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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	3,701	77	722	747	849	1,276	30

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

Richard Wert

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

Director of Technology

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B. Instructional Technology Vision and Goals

1.   Please provide the district mission statement.

The Hyde Park Central School District empowers our community to strive for excellence and embrace the opportunities of our globally connected world.

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

The technology plan helps guide the use of technology tools to enrich the learning environment for the Hyde Park Central School District. Current gaps in student performance are analyzed to identify focus areas. Overall the technology plan strives to build the technology skills of all staff and students.

District Vision Statement: We are confident, curious and courageous learners who change the world.

District Technology Vision: The Hyde Park Central School District ensures a flexible digital literacy environment that is adaptive and responsive, meeting the needs of all learners.

General District Goals:

1. Provide appropriate digital learning environment to improve student engagement and performance aligned with Common Core Learning Standards
2. Integrate the ISTE Standards into teaching and learning
3. Provide digital resources and instruments for administrators, teachers and students
4. Utilize and apply the ISTE Essential Conditions to highly integrate instructional technology throughout the school district

Specific Goals:

Goal #1: Improve literacy for all students

Goal #2: Gap reduction for students with disabilities and economically disadvantaged students

Goal #3: Improve overall math performance

Goal #4: Improve overall graduation rate

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 was created through a collaborative effort of community members, teachers, Board of Education representative and administrators, under the co-leadership of the Assistant Superintendent for Instruction & Personnel and the Director of Technology. The Committee reviewed current technology integration practices and formalized both short and long-term plans for the ongoing integration of technology and instruction in the Hyde Park Central School District.

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

☐ Access Points
☑ Cabling
☐ Connectivity
☑ Device Gap
☐ Network
☐ Professional Development
☑ Staffing
☐ Other
☐ No Gap Present

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

Currently there is a minimum of one LAN port in each instructional space. An additional 2-3 LAN ports per room will insure flexibility in room arrangement, as well as access for additional wired devices (interactive flast-screens).

Device Gap: insuring equal access to devices for all students. The district is working towards a goal of 1:1 devices for secondary students, and insuring a 1:3 ratio for elementary students. Currently, we are at 1:3 ratio for all grade-levels.

The Technical Services Department includes a Director, Secretary, 3 Technicians, 1 contract network specialist, and a part-time instructional support specialist. Additional staff would decrease our response time for support requests.

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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?**

   BOCES - Dutchess County

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	☐ Greater than 10 Gbps ☐ 10 Gbps ☐ 1 Gbps - < 10Gbps ☑ 100 Mbps- < 1 Gbps ☐ 50 Mbps - < 100 Mbps ☐ 10 Mbps - < 50 Mbps ☐ Less than 10 Mbps
Maximum Capacity	☐ Greater than 10 Gbps ☑ 10 Gbps ☐ 1 Gbps - < 10Gbps ☐ 100 Mbps- < 1 Gbps ☐ 50 Mbps - < 100 Mbps ☐ 10 Mbps - < 50 Mbps ☐ 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	☐ Greater than 10 Gbps ☐ 10 Gbps ☐ 1 Gbps - < 10Gbps ☑ 100 Mbps- < 1 Gbps ☐ 50 Mbps - < 100 Mbps ☐ 10 Mbps - < 50 Mbps ☐ Less than 10 Mbps
Maximum Circuit Speed Within a School Building	☐ Greater than 10 Gbps ☐ 10 Gbps ☐ 1 Gbps - < 10Gbps ☑ 100 Mbps- < 1 Gbps ☐ 50 Mbps - < 100 Mbps ☐ 10 Mbps - < 50 Mbps ☐ 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	☑ Mbps ☐ Gbps
Maximum Capacity of Switches	1	☐ Mbps ☑ 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)	475	475
Laptops/Virtual Machine (VM)	75	75
Chromebooks	2,000	2,000
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	10	10
Tablets less than nine (9) inches without access to an external keyboard	90	90
Tablets nine (9) inches or greater without access to an external keyboard	0	0
Totals:	2,650.00	2,650.00

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)?**

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.**

Better understanding by district personnel of available technologies and how best to use these with students.

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

	Number of devices in use
Document Cameras	100
Flat Panel Displays	10
Interactive Projectors	50
Interactive Whiteboards	100
Multi-function Printers	10
Projectors	50
Scanners	25
Other Peripherals	1
Totals:	346.00

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

1 - Cisco Video-conferencing camera @ FDR HS

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

400

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

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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	Yes
Windows 8.0 or greater	Yes
Apple iOS 7 or greater	Yes
Chrome OS	Yes
Android	Yes
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.**

Google Classroom
Learning.com

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

    Google Apps
    Microsoft Office
    Smart Notebook
    Adobe Creative Suite
    Learning.com

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

    Gale
    ProQuest
    BrainPop
    Pebblego
    World Book

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).**

    Bus information, Immunizations, assessments

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
Director	0.10
Secretary	0.30
Network Specialists (3)	2.70
	3.10

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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 teaching and learning in the following ways that are linked to student performance gaps and ISTE standards:

1. Provide students with multiple and varied formative and summative assessment aligned with content and technology standards and use resulting data to inform instructional design.
2. Provide instruction in a technology-enriched environment that enables students to become active participants in setting goals and assessing their progress over time.
3. Customize and personalize learning activities to address students' diverse learning styles, working strategies and abilities.
4. Engage students in exploring real-world issues and in solving authentic problems.
5. Use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions.

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.

The District Instructional Technology Plan includes structures that defines how access to instruction, materials and assessments are inclusive of special needs students:
• improve access to technology for all
• CSE committee review of Assistive Technology needs for individual students
• technology inventory identifies devices/resources for assistive needs
• Department Secretary manages resource inventory, tracks equipment malfunctions and manages repair queues so students have minimal disruptions to assigned resources

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 Instructional Technology Plan includes structures that defines how appropriate technology resources will be assigned to students to support their learning:
• Committee on Special Education (CSE) review of individual student needs with regards to assistive technology
• Assistive Technology Evaluations (through local BOCES)
• Equipment/Software loan to individual students
• Communication protocol when working with families about technology resources
• Existing BOE and Technology policies regarding use of resources
Additional considerations:
• budgeted funds allocated for assistive technology
• resource inventory identifies assistive technology items
• inventory tracking of equipment/software disbursement

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

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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 District Instructional Technology Plan includes structures that defines how appropriate technology resources will be assigned to English Language Learner students to support their learning:
- Classroom and ELL staff review of individual student needs with regards to assistive technology
- Assistive Technology Evaluations (through local BOCES)
- Equipment/Software loan to individual students
- Communication protocol when working with families about technology resources
- Existing BOE and Technology policies regarding use of resources

Additional considerations:
- budgeted funds allocated for assistive technology
- resource inventory identifies assistive technology items
- inventory tracking of equipment/software disbursement

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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.**

Topic	Audience	Delivery Method
Google Apps for Education (include Classroom, Docs, Sheets, Slides, Forms, Gmail, Research)	All staff	Face-to-face, internet driven online solution. Multiple sessions
Chromebooks - Awareness	All staff	Face-to-face; self-paced using online solution
Chromebooks in the Classroom - Awareness	All staff	Face-to-face, online solution
Selected online application trainings: (including Flubaroo, FitnessGram, SmartMusic, VoiceThread, etc)	Teachers	Face-to-face, online solution
NWEA-MAPS testing protocols	Teachers/TA's/Admins	Face-to-face, online solution
Application Showcase	All staff	Face-to-face
Video in the Classroom	All staff	Face-to-face, online solution
Internet Safety	Students/Parents/Staff	Face-to-face
1:1 Classroom environments	Teachers	Face-to-face

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
Director of Technology	0.40
Network Specialist [3]	0.30
Librarians	0.60
	1.30

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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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	Anticipated Item or Service	Estimated Cost	Is Cost One-time, Annual or Both?	Funding Sources May choose more than one source
1	Chromebooks	750,000	One Time	☐ BOCES Co-Ser Purchase ☑ District Operating Budget ☐ District Public Bond ☐ E-Rate ☐ Grants ☐ Instructional Material Aid ☐ Instructional Resources Aid ☑ Smart Schools Bond Act ☐ Other
2.	Interactive Displays/Projectors/Whiteboards	1,500,000	One Time	☐ BOCES Co-Ser Purchase ☑ District Operating Budget ☐ District Public Bond ☐ E-Rate ☐ Grants ☐ Instructional Material Aid ☐ Instructional Resources Aid ☑ Smart Schools Bond Act ☐ Other
3.	Network Cabling	250,000	One Time	☐ BOCES Co-Ser Purchase ☐ District Operating Budget ☐ District Public Bond ☐ E-Rate ☐ Grants ☐ Instructional Material Aid ☐ Instructional Resources Aid ☑ Smart Schools Bond Act ☐ Other
4.	Broadband	100,000	Annual	☑ BOCES Co-Ser Purchase ☑ District Operating Budget ☐ District Public Bond ☐ E-Rate ☐ Grants ☐ Instructional Material Aid ☐ Instructional Resources Aid ☐ Smart Schools Bond Act ☐ Other
5.	Professional Development	100,000	Annual	☑ BOCES Co-Ser Purchase ☑ District Operating Budget ☐ District Public Bond ☐ E-Rate ☑ Grants ☐ Instructional Material Aid ☐ Instructional Resources Aid ☐ Smart Schools Bond Act ☐ Other
Totals:		2,700,000.00		

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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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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.**

   As part of a multi-year implementation plan:
   • Secondary teachers assigned a Chromebook for school/home use
   • Secondary students assigned a 1:1 device (Chromebooks) for school/home use
   • Each elementary building assigned a supply of Chromebooks for student/staff use throughout the academic day.

3. **Please check all locations where Internet service is available to students within the school district's geographical boundaries.**

   - ☑ Home
   - ☑ Community
   - ☐ None

   3a. **Please identify categories of available Internet locations within the community.**

   • Public libraries (3)
   • Local business (50+ with available wifi)
   • For-purchase internet service available at home

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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.**

Summer 2016:
- Technology Committee reviews survey and other data from 2015-2016 technology integration at Haviland Middle School (HMS)
- installation of interactive displays at HMS

Fall/Spring 2016
- All HMS students receive 1:1 devices (Chromebook)
- HMS staff receive skill level training on technology integration in the classroom
- FDR High School teachers receive 1:1 devices (Chromebooks).
- FDR staff receives awareness level training on technology integration in the classroom to build instructional capacity in using devices (ie Google Apps for Education)

Spring 2017
- Ongoing training for both HMS and FDR staff
- Survey and other data-gathering instruments will be used to assess effectiveness of technology integration implementation for both students and staff.
- Technology Plan revision, and communication of revised plan to all stakeholders

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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.**

   The District will use the following strategies to evaluate the effectiveness of the Instructional Technology Plan implementation, with data reviews in January and June:
   - Review of student digital goal sheets and/or electronic reading logs
   - Digital record of teacher/student conferences in which goals are set and progress is measured using technology
   - Formal and informal observation of classroom practices, citing evidence of differentiated instruction in a digital learning environment that is inclusive of student ability, interest and experience
   - Observation of teacher use of multiple research-based strategies within a single class period
   - Observation of students addressing real-world problems and solving authentic problems using a variety of digital tools and resources (ex: graduation thesis, research projects at a variety of grade levels, blogs, etc)
   - Note: the appendices include a document titled *2015-2018 Tech Plan Instructional Goals* for SMART Goal statements, objectives, and examples of acceptable evidence

   The desired outcome is that the evidence will show a purposeful integration of technology assets into teaching and learning, such that it enhances student learning and growth.

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

	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	http://www.hpcsd.org/district.cfm?subpage=33125	2009
Internet Safety/Cyberbullying*	http://www.hpcsd.org/district.cfm?subpage=38425	2009
Parents' Bill of Rights for Data Privacy and Security	http://www.hpcsd.org/district.cfm?subpage=38426	2014

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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?**

Enrollment figures - We provide this information to the state anyway.

5.   **Other comments.**

• It would be helpful to have the guidance document connected to each of the questions on the survey instead of being a separate document.

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Appendices

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

2015-2018 Tech Plan Instructional Goals.docx