

Instructional Technology Plan - Annually - 2017

LEA Information

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A. LEA Information

1. 2015-2016 Student Enrollment

	Total Enrollment	Pre-K Enrollment	K-2 Enrollment	3-5 Enrollment	6-8 Enrollment	9-12 Enrollment	Ungraded Enrollment
Student Enrollment	3,876	103	707	830	882	1,347	7

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

Christian Ranaudo

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

Assistant Superintendent

Instructional Technology Plan - Annually - 2017Instructional Technology Vision and Goals

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B. Instructional Technology Vision and Goals**1. Please provide the district mission statement.**

The Minisink Valley Central School District encourages all students to reach their full potential by providing equal opportunity for academic, social, physical and moral education in a safe, caring and challenging environment. In partnership with the community, we are committed to meeting and exceeding New York State Learning Standards while preparing our students to be productive, responsible citizens and lifelong learners.

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

We have developed this district plan to meet the challenges of rapidly evolving technologies in support of student learning and achievement. This plan will support the district goal of preparing students as productive 21st century citizens. We envision a technology rich environment where technology provides a seamless connection to learning and the world. Likewise, technology will be utilized to create a safe learning environment as well as to allow for the development of a 21st century communications system.

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.

The district has begun meeting with varied stakeholder groups which include but have not been limited to instructional technology staff, administrators, faculty, Board of Education, PTO, and community members. The meetings have focused on coupling the district's technology vision with technology goals and outcomes. Outcomes of the meetings were the development of the district's technology plan as well as the identification of key areas of district focus for the use of Smart School Bond funds. Meetings will continue as revisions to the goals and outcomes become necessary.

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

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

Classroom multimedia, building security, telecommunications

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.

We will need additional staffing to support new devices, rollout, and professional development. Budget limitations and/or shortages have prevented the district from adding the staff because of the aforementioned issues. Building security and classroom technology has evolved and our current infrastructure is outdated. Telecommunication/telephone systems have also evolved and are in need of improvement.

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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 - < 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?

Orange-Ulster 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 Gbps or Mbps
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 checked="" type="checkbox"/> 10 Gbps <input 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

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?

100

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)	816	816
Laptops/Virtual Machine (VM)	225	225
Chromebooks	928	928
Tablets less than nine (9) inches with access to an external keyboard	381	381
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	270	270
Totals:	2,620	2,620

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)?**

8

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.**

Chromebooks
 Tablets/iPads
 Software/Apps - Teacher
 Virtual Reality Software/Hardware (z-space/google glasses)
 Interactive Watches/Wrist Devices

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

	Number of devices in use
Document Cameras	100
Flat Panel Displays	8
Interactive Projectors	0
Interactive Whiteboards	300
Multi-function Printers	23
Projectors	300
Scanners	0
Other Peripherals	10
Totals:	741

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

3D Printers: 10

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Instructional Technology & Infrastructure Inventory

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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?

1,100

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?

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

18a. Please provide details if response to Question 18 was Other.

Communication with NYSED in regard to online testing specifics.

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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	No
Windows 7.0	No
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.**

Sakai

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

Smart Notebook, Microsoft Office, Google Apps for Education, Apple iWork, Discovery Education

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

World Book Online, EBSCO, Gale, Scholastic Go, INFOBASE

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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

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

District mobile app

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
Network Security Analyst	1.00
Computer Network Specialist	2.00
Data Coordinator	1.00
	4.00

Instructional Technology Plan - Annually - 2017Curriculum 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 digital connectivity and technology to improve learning by addressing instructional goals and objectives that reflect an integrated/interdisciplinary approach supporting technology use as it is embedded in the learning standards across the curricula. Instructional technology supports student achievement and performance goals. Instructional technology supports digital literacy, authentic learning, higher-order thinking, and performance-based assessments.

The district plans to use digital connectivity and technology to improve teaching by continuing to provide professional development opportunities to administration, faculty and staff both on campus and at qualified and high quality off campus venues.

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.

Assistive technology is provided to students with disabilities, as outlined in his/her Individualized Education Program, to ensure equitable access including materials and assessments.

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.

Assistive technology is provided to students with disabilities, as outlined in his/her Individualized Education Program, to ensure equitable access including materials and assessments.

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 Technology Plan provides for the continued implementation of technology as an integral component of teaching and learning in the MVCSD. Included within this are the use of mobile devices such as chromebooks and ipads in our classrooms. For instance, iPads and iPad apps have been used for translation services to aid in the instruction of ELL students.

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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.**

Recognizing the impact of professional development on successful technology integration, this plan supports professional development designed to build technology literacy. MVCSD technology professional development is:

- based on levels of readiness and expertise
- hands-on and practical
- directly related to improvement of instruction
- flexible in setting, time frame, and delivery

Professional development is provided through district and building conference days, MV Inservice Academy, OU-BOCES, web-based instruction, instructional technology specialists, and/or peer mentors.

Topics covered but not limited to:

- Google Summit
- Chromebook/Google Apps/Google Classroom
- iPads - iTunesU
- Discovery Education/Education City
- Apple - iLife Suite

- 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
Office of Prof. Learning	4.00
	4.00

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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	Interactive Displays/Projectors/Whiteboards	1,300,000	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
2.	Other	2,000,000	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 checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
3.	VOIP	1,000,000	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 checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
4.	Chromebooks	68,000	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.	Laptops	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
Totals:	0	4,418,000	0	0

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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.

Building security

Instructional Technology Plan - Annually - 2017Status 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.**

MVCSD is the hub of the community. MVCSD will provide opportunities for students and teachers to access technology via continued support of mobile device usage and a platform neutral web environment. Students and teachers will be provided opportunities to access devices for home use as part of a device loan program.

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.**

Community members have good options for personal Internet access at home and limited access at local businesses. The school does provide wireless access for high school students and staff anywhere on campus.

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Instructional Technology Plan Implementation

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I. Instructional Technology Plan Implementation

Instructional Technology Plan - Annually - 2017

Instructional Technology Plan Implementation

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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.

Action Plan

Goal:

Increase availability of Mobile Devices to enhance teaching and learning in the Middle School.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
Grade 6 /Phase I Chromebook Initiative	Yes-Provided	Technology Team	Fall 2016	Teacher/Student Survey Administrative Observation
Grade 7 /Phase II Chromebook Initiative	Yes-Provided	Technology Team	Fall 2017	Teacher/Student Survey Administrative Observation
Grade 8 /Phase III Chromebook Initiative	Yes-Provided	Technology Team	Fall 2018	Teacher/Student Survey Administrative Observation

Goal: Upgrade Network Infrastructure

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
Upgrade Switches Districtwide	N/A	Technology Team	Fall 2016	Improved performance of network
Upgrade Wifi Districtwide	N/A	Technology Team	Fall 2017	Improved performance of network

Goal: Replace Smartboards with Interactive Televisions

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
Evaluate products	Yes-Provided	Technology Team MVCSD Faculty	2016	Staff Survey
Product Procurement and Installation	N/A	Technology Team	2017	N/A
Device Integrations	Yes-Provided	Technology Team	2017	Staff Survey

Goal: Enhanced Building Security and Telecommunication Systems

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Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
Evaluate current system capabilities	N/A	Technology Team Telecommunication system vendor District Architect Security system vendor	2016	N/A
Product Procurement and Installation	N/A	Technology Team Telecommunication system vendor District Architect Security system vendor	2018	N/A
Device Integrations	Yes-Provided	Technology Team	2018	Staff Survey

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Monitoring and Evaluation

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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.**

District Technology Team will meet at least twice a year. Anecdotal evidence will be presented at each meeting. Google survey to the staff will provide feedback. Based on anecdotal evidence and staff feedback, district’s instructional technology plan (vision and goals) will be revised.

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

	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	http://www.minisink.com/fileadmin/user_upload/District_Media/PDFs_2011-2012/ACCEPTABLE%20USE%20AGREEMENT.pdf	2011
Internet Safety/Cyberbullying*	http://www.minisink.com/fileadmin/user_upload/pdfs/Policies/7310_Code_of_Conduct.pdf	2016
Parents' Bill of Rights for Data Privacy and Security	http://minisink.com/fileadmin/user_upload/pdfs/Parents_Bill_of_Rights.pdf	2014

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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)