

Instructional Technology Plan - Annually - 2016

LEA Information

Page Last Modified: 07/28/2016

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	740	45	149	135	169	242	0

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

Peter Reynolds

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.

Secondary Principal/Technology Coordinator

Instructional Technology Plan - Annually - 2016

Instructional Technology Vision and Goals

Page Last Modified: 07/28/2016

B. Instructional Technology Vision and Goals

1. Please provide the district mission statement.

'Together the school district and the community will be committed to understanding each student's interests, needs, and ambitions in order to prepare all students for graduation with knowledge, character and the ability to lead successful lives.'

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

Our instructional technology plan looks to maximize the district's ability to work together with the community in preparing all students for graduation with the knowledge, character, and abilities to lead successful lives. This means using instructional technology as a tool to promote highly engaging and rigorous instruction that facilitates the development of 21st century learning skills and the ability to confront, analyze, and solve problems using multiple sources of information and approaches. It also strives to promote the development of students that are responsible members of a digital culture and society.

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.

Multiple stakeholders including building principals, district data coordinators, directors of PPS and curriculum and instruction, technology coordinators and CSA's, as well as BOCES and RIC supports were consulted electronically and personally. Each had an opportunity to contribute, edit, and suggest changes to the instructional plan to ensure that it was aligned to our district mission statement and commitment to student learning.

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.

Number of Student Devices

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.

Device inventory is not at a 1:1 roll out capable level. Limited roll out compared to inventory has limited student device interaction. This also limits staff knowledge and comfort level with devices. Because staff knowledge, expertise, ability, and comfort level is a limiting factor, our ability to provide the opportunity for meaningful, convenient and targeted PD in the use of devices and applications and assessment limits greater device and application use. As 1:1 is achieved we anticipate more load on WAP's meaning network and WAP coverage may eventually act as limiting factors. Lastly a our interactive white board inventory is beginning to exhaust their planned life spans and need replacing.

Instructional Technology Plan - Annually - 2016

Instructional Technology & Infrastructure Inventory

Page Last Modified: 07/28/2016

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?

GV/WFL Educational Technology Service (EduTech)

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 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 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: 07/28/2016

	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 type="checkbox"/> 50 Mbps - < 100 Mbps <input checked="" 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 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

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?

Yes

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: 07/28/2016

	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)	40	40
Laptops/Virtual Machine (VM)	175	175
Chromebooks	465	465
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	0	0
Totals:	680.00	680.00

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)?

0

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.

Funds to acquire class based audio visual supports, web based instructional supports for OT/PT purposes, web based instructional supports, and large screen tablets would ensure student instructional access.

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

	Number of devices in use
Document Cameras	20
Flat Panel Displays	0
Interactive Projectors	0
Interactive Whiteboards	6
Multi-function Printers	7
Projectors	6
Scanners	30
Other Peripherals	0
Totals:	69.00

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

(No Response)

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

Yes

Instructional Technology Plan - Annually - 2016

Instructional Technology & Infrastructure Inventory

Page Last Modified: 07/28/2016

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?

300

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?

No

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: 07/28/2016

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	Yes
Windows 7.0	Yes
Windows 8.0 or greater	No
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."**

Linux

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.**

GradPoint 2.0

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

GAFE, MicroSoft Office Suite, Acitve Inspire, iReady, GradPoint

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

(No Response)

Instructional Technology Plan - Annually - 2016

Software and IT Support

Page Last Modified: 07/28/2016

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
Senior CSA	0.50
CSA	0.50
Secondary Principal/Technology Coordinator	1.00
	2.00

Instructional Technology Plan - Annually - 2016

Curriculum and Instruction

Page Last Modified: 07/28/2016

E. Curriculum and Instruction

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

The district continues to support curriculum mapping, DDI, and assessment via eDoctrina. We look to continue to expand capacity of blended learning models via GAFE. Implementation of the Parent Portal and planned roll out of the Student Portal via SchoolTool should increase communications. Castle Learning Quizlitt, ProblemAttic, and Kahoot have been providing frequent formative assessment and data. RazKids, iReady, and myDojo have been used to support instruction. OneCallNow is our current all call system but we're looking to transition to Blackboard or SchoolConnect via WFL. Networking and cloud capabilities have us planning to pilot online teacher coaching through Better Lesson.

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.

Blended learning and online instructional tools allow greater access to course materials through a variety of settings and times and in a variety of ways to suit all learners.

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.

The district employs hearing assistance technology for students and those assistive technologies are written into the plan. The plan also accounts for large screen tablets instructionally with some students with disabilities, as well as interactive apps for said tablets that may assist learning and OT/PT practices. The plan also accounts for planned 1:1 device rollout inclusive of students with disabilities.

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: 07/28/2016

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.**

Using knowledgeable staff in a 'turn key' model as well as a 0.5 FTE curriculum director from Genesee Valley Educational Partner Ship we will offer staff development via conference days, faculty meetings, and afterschool or during school professional development session throughout the year. These opportunities will provide direct instruction and opportunity for application of Google Classroom, GAFE, EDoctrina, and other applications and soft-wares that allow immediate formative assessment, access to state aligned curricula, and highly engaging and rigorous instruction. Teachers will be afforded similar opportunities over the course of the summer through the GVEP BOCES PD coser. Lastly using a limited rollout of BetterLesson to provide 8 teachers one to one coaching through an online model.

- 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
Curriculum Support (GVEP)	0.40
	0.40

Instructional Technology Plan - Annually - 2016

Technology Investment Plan

Page Last Modified: 07/28/2016

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: 07/28/2016

	Anticipated Item or Service	Estimated Cost	Is Cost One-time, Annual or Both?	Funding Sources May choose more than one source
1	Chromebooks	8,000	Annual	<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 checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
2.	Interactive Displays/Projectors/Whiteboards	100,000	One Time	<input checked="" 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.	Instructional Software	21,000	Annual	<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
4.	Professional Development	10,000	Annual	<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
5.	Other	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
Totals:		1,139,000.00		

Instructional Technology Plan - Annually - 2016

Technology Investment Plan

Page Last Modified: 07/28/2016

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

Security Upgrades include our fire and door automation systems, electronically controlled entrance ways, possible shift to programmable RIFD internal doors, installation of Raptor system for screening of visitors, and replacing analog camera systems with IP camera systems.

Instructional Technology Plan - Annually - 2016

Status of Technology Initiatives and Community Involvement

Page Last Modified: 07/28/2016

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

1a. Please specify if response to question one was other.

Changes in learner brain physiology, preferred learning styles, culture, and communication skills as well as the changing needs of the 21st century job market have impacted instructional and technological shifts.

District recently reorganized structure to a 7-12 secondary and a K-6 Elementary. One building houses both 7-12 MS/HS and 4-6 Intermediate school. Other building houses PK-3 and has sections no longer in use.

2. In this section, please describe how the district plans to increase student and teacher access to technology, at home and in the community.

The district will continue to roll out Chromebooks, tablets, and other resources for class instruction. The district will progress towards 1:1 device coverage for instructional purposes. The district will research and possibly procure mobile charging stations for such devices. The district will continue to develop its wireless infrastructures to accommodate this. The district will examine its wireless use policies for staff and students to increase access as well. The district will look to expand opportunities for community use of technology for school related functions such as college application, FAFSA completion, summer reading programs and library hours, summer instructional programs, etc...The district has opened Parent Portal and will open Student Portal on SchoolTool. The district will continue to use web-based instructional applications iReady and GradPoint accessible at home by students, as well as web-based benchmark and progress monitoring applications. The district will also look to increase its AV media capabilities and look to engage faculty, staff, students, and community members through those capabilities. The district will continue to maintain and increase its capacity to use interactive white board technologies through the purchase and maintenance of Promethean boards, peripherals, and software, or that of analogous technologies. The district will use the WFL BOCES and Edutech services in pursuit of these goals.

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.

Free Library and other municipal locations, Businesses, Home.

Instructional Technology Plan - Annually - 2016

Instructional Technology Plan Implementation

Page Last Modified: 07/28/2016

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.**

July 2016: Reevaluate ITP Survey. Change as needed. Submit to stakeholders, edit, and submit to Edutech. Finalize hard inventory of chrome devices, pull them back in for cleaning. Plan for and execute possible purchase of chrome devices. Obsolete and dispose of old equipment. Use technology to support learning and combat regression in students during Summer Academy. Use GradPoint to begin credit recovery efforts for students that passed Regent Exam but failed class.

August 2016: Install new desktops in CAD lab. Install new laptops in Dalton. Determine chrome 1:1 roll out plan and an AUP to accompany roll out. Coordinate with multiple vendors for interactive whiteboard demo units. Plan FAFSA nights, College App Nights, set up StudentPortal. Determine cost and need of automation and security system updates. Implement new communications suite enabling mass SMS and email messaging to parents, as well as calling. Audit rights and privileges within SchoolTool for student data security and privacy. Convert library from Mandarin to Follett.

September 2016: Roll out chrome devices as limited 1:1. Begin trials of multiple interactive whiteboard options. Continue professional development support in GAFE, eDoctrina, and iReady. Use iReady as instructional diagnostic and support. Implement online teacher coaching for 8 instructors focusing on STEM area teachers, instructional practice, and blended learning using 21st century strategies. Formulate and finalize plan for security and automation updates. Assess and implement technology such as GradPoint to support instruction and prep students for January Regents exams. Begin writing plan regarding internet cybersecurity.

October 2016: Host open house with open enrollment for Parent Portal. Work with Edutech to begin assessing needed upkeep and updating on wireless network and VM ware. Determine best method to bring off campus bus garage on domain. Assess results of interactive whiteboard trials.

November 2016: Use results of interactive whiteboard trials and plans and estimates for security and automation updates to begin writing SSIP.

December 2016: Submit SSIP to state including interactive white board refresh as well as security and automation updates and reconfigurations.

January 2017-June 2017: Continue PD efforts. Provide opportunities for parents to come in and use tech resources for college and financial aid applications. Begin planning for instructional and tech needs for upcoming school year.

Instructional Technology Plan - Annually - 2016

Monitoring and Evaluation

Page Last Modified: 07/28/2016

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.**

July 2016: Tech Coordinator reviews old plan, assess, and updates new plan. Submits to stakeholders. Stake holders provide input, tech coordinator makes necessary revisions, submits to Edutech. Edutech proofs, plan submitted to NYSED. Tech Coordinator works daily with CSA’s.

September-June 2016: Tech Coordinator continues monthly meetings of Tech Committee, Senior CSA continues to attend JTG.

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

	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	(No Response)	2012
Internet Safety/Cyberbullying*	Tentative 10/6/2016	2012
Parents' Bill of Rights for Data Privacy and Security	(No Response)	2015

Instructional Technology Plan - Annually - 2016

Survey Feedback

Page Last Modified: 07/28/2016

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?**

None

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

None

5. **Other comments.**

None

Instructional Technology Plan - Annually - 2016

Appendices

Page Last Modified: 07/28/2016

Appendices

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

(No Response)