service, Schoology, Superintendent Conference Days  
 2016-17: Integrating Technology in the classroom  
 Audience PK-12 Staff  
 Method: In house inservice by staff

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
no one	0.00

**Instructional Technology Plan - Annually - 2016**

Technology Investment Plan

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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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Technology Investment Plan

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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	50,000	One Time	<input checked="" 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 type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
2.	Desktops	100,000	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 type="checkbox"/> Smart Schools Bond Act <input checked="" type="checkbox"/> Other
3.	Wi-Fi	30,000	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 type="checkbox"/> Smart Schools Bond Act <input checked="" type="checkbox"/> Other
4.	Professional Development	50,000	Annual	<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 type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
5.	Tablets	50,000	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 type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
<b>Totals:</b>	<b>0</b>	<b>280,000</b>	<b>0</b>	<b>0</b>

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Technology Investment Plan

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

BOCES and Hardware Aid

# Instructional Technology Plan - Annually - 2016

Status of Technology Initiatives and Community Involvement

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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.

Increase our access points in order to allot for more BYOD. Add additional tablet carts for use in the classroom, communicate with local businesses and local libraries to create technology hot spots for our school community.

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.

Public Library, local businesses and restaurants, government offices

**Instructional Technology Plan - Annually - 2016**

Instructional Technology Plan Implementation

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**I. Instructional Technology Plan Implementation**

- 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.**

Date	Action	Desired Outcome
Summer 2016	Upgrade computer labs Upgrade projectors	Increase use of technologies with students
Fall 2017	Smart Notebook Software Implementation and professional development grades K-12.	Maximize potential usage of smartbook for teachers
Summer 2017	Infrastructure Upgrades	Support new facilities

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Monitoring and Evaluation

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**J. Monitoring and Evaluation**

- 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.**

Monthly meetings with all stakeholders to assess implementation and successful outcomes. All stakeholders will provide specific feedback in December 2016 and May 2017 meetings. The committee will answer the question: Is the goal set by the district effective in improving the teaching and learning process? If the goal is not proven effective by all stakeholders, modifications must be made and determined in both plans.

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

	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	<a href="http://www.nvcs.stier.org/Downloads/July%202012%20VV3.pdf">http://www.nvcs.stier.org/Downloads/July%202012%20VV3.pdf</a>	2012
Internet Safety/Cyberbullying*	<a href="http://www.nvcs.stier.org/BullyingPrevention.aspx">http://www.nvcs.stier.org/BullyingPrevention.aspx</a>	2013
Parents' Bill of Rights for Data Privacy and Security	<a href="http://www.nvcs.stier.org/Downloads/Student%20Data%20Privacy.docx">www.nvcs.stier.org/Downloads/Student%20Data%20Privacy.docx</a>	2014

**Instructional Technology Plan - Annually - 2016**

Survey Feedback

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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

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**Appendices**

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

(No Response)