MADISON CSD

Instructional Technology Plan - Annually - 2015

LEA Information

A. LEA Information

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

485

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

	Enrollment
Grades K-2	100
Grades 3-5	105
Grades 6-8	100
Grades 9-12	150

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

Kurt Peavey

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

Director of Technology

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.**

The Instructional Technology mission of the Madison Central School District is to encourage, assist and provide support for the use of technology as a tool to facilitate and enhance teaching and learning.

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

Technology Vision Statement

Madison Central School District will utilize technology to help meet the needs of all students and to better prepare them to become successful members of society and the workplace by:

Incorporating technology into all areas of curriculum

Providing alternative methods of learning for different learning styles

Allowing students to access, analyze, create, and exchange information using technological resources

Providing the means, training, resources, and evaluation opportunities to help faculty and staff to incorporate technology into their curriculums

Providing access to students, faculty, staff and community to available technological resources

District Technology Goals

To provide professional development opportunities that enables faculty/staff to access and utilize technology effectively

To promote technology integration to enhance instruction where appropriate

To maintain and develop existing and future technological infrastructure

To develop and enhance communication methods between the district, community and business

To enhance the evaluation of technology planning and the use of technology in the district

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 planning process in developing the Madison Central School District Instructional Technology Plan includes the creation of a draft technology plan created by the Technology Coordinator with input from teachers, students and administrators. This plan is then reviewed and revised at technology committee meetings. Members of the technology committee include: Students, Faculty (including teachers, media library specialists, special education teachers), Technology Coordinator, Superintendent, Principals, Business Official, Parents, Board of Education Members, & Community Members.

Date	Purpose	Participants	Outcome
May 2015	Final review & approval of technology plan	Technology Committee/Open Meeting (anyone may join Tech Comm)	Provides technology committee final opportunity for question/answer and provides district clear picture of technology use and needs for future
October 2015	Gather input from teachers, administrators, students and parents on current technology use and needs	Technology Committee/Open Meeting (anyone may join Tech Comm)	Opportunity to review current technology use, formulate possible changes and contemplate future needs
January 2016	Gather input from teachers, administrators, students and parents on current technology use and needs. Review Tech Plan and allow for opportunity for necessary changes	Technology Committee/Open Meeting (anyone may join Tech Comm)	Provides committee an opportunity to review current technology use, formulate possible changes and contemplate future needs
May 2016	Review & approval of current technology plan	Technology Committee/Open Meeting (anyone may join Tech Comm)	Provides technology committee final opportunity for question/answer and provides district clear

picture of technology use and needs for future

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 (Checked)
Device Gap (Checked)
Network (Checked)
Professional Development (Checked)
Other (Checked)

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

STEAM-type technology

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 a gap between the current level of technology and the district's vision and goals include:
Device Gap: To implement a 1:1 device program the district will need to acquire additional mobile devices
Professional Development: To successfully implement a 1:1 device program and 21st century technology learning environment the district will need to offer additional professional development opportunities
STEAM-type technology: To successfully implement a STEAM program the district will need to acquire 3-d printers, CNC wood carving devices, robotics, coding and other 21st century technology

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	100 Mb
Internal Network Bandwidth: Connections BETWEEN school buildings (LAN)	100 Mb	100 Mb
Bandwidth: Connections WITHIN school buildings (LAN)	1 Gb	1 Gb

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

100 Mb

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

Time Warner

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) In Use (Checked)
802.11b	Available (Checked) In Use (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?**

100

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)	66	66
Laptops/Virtual Machine (VM)	55	55
Chromebooks	40	40
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	0	0
Tablets nine (9) inches or greater without access to an external keyboard	90	90
Totals:	261.0	261.0

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)?**

   27

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.**

   Greater access to programs, materials, hardware and other assistive technology to help differentiated instruction and professional development.

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	6
Flat Panel Displays	3
Interactive Projectors	1
Interactive Whiteboards	0
Multi-function Printers	1
Projectors	29
Scanners	0
Other Peripherals	0
Totals:	40.0

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?**

   Yes

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?**

Yes

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

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

(No Response)

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

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

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

(No Response)

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

None used

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

Renaissance Learning
Google Classroom
MS Office
Smart Notebook
Castle Learning

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)

Grade Reporting (Checked)

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

N/A

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

Emergency Broadcast System (Checked)

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
Technology Coordinator	0.40
Network Support	0.20
	0.6

E. Curriculum and Instruction

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

    Madison Central School District's plan to use digital connectivity and technology to improve teaching and learning includes a greater number of devices for student use (1:1 program) and an improved wireless coverage throughout the building.
    Replacement of switches that are out of warranty and dated and the addition of wireless access points in high volume bandwidth areas of the building will strengthen the network backbone of the building's infrastructure.

    Madison is also planning on the addition of several new STEAM type technologies such as additional 3-d printers, CNC wood carvers, robotics, & coding devices.
    The District also will expand its distance learning capabilities with additional distance learning equipment. This will allow for additional college credit bearing classes as well as additional elective classes offered by other schools and colleges.

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.**

    To ensure equitable access to instruction, materials and assessments to students with disabilities at Madison Central School District, the CSE chairperson consults with appropriate staff to determine what is needed based on the individual student needs. The CSE chairperson then reviews this in the student's CSE meeting and implements through the student plan. All individualized education plans are then reviewed each year to ensure compliance.

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.**

    To ensure that students with disabilities that are either in the public school setting or have been placed in nonpublic schools have access to and participate in the general curriculum the CSE chairperson will consult with the Technology Coordinator to ascertain whether current technology is in the District's inventory and if that technology will address the needs of the student. If the technology is not readily available the district will research and, if possible, obtain samples or demos to potential technology to purchase. If possible the student will try the technology first-hand. If the technology addresses the needs of the student the district will purchase it.

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.

Time Frame	Topics	Audience	Method of Delivery	Presenter(s)
Summer 2015	Google Classroom	Pk-12 grade teachers	Work shop	Technology Coordinator
September 2, 2015	Community Contact - website, parent portal	Pk-12 grade teachers	Superintendents Day - workshop	Technology Coordinator; Model Schools
On-going	Google Classroom, website, schooltools, other technology integration topics, best practice	Pk-12 grade teachers/staff	Congruent planning times - Tech Tuesdays	Teachers; Technology Coordinator; Model Schools
On-going	3-D printing	Art, Science, Math and Technology Instructors	Congruent planning, workshops, presentations	Model Schools; Technology Coordinator
On-going	Robotics/Coding	Elementary Technology Instructor, Science, Math, Art and Technology Coordinator	Congruent planning, workshops, presentations	Model Schools; Technology Coordinator
On-going selected superintendent days 2015 - 2018	Technology Integration	PK-12 Teachers/Staff	Superintendent Days, workshops, presentations	Technology Coordinator; Teachers; Model Schools

2. **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.**

Title	Number of Current FTEs
Technology Coordinator	0.40
	0.4

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	Laptops	100,000	One Time	Smart Bond; State Aid
2	Wi-Fi	30,000	One Time	Smart Bond
3	Other	175,000	One Time	Smart Bond
4	Other	100,000	One Time	Smart Bond
5	Professional Development	20,000	One Time	Model Schools; State Aid; In-house Training
Totals:		425000.0		

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

Other 1: STEAM type technology - 3-D printers, CNC wood carver, robotics & coding devices.

Other 2: The district will also purchase additional distance learning equipment.

H. Status of Technology Initiatives and Community Connectivity

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

   Technology Plan Implementation (Checked)
   Computer-based Testing (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 district plans on increasing student and teacher access to technology with the use of Google Apps for Education. The district is also planning on supplying all students in grades 7-12 chromebooks for use in school and at home. Third - Sixth grade students would also have one to one google chromebooks for use in school only. Pre-k - 2 grades would have the availability of ipads or android devices for use in the classroom.
   The district also plans on extending school computer lab hours for student access to technology resources.

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

   School (Checked)
   Home (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.

Dates	Actions	Desired Outcomes
Summer/Fall 2015	Installation of switches and access points in high volume areas.	Complete campus-wide wireless capability for at least a 1:1 device program.
Summer 2015	Configuration of google chromebooks for class of 2021 and orientation workshop for class of 2021 students and parents.	Continue district plan of 1:1 program to provide greater access to technology to all students
Summer 2015	Workshop for Pk-12 teachers on google for education	Implement district-wide cloud-based solution for 24/7 access to instructional material
Fall 2015	Initiate 1:1 Chromebook program in grades 3-12	Continue district plan of 1:1 program to provide greater access to technology to all students
Fall 2015	Initiate 1:1 Android or Ipad program for grades Pk-2	Continue district plan of 1:1 program to provide greater access to technology to all students
Spring 2016	Install additional distance learning lab equipment	To provide credit bearing college classes and additional opportunities for electives
2015 - 2016 school year	Implementation of STEAM-type devices and technology	Stimulate student learning through questioning and doing utilizing 21st century technology
2015 - 2018 school years	Integration of STEAM based devices and curriculum into Pk-12 lessons where	Stimulate student learning through questioning and doing utilizing 21st century

	appropriate	technology
2015 - 2018 school years	Continue 1:1 device program for Pk-12 grades	To provide greater access to technology to all students

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.

Evaluation of the implementation of Madison Central School s Technology Plan will be conducted with simple observations of technology use, instruction and integration by the Technology Coordinator and by building administrators.

The Technology Coordinator will be responsible to collect data and present it to the technology committee. Comments from teachers, students, staff, parents and area business and community members may be referred to the Technology Committee at any time.

The Technology Committee will receive reports from the Technology Coordinator regarding the integration of technology into curriculum. Administration will also report on technology use in classrooms through teacher and classroom observations.

Student proficiency will be measured in the elementary by teacher observation and student products. ??Students will also complete a computer-skills class with practical assessments. In the middle school and high school, students will be assessed through classroom project rubrics through their instructors.

Teacher proficiency will be assessed by means of a needs assessment survey each year. This self-assessment will be given to the teachers at year-end. This will assist the technology committee's decisions and revisions on the technology plan.

Technology plans are an ongoing process and the Madison Central School District and Technology Committee recognizes that mid-course corrections, modifications and additions to the plan will be necessary to continue supporting our goals and respond to new developments and opportunities. Technology meetings will continue to occur on a regular basis. At those times, concerns, developments and opportunities will be discussed and analyzed.

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)	http://www.madisoncentralny.org/cms/lib07/NY01913783/Centricity/Domain/216/AUP2.pdf	2013
Internet Safety/Cyberbullying	09/16/2015	http://web2.moboces.org/districtpolicies/?public=madison	2013
Parents' Bill of Rights for Data Privacy and Security	(No Response)	http://web2.moboces.org/districtpolicies/?public=madison	2013

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

No

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)