

**A. LEA Information**

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

538

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

	Enrollment
Grades K-2	114
Grades 3-5	117
Grades 6-8	127
Grades 9-12	180

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

Jan Jehring

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

Superintendent

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

(No Response)

### B. Instructional Technology Vision and Goals

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

District Mission Statement

It is the mission of the Argyle Central School District to provide a program, which will enable its students to acquire the skills, knowledge and values necessary to become responsible citizens. In a positive atmosphere conducive to creative and critical thinking, each student is provided with sound educational experiences which foster the development of a strong moral character and self-concept.

Technology Mission Statement

Realizing that technology is an integral part of today's society, it is the mission of the Argyle Central School District to provide meaningful experiences and training for its students, staff, and community.

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

The Argyle Central School Technology Plan continues a process of expanding learning opportunities and transforming the educational program to promote a dynamic learning culture. Over the last 10 years, the district has installed interactive white boards in every classroom, established wi-fi capability throughout the building, implemented an individualized learning plan for students in grades k-6 in math, installed a distance learning lab to expand electives, and offered technology pilot projects to teachers.

Currently the district is undergoing a capital project that will upgrade facilities and consideration will be given to prepare and support an expanded use of technology. The plan is to continue to transform the educational program to take advantage of digital tools. Since we are a small, rural school, the goal is to increase opportunities for our students so they have comparable learning experiences, exposure to careers and academic opportunities as students from other areas.

We will focus on the following three main goals to integrate technology.

1. Build capacity to utilize technology

- Expand connectivity and speed throughout the building.
- Expand access by opening building before and after school. Washington County does not have access to broadband in all communities and areas.
- Acquire appropriate devices for the initiatives.
- Provide appropriate technical support.
- Pilot project of Google Applications for Education (2015-16).
- Conduct an audit of cyber security.

2. Provide professional development and learning opportunities to implement a comprehensive integration of technology to support effective instructional practice.

- Provide professional development to the administrative team to lead the district in digital transformation.

The team attended the ISTE Conference to develop priorities for the district.

- Develop shared vision of a digital education. On September 9, 2015, Eric Sheninger, a national leader in digital education, will provide this workshop: Digital Leadership: Changing Paradigms for Changing Times to assist the district in understanding the applications of technology in education.
- Training in Google Applications for Education will be provided throughout the year.
- The district will utilize social media to enhance communication. Meetings and training on Twitter will be provided.
- Training on utilizing the website for homework will be established for the district.
- Training will be held throughout the year on classroom and instructional strategies using digital tools.

3. Provide learning opportunities for all students to utilize technology to create and promote a digital age learning culture of rigor and relevant education. Implementation schedule:

2015-16

- Continue individualized learning plans for students in grade K-6.
- Continue/expand distance learning opportunities.
- Conduct lessons in digital citizenship.
- The following pilot technology projects will be launched:
  1. Paperless and semi-flipped Pre-calculus /Calculus class
  2. Monitoring Earth's Systems using ipads
  3. Writing Project in Fourth Grade
  4. Project Independence- Laptops and ipads will be used in special education classes to promote student engagement and independence in learning.
  5. Heart Rate Monitor and Pedometer Integration into Physical Education
  6. Design and Drawing for Production 1 to 1 with Rapid Prototyping

2016-17

- Implementation of 1:1 initiative in four grades
- Continuation of selected pilot projects
- Implementation of Google Applications for Education district-wide

2017-18

- Implementation of 1:1 initiative in four additional grades.

**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 instructional technology plan is updated annually by the Technology Committee. The Technology Committee is made up of teachers from all levels, administrators, library media specialist, and technology personnel, more than half of whom also live in the district and whose children have attended or are currently attending school in the district. This committee has regularly scheduled quarterly meetings, with additional meetings throughout the year as needed. The Technology Committee has been active for several years and has been instrumental in developing the initiatives for the district based on input not only from the faculty and staff, but also from feedback from community members from school board meetings, website & email submissions, and face-to-face personal conversations.

During the 2014-15 school year, the Technology Committee met and reviewed several items, including expansion of laptop carts in the secondary program, scheduling of iPads in the elementary school so all students have access to individualized instruction in math a minimum of 3 times per week, and planning for technology pilot programs for the 2015-16 school year. The committee also arranged a national speaker on digital education to kick-off the initiatives to utilize technology to enhance the educational program. In preparation for the SMART School Bond Act, the committee prepared and utilized a survey for faculty and staff to help assess priority areas. Administrators attended local, regional and national workshops on the integration of technology into education.

October 8, 2014- Technology Committee Meeting. Review technology plan and identify areas of concern.

December 3, 2014- Technology Committee Meeting.

December 12, 2014- Technology Awareness Day. Members attended to increase awareness of new applications in education.

February 3, 2015- PTSA meeting and presentation on cyber-security

March 19, 2015- Technology Committee Meeting

April 29, 2015- SMART Schools Conference NYSCOSS. This workshop helped establish vision for digital education.

May 1, 2015- BOCES Meeting SMART Schools

May 28, 2015- Kick-off meeting for Tech Pilot Projects. Introduced the vision and established classroom initiatives for educators to try out new educational applications using technology.

May 28, 2015- On-line survey of teachers to identify gaps.

June 2015- Training in Google Applications for Education at BOCES.

June 17, 2015- Interviews for Tech Pilot Projects. Determine the scope of projects.

June 25, 2015- Announcement of Tech Pilot Projects for 2015-16

June 29-July 1- Administrators attended ISTE Conference to set goals for district.

July 20, 2015- Met with BOCES to review instructional goals, professional development for Google Applications for Education, and timeline for 1:1 implementation.

Each of these events has helped establish a vision for transforming the district to utilize technology to provide a relevant and innovative educational program. The items below are planned activities for 2015-16.

2015-2016 School Year Plans

The committee will continue to evaluate the pilot projects and plan for 1:1 implementation.

Professional development will occur throughout the year to transition to Google Applications for Education and instructional applications.

A cyber-security audit will occur.

2016-2017 School Year Plans

Plans will be made to share an educational technology leader among some schools in Washington County.

Plans will be made to increase tech support in the District to manage the new initiatives.

**4. Please provide the source(s) of any gap between the current level of technology and the district's stated vision and goals.**

- Connectivity (Checked)
- Device Gap (Checked)
- Network (Checked)
- Professional Development (Checked)
- Staffing (Checked)

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

(No Response)

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

The top three challenges that are causing the gap between the district's current level of technology and its stated vision and goals are connectivity, staffing, and device gap.

**C. Technology and Infrastructure Inventory**

1. **What is the available network broadband bandwidth? Please express speed in Mb (Megabits) or Gb (Gigabits). \***

	Minimum Capacity (Expressed in Mb or Gb)	Maximum Capacity (Expressed in Mb or Gb)
Network Bandwidth: Incoming connection TO district schools (WAN)	100 Mb	1Gb
Internal Network Bandwidth: Connections BETWEEN school buildings (LAN)	100 Mb	1 Gb
Bandwidth: Connections WITHIN school buildings (LAN)	100 Mb	1 Gb

2. **What is the total contracted Internet access bandwidth for your district? Please express speed in Mb (Megabits) or Gb (Gigabits).**

40 Mb

3. **What is the name of the agency or vendor that your district purchases its primary Internet access bandwidth service from?**

NERIC

4. **Which wireless protocols are available in the district? Of these, which are currently in use? Check all that apply.**

	Available/In Use
802.11a	Available (Checked)
802.11b	Available (Checked)
802.11g	Available (Checked) In Use (Checked)
802.11n	Available (Checked) In Use (Checked)
802.11ac	(No Response)
802.11ad	(No Response)
802.11af	(No Response)

5. **Do you have wireless access points in use in the district?**

Yes

5a. **What percentage of your district's instructional space has wireless coverage?**

100

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

Yes

7. **What is the port speed of the switches that are less than five years old in use in the district?**

1 Gb

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

	Number of devices in use that are less than five years old	How many of these devices are connected to the LAN?
Desktop computers/Virtual Machine (VM)	322	322
Laptops/Virtual Machine (VM)	72	72
Chromebooks	0	0
Tablets less than nine (9) inches with access to an external keyboard	0	0
Tablets nine (9) inches or greater with access to an external keyboard	0	0
Tablets less than nine (9) inches without access to an external keyboard	0	0
Tablets nine (9) inches or greater without access to an external keyboard	145	145
<b>Totals:</b>	539.00	539.00

**9. Of the total number of students with disabilities in your district, what percentage of these students are provided with assistive technology as documented on their Individualized Education Programs (IEPs)?**

15

**10. From your technology needs assessment, please describe any additional assistance or resources that, if provided, would enhance the district's ability to provide improved access to technologies, including assistive technologies, for students with disabilities.**

Argyle Central School offers continuous professional development and e trainings for staff members, so they are current on best practices not only in special education, but also regular education. These types of trainings allow the district access to new and upcoming technologies, and provide staff members with new ways to help students with disabilities find success throughout their schooling. That said, increased access to mobile devices (and to the wide variety of learning applications available for them) would greatly improve our ability to deliver individualized programs to our students with disabilities. We have seen successes when we have utilized these technologies, but there have not been enough devices to go around. Additionally, increased professional development would not only improve our usage of the technologies, but also allow us more exposure to best practices and to new and improved assistive technologies.

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

	Number of devices in use that are less than five years old
Document Cameras	1
Flat Panel Displays	0
Interactive Projectors	0
Interactive Whiteboards	1
Multi-function Printers	0
Projectors	4
Scanners	3
Other Peripherals	0
<b>Totals:</b>	9.00

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

(No Response)

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

No

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

No

14a. **On an average school day, approximately how many student devices access the district's network?**

(No Response)

15. **Has the school district provided for the loan of instructional computer hardware to students legally attending nonpublic schools pursuant to Education Law, section 754?**

Not Applicable



**D. Software and IT Support**

**1. What are the operating systems in use in the district?**

	Is this system in use?
Mac OS Version 9 or earlier	No
Mac OS 10 or later	No
Windows XP	No
Windows 7.0	Yes
Windows 8.0 or greater	No
Apple iOS 7 or greater	Yes
Chrome OS	No
Android	No
Other	No

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

(No Response)

**3. What are the web browsers, both available and supported, for use in the district?**

	Web Browsers available and supported for use
Internet Explorer 7	No
Internet Explorer 8	No
Internet Explorer 9 or greater	Yes
Mozilla Firefox	Yes
Google Chrome	Yes
Safari (Apple)	Yes
Other	Yes

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

Opera

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

eSpark

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

Compass Learning, STAR Reading, STAR Math, Accelerated Reader, STAR Early Literacy, Google Apps for Education

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

(No Response)

**8. Does the district have a Parent Portal?**

Yes

**8a. Check all that apply to your Parent Portal if the response to question eight is "Yes."**

- Attendance (Checked)
- Homework (Checked)
- Student Schedules (Checked)
- Grade Reporting (Checked)

**8b. If 'other' was selected in question eight (a), please specify the other feature(s).**

Not applicable

**9. What additional technology-based strategies and tools, besides the Parent Portal, are used to increase parent involvement?**

Website (Checked)

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

(No Response)

**10. Please list title and FTE count (as of survey submission date) of all staff whose primary responsibility is technical support.**

Title	Number of Current FTEs
Computer Coordinator	1.00
BOCES Shared LAN Tech	0.20
	<b>1.20</b>

**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 transform the educational program. We will build upon our current access and expand into 1:1 initiatives. At this time the individualized instruction that is provided by utilizing technology has benefited our students in our elementary program to gain math skills specific to their academic needs. We are expanding our use of technology through the use of technology pilots in which teachers made formal applications to utilize new technology for the 2015-16 school year. We are hopeful this broad array of technology applications will assist the technology team in making recommendations for the future. There will be two 1:1 initiatives during the 2015-16 school year. One will be in a college calculus class and another in a technology class utilizing a makerspace and Solidworks. Having 1:1 capability will change the way students are engaged in the material. Two secondary special education support classes will utilize 1:1 initiatives to foster independence. In a junior high science class students will use technology to learn more about the Earth's systems including going to the National Earth Information Center and viewing current earthquake data. In elementary school a classroom based project in writing using technology to improve writing skills will be implemented.

In addition the district will pilot Google Applications for Education for a school wide implementation during in 2016-17. This will allow our students to have access to email and document storage which will also assist the district in moving to a paperless learning environment.

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

Yes

**2a. If "Yes", please specify.**

Students with disabilities are given equal access to technology. In addition, students with disabilities have additional technology strategies written into their IEPs, if it has been determined by the Committee of Special Education. During the 2015-16 school year, two special education teachers submitted a pilot technology project to expand options for the students on their caseload. The teachers will have ipads and chromebooks in their classrooms to use with students to help foster independence. The pilot project will assist the district in understanding the best use of technology to support students' academic growth.

**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 continually being looked at to assist students with disabilities. In the past academic year, students utilized technology to allow for one student to communicate and for another student (who is visually impaired) to have the tools for enlargement. Since technology is continually changing, the faculty has attended workshops to learn the options that are available.

The district encourages all students to participate in the general curriculum. Applications in technology are helping to break down the barriers and allowing more students to participate in the general program. The Committee on Special Education will continue to make it a priority to provide new technology applications to assist students.

**F. Professional Development**

- 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.**

The Technology Committee and the Professional Development Team have collaborated to create professional development opportunities to meet all personnel at their current level of expertise and expose and expand the knowledge base of all faculty and staff to create a shared vision of digital education. Here is a table of the learning/professional development activities planned for the District.

Schedule	Topic/Learning Activity
Spring 2015	Smart Schools Bond Act Informational meeting by NYSCOSS
Spring 2015	Smart Schools Bond Act Information meeting by BOCES
Spring 2015	K-12 Faculty Meeting to introduce Technology Pilot Programs
Spring 2015	Review & selection of Pilot Projects for 2015-16
Spring 2015	Faculty & Staff attended Google Boot Camp at BOCES
Spring 2015	ISTE Conference. School Personnel attended to increase exposure to opportunities.
Fall 2015	Eric Schenninger will present to Faculty & Staff Digital Leadership=Changing Paradigms for Changing Times.
Fall 2015	Weekly support for Webpage updates. All faculty are expected to have weekly updates on their webpages. The District has added a BOCES Media support 1 day a week to assist the District to support website.
Fall 2015	Professional Development for Twitter
Fall 2015	Launch of Google Applications for Education presented by David Ashdown, BOCES
Fall 2015	K-12 Faculty meeting – Technology updates
Winter 2016	After school sessions to support technology initiatives
Winter 2016	Faculty will attend workshops at BOCES regarding Google and 1:1 initiatives
Winter 2016	K-12 – 1:1 Initiatives for 2016-17
Spring 2016	Professional Development/Training in 1:1
Summer 2016	Training for 1:1 implementation
School year 2016-17	Ongoing support for teachers
Spring 2017	Expansion of 1:1 to 4 additional grades. Training for faculty
Summer 2018	Training for 1:1 implementation
School year 2017-18	Support of implementation of 1:1 to grades 4-12 Support tech applications of K-3

- Please list title and FTE count (as of survey submission date) of all staff whose primary responsibility is technology integration training and support for teachers.**

# ARGYLE CSD

## Instructional Technology Plan - Annually - 2015

Professional Development

Status Date: 03/30/2015 10:28 AM

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Title	Number of Current FTEs
Shared Lan Technician	0.20
Director of Technology	1.00
	<b>1.20</b>

**G. Technology Investment Plan**

1. Please list the top five planned technology investments in priority order over the next three years.

	Anticipated Item or Service	Estimated Cost	Is Cost One-time or Annual	Potential Funding Source (May list more than one source per item.)
1	Staffing	80,000	Annual	Budget
2	Professional Development	30,000	Annual	Title II, Rural Education Grant
3	Wi-Fi	60,000	One Time	Budget, SMART Schools
4	Laptops	50,000	One Time	Budget, SMART Schools
5	Tablets	150,000	One Time	Budget, SMART Schools
<b>Totals:</b>		370,000.00		

2. If "Other" was selected in question one, please specify.

(No Response)

### H. Status of Technology Initiatives and Community Connectivity

1. **Please check any developments, since your last instructional technology plan, that affect the current status of the technology initiatives.**

Changes in Funding (Checked)  
Developments in Technology (Checked)

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

(No Response)

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

The Technology Committee has recognized connectivity as a major obstacle. A survey to faculty confirmed this barrier. During the 2015-16 school year the District will discuss/pilot strategies to increase access to technology for students by opening school early, having supervision in the building after school, allowing students more access to technology throughout the day during the lunch period and study halls. It is our belief that with the introduction of a 1:1 initiative, students will have the opportunity to utilize their time during the day to complete assignments.

A survey on connectivity is being conducted in Washington County during the summer of 2015. We are hopeful the results of the survey will help bring widespread connectivity to the community. In the building we will increase access by continuing to install access points as necessary. At this time the instructional areas and the large spaces are covered with wi-fi capability. Connectivity in the office areas will be expanded as needed during the 2015-16 school year.

The district is in the process of proposing a capital project. In the building project, special emphasis will be on supporting docking stations, wireless, security and other items to facilitate connectivity.

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

School (Checked)

- 3a. **Please identify categories of available Wi-Fi locations within the community.**

(No Response)

I. Instructional Technology Plan Implementation

1. Please provide the timeline and major milestones for the implementation of the instructional technology plan as well as the action plan to integrate technology into curriculum and instruction to improve student learning.

Schedule	Topic/Learning Activity
Spring 2015	Pilot Technology Projects announced
Summer 2015	<ul style="list-style-type: none"><li>• Preparation for Pilot projects</li><li>• Preparation for Pilot of Google Applications for Education</li><li>• Introduction of Twitter as communication tool</li><li>• Support of Website as educational tool</li></ul>
Fall 2015	<ul style="list-style-type: none"><li>• National speaker on Digital Education kick off of Technology vision</li><li>• Implementation of Pilot Projects</li></ul>
School year 2015-16	<ul style="list-style-type: none"><li>• Training for teachers on Google Applications for Education</li><li>• Preparation for 1:1 roll-out for grades 9-12</li><li>• Evaluation of Pilot projects</li><li>• Plan for expansion of 1:1 implementation to grades 4-8</li></ul>
Summer 2016	<ul style="list-style-type: none"><li>• Professional Development for teachers part of the 1:1 roll-out</li><li>• Parent/student meeting for 1:1 implementation</li></ul>
Spring 2017	<ul style="list-style-type: none"><li>• Training for 1:1 expansion to grades 4-8</li></ul>
Summer 2017	<ul style="list-style-type: none"><li>• Building project upgrades to support new technology</li><li>• Professional development for faculty in grades 4-8 for 1:1 implementation</li><li>• Professional development for K-3 faculty utilizing technology applications</li></ul>
2017-18	<ul style="list-style-type: none"><li>• 1:1 implementation in grades 4-12.</li><li>• Increased use of digital tools in grades K-3</li></ul>



**J. Monitoring and Evaluation**

- 1. Please describe the proposed strategies that the district will use to evaluate, at least twice a year, the effectiveness of the implementation of the district's instructional technology plan to improve teaching and learning.**

The Argyle Central School Technology Committee will be monitoring and evaluating the effectiveness of the implementation of the instructional technology plan. The following areas will be monitored:

1. The implementation of the technology pilot projects. Each project has its own evaluation plan. Each of the technology pilots has evaluation measures. Student engagement will be measured by feedback, student performance and teacher feedback. All of the pilot projects will have a mid-year and end-of the year meeting with a subcommittee of the Technology Committee.
2. Review the implementation schedule and monitor the professional development activities. The implementation schedule submitted will be monitored mid-year and at the end of the year by the Technology Committee. The Professional Development calendar will be monitored by the administrators and the Professional Development Team. Participation records will be kept to assess utilization.
3. Periodic Surveys of the Faculty. The Technology Committee has recognized that on-line surveys are a quick, accurate way to gather specific data to help determine a course of action. A short survey was prepared and administered at the end of the year. The goal was to see how the process of the on-line survey works. An account has been established and a short survey created to gather more information about connectivity at home for our teachers. We anticipate two surveys per year. The Technology Committee will be designing the tool to try and capture the necessary information to move forward.
4. Periodic Student Surveys. A student survey will be created to assess connectivity at home and connectivity at school including which options (extended day, before school, or lunch time access) students may utilize. Feedback from students participating in the pilot projects will also be collected. This feedback will help the district determine the devices utilized in a school-wide 1:1 deployment.
5. Periodic Parent Surveys. Parent surveys will be utilized to prepare for the 1:1 deployment.
6. K-12 Faculty Meetings. Meetings will be a critical aspect of continuing to build the vision and make decisions for the transformation to a digitally based school. This process will be over the next three years. Regular meetings will be critical in professional development and school-wide decisions.
7. Increased Accessibility. This area will be measured in a number of ways. The Technology Committee will monitor the sign-out logs of the laptop carts, ipad carts, and computer labs. In addition, the data regarding the number of students enrolling in distance learning classes and on-line classes will be collected. Both of these types of classes have improved access to more electives. It is critical to monitor the enrollment to determine expansion. The evaluation and monitoring will be measured anecdotally, through the above measures and by monitoring student achievement. The academic performance of the district is reviewed annually and goals are established. That process will continue. The Technology Plan will be used as a guide to move forward to a digitally based, relevant, and rigorous program.

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

	Date of Public Forum (If applicable)	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	(No Response)	www.argylecsd.org	2006
Internet Safety/Cyberbullying	08/13/2015	www.argylecsd.org	2006
Parents' Bill of Rights for Data Privacy and Security	(No Response)	www.argylecsd.org	2015

- 3. Does the district have written procedures in place regarding cybersecurity?**

Yes

**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

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

(No Response)

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

Yes

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

(No Response)

**3. What question(s) would you like to add to the survey? Why?**

(No Response)

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

(No Response)

**5. Other comments.**

(No Response)

**Appendices**

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

(No Response)