

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	394	25	94	84	78	112	1

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

Krislynn Dengler

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.

Principal

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Instructional Technology Vision and Goals

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B. Instructional Technology Vision and Goals

1. Please provide the district mission statement.

The mission of South Kortright Central School is to aggressively provide all students, in an environment that is caring and challenging, the diversity of experiences to gain the skills and attitudes necessary for the lifetime acquisition of knowledge, aesthetics and ethics. These experiences will ensure the best quality of life for the students and their community. This mission will be fulfilled by an empowered school and community working together to develop and continually assess an educational program which utilizes a wide variety of learning strategies, experiences and support services to enable our students to be productive, contributing members of society.

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

Executive Summary: The plan is comprehensive to include all students and strives to prepare them for college and career readiness, employing the use of 21st Century Skills.

Vision and Goals:

Improve Communications among Administration, Staff, Students, and Parents; Improve Communications Concerning Classroom Activities, Expectations, and Grades between Teachers and Parents; Assist Students and Teaching Staff in the Development of Skills Which Expand the Use of Technology in the Classroom; Expand the Electronic Access capabilities of the library; Expand the utilization of technology to assist Students with Disabilities; Improve and Maintain network data integrity; Evaluate and Update School Computers, Hardware, and Software and provide regular technical support, administration, and maintenance; Assess users perception of technological needs in the District Assess users perception of the District's technological status; Explore new uses of technology to enhance education; Explore viable new technologies; access or acquire as need and feasibility is determined; Explore the availability of high quality Online High School and College Courses and implement where feasible.

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 principal, network specialist, teacher representative, and two other teachers with computer knowledge met multiple times to create the plan.

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.

Funding

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.

Funding is related to all gaps present.

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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?

Level 3 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 Gpbs or Mpbs
Minimum Capacity	<ul style="list-style-type: none"> <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 Capacity	<ul style="list-style-type: none"> <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

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?**

1

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)	101	101
Laptops/Virtual Machine (VM)	73	73
Chromebooks	0	0
Tablets less than nine (9) inches with access to an external keyboard	4	4
Tablets nine (9) inches or greater with access to an external keyboard	1	1
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:	179.00	179.00

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)?

1

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.

Funding for additional staff and technology.

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

	Number of devices in use
Document Cameras	7
Flat Panel Displays	5
Interactive Projectors	0
Interactive Whiteboards	36
Multi-function Printers	5
Projectors	10
Scanners	10
Other Peripherals	10
Totals:	83.00

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

10 Digital cameras

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

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Instructional Technology & Infrastructure Inventory

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

1

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

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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	No
Windows XP	Yes
Windows 7.0	Yes
Windows 8.0 or greater	No
Apple iOS 7 or greater	Yes
Chrome OS	No
Android	Yes
Other	No

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

NA

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	Yes
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."**

NA

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.**

None

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

STAR Renaissance Learning, Reflex Math, IXL, Microsoft Office, Keyboarding without Tears

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

EBSCO Host, Scholastic, OCLC First Search, GALE Virtual Reference Library, Academic Onefile

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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".

Digital Media Display

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 Specialist	0.50
	0.50

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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?

Use of interactive whiteboards to involve students in inquiry learning, internet sources to complete research, use of powerpoint, prezzi and other interactive presentation models, and online assessments to track learning. New this year will be a pilot program using google school with a small number of teachers.

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

Yes

2a. If "Yes", please provide detail.

Audio materials are provided for students. Keyboarding is used to replace handwriting, programs are used for drill practice, and voice to text software is used for dictation. Audio amplification system for students with hearing disabilities.

3. Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?

Yes

3a. If "Yes", please provide detail.

Students with disabilities are provided with assistive technology as per their IEPs.

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).

We do not currently have any ELL students, but would provide any necessary technology needs when they arise.

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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.**

BOCES offered professional development onsite and off site on various aspects including use of websites, online web quests, presentation models, and search engines. SK staff members offered workshops on coding bots, 3-D printers, and near pod use.

- 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
BOCES Staff Developer	0.20
	0.20

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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	Wi-Fi	40,000	One Time	<input type="checkbox"/> BOCES Co-Ser Purchase <input type="checkbox"/> District Operating Budget <input checked="" 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.	Switches	10,000	One Time	<input type="checkbox"/> BOCES Co-Ser Purchase <input type="checkbox"/> District Operating Budget <input checked="" 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
3.	Desktops	10,000	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
4.	Servers	8,000	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
5.	Tablets	10,000	One Time	<input type="checkbox"/> BOCES Co-Ser Purchase <input type="checkbox"/> District Operating Budget <input checked="" 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:		78,000.00		

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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.**

(No Response)

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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.

Staff may use laptops at home and students may borrow e-readers.

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.

One public library with limited hours of operation.

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Instructional Technology Plan Implementation

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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.**

Fall 2016 Encourage Teachers to use free trials of common LMS systems in the hope that their likes/dislikes drive a group decision on which to adopt. We tried Buzz last year and that did not work out. Three teachers are piloting google school beginning in September 2016 and will report to teachers throughout the year.

September 2016 New school website and additional use of social media to promote school news and events; teachers will be able to create class pages.

Spring 2017 Replace several District servers; provides consistent access for staff and students

Fall 2017 Replace wireless infrastructure; provides more regular and consistent internet access in every area of the school for remote activities.

Spring 2018 Perform comprehensive analysis of existing hardware and software applications and address deficiencies

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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.**

Stakeholders will be surveyed in March 2017 to determine the hardware, software, and professional development needs for the 2017-18 school year (similar to this past year). The technology committee will meet prior to the March roll out to devise the survey and again after the survey is collected to aid in budget discussions for the upcoming school year. Regular meetings with Network specialists, administration, and other stakeholders within district will continue on an ongoing basis on the first Monday of each month.

It is proposed that any hardware, software, and professional development will directly positively impact students and teachers by enabling teachers to use data to drive instruction, provide multiple modes for students to interact with learning materials, and provide a more efficient manner to keep education records (including lesson plans).

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

	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	http://www.skcs.org/pages/South_Kortright_Central_School/Parents	2006
Internet Safety/Cyberbullying*	http://www.skcs.org/pages/South_Kortright_Central_School/Parents	2015
Parents' Bill of Rights for Data Privacy and Security	http://www.skcs.org/pages/South_Kortright_Central_School/Parents	2006

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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)