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Adjusted Allocation: 0.00
Remaining: -581,137.00
Application

Madison Local (OHA128) - Butler County - 2014 - Straight A Fund - Rev 0 - Straight A Fund - Application Number (42)

Applicants shall respond to the prompts or questions in the areas listed below in a narrative form.

A) APPLICANT INFORMATION - General Information, Experience and Capacity

1. Project Title: 1:1 21st Century School

2. Executive summary: Provide an executive summary of your project proposal and which goal(s) in question 9 you seek to achieve. Please limit your responses to no more than three sentences.

Madison Local School District proposes a one-to-one laptop initiative that will provide one Chromebook laptop for every student at Madison in grades K-12. The initiative includes integration of Google Apps for Education, on-going professional development focused on creating a curriculum-infused computing environment, as well as the essential infrastructure needed to support the 1:1 online capabilities. The Madison 1:1 Laptop Initiative is not focused on technology, but on a shift in instructional delivery to enhance communication, collaboration and critical thinking.

1400 3. Total Students Impacted:

4. Lead applicant primary contact: - Provide the following information:

First Name, last Name of contact for lead applicant: Curtis Philpot
Organizational name of lead applicant: Madison Local School District
Unique Identifier (RNI/Fed Tax ID): 
Address of lead applicant: 1324 Middletown Eaton Road, Middletown, Ohio 45042
Phone Number of lead applicant: 513-420-4750
Email Address of lead applicant: curtis.philpot@madisonhawks.org

5. Secondary applicant contact: - Provide the following information, if applicable:

First Name, last Name of contact for secondary applicant: Cheryl Scrivner
Organizational name of secondary applicant: Madison Local School District
Unique Identifier (RNI/Fed Tax ID): 
Address of secondary applicant: 1324 Middletown Eaton Road, Middletown, Ohio 45042
Phone number of secondary applicant: 513-420-4750
Email address of secondary applicant: curtis.scrivner@madisonhawks.org

6. List all other participating entities by name: Provide the following information for each additional participating entity, if applicable: Mention First Name, Last Name, Organizational Name, Unique Identifier (RNI/Fed Tax ID), Address, Phone Number, Email Address of Contact for All Secondary Applicants in the box below:

NA

7. Partnership and consortia agreements and letters of support: - (Click on the link below to upload necessary documents).

* Letters of support are for districts in academic or fiscal distress only. If school or district is in academic or fiscal distress and has a commission assigned, please include a resolution from the commission in support of the project.

* If a partnership or consortium will be established, please include the signed Straight A Description of Nature of Partnership or Description of Nature of Consortium Agreement.

UploadGrantApplicationAttachment.aspx

8. Please provide a brief description of the team or individuals responsible for the implementation of this project including relevant experience in other innovative projects. You should also include descriptions and experiences of partnering entities.

Curtis Philpot, Superintendent, Madison Local School District - 23 years administrative experience in education Cheryl Scrivner, Director of Curriculum, Madison Local School District - Manages all federal and state level grants for Madison Local Schools - Collaborated, developed and recipient of the ODE Third Grade Reading Guarantee Early Literacy and Reading Readiness Grant for Madison Elementary School - Doctorate in Educational Leadership - Black Belt in Common Core Curriculum Andrew Wheatley, Technology Integration Specialist for Madison Local School District, Technology Integration Consultant for the Butler Educational Service Center - Provides instructional technology guidance and professional development for Madison Local School District and the Butler County Educational Service Center - Collaborated, developed and recipient of TechOhio Quality Matters Professional Development Competitive Grant - Certified Quality Matters Online Instruction and Blended-Learning Instructor - Collaborated, developed and recipient of the ODE Third Grade Reading Guarantee Early Literacy and Reading Readiness Grant for Madison Elementary School. AJ Huff, Coordinator of School Community Relations/Grant Writer - Write, manage and execute grant funds for academic, athletic and extra-curricular projects. - Developed and facilitate “The Senior Experience” 21st century student blogger program utilizing senior students in district communication initiatives. - Serve on a variety of state and local board organizations including Middletown Community Foundation Marketing Committee, United Way of Greater Cincinnati – Middletown Area Action Council, Ohio School Public Relations Association and Women Living United Literacy Council. Joy Shaw, Director of Technology for Madison Local School District - Oversees all technology equipment, technology infrastructure, and district technology guidance. - Certified in A+, Network+, HP, Snow Leopard 101 and 201, Mac Xsan, Mac Deploy Studio - Microsoft Certified System Administrator

B) PROJECT DESCRIPTION - Overall description of project and alignment with Outcomes

9. Which of the stated Straight A Fund goals does the proposal aim to achieve? - (Check all that apply)

☐ Student achievement
☐ Spending reductions in the five-year fiscal forecast
☐ Utilization of a greater share of resources in the classroom

10. Which of the following best describes the proposed project? - (Select one:)

☐ New - never before implemented
☐ Existing and research-based - never implemented in your district or community school but proven successful in other educational environments
☐ Mixed Concept - incorporates new and existing elements
☐ Enhancing/Scale Up - elevating or expanding an effective program that is already implemented in your district, school, or consortia partnership

11. Describe the innovative project.

Madison Local School District's mission is to ensure that our students become contributing members of a global society. Today, this includes taking millennials beyond the basic competency of core subjects to include preparing students for ubiquitous computing in education, citizenship, and future employment. Madison Local School District proposes a one-to-one laptop initiative that will provide one Chromebook laptop for every student at Madison in grades K-12. The initiative includes integration of Google Apps for Education, on-going professional development focused on creating a curriculum-infused computing environment, as well as the essential infrastructure needed to support the 1:1 online capabilities. Our current students have always lived in a technology-dependent, on-demand world. As a result, they come to school everyday with their own level of technological fluency. It is our job to provide the tools to build on their knowledge and create 21st century teaching and learning. The Madison 1:1 Laptop Initiative is not focused on technology, but on a shift in instructional delivery to enhance communication, collaboration and critical thinking. This is essential for the upcoming implementation of Next Generation Assessments, Partnership for Assessment of Readiness for College and Careers (PARCC), and Measures of Academic Progress (MAP). The deployment of the 1:1 laptop initiative will not only provide the equipment to successfully facilitate students taking the PARCC assessments and more importantly aide in the development of the 21st century skills demanded by the Common Core curriculum, PARCC, and our ever-changing global society.

**12. Describe how it will meet the goal(s) selected above. - If school/district receives school improvement funds/support, include a brief explanation of how this project will advance the improvement plan.**

Increase Student Achievement The 1:1 21st Century School project will place a fast, portable computer with access to educational apps and resources on the web, in the hands of all students in grades K-

12. By procuring a 1:1 computing environment, 21st century teaching and learning will occur all day, everyday, with the foundation to implement blended-learning opportunities. Studies show that by properly
C) SUSTAINABILITY - Planning for ongoing funding of the project, cost breakdown

13. Financial Documentation - All applicants must enter or upload the following supporting information. Responses should refer to specific information in the financial documents when applicable:

a. Enter a project budget

b. Upload the Straight A Financial Impact Template forecasting the expected changes to the five-year forecast resulting from implementation of this project. If applying as a consortia or partnership, please include the five-year forecasts of each school district, community school or STEM school member for review.

c. If subsection (b) is not applicable, please explain why, in addition to how the project will demonstrate sustainability and impact.

14. What is the total cost for implementing the innovative project?

581,137.00 * Total project cost

* Provide a brief narrative explanation of the overall budget. The narrative should include the source and amount of other funds that may be used to support this concept (e.g., Title I funding, RTT money, local funding, foundation support, etc.), and provide details on the cost of items included in the budget (i.e. staff counts and salary/benefits, equipment to be purchased and cost, etc.).

1400 Chromebooks = $392,000.00

5600 Chromebooks = $1,766,000.00

The Chromebooks are a cost-effective way to access the Internet, making the 1:1 initiative a valuable platform for enhanced knowledge acquisition and collaboration for students and teachers. 50 Chromebook Carts = $76,250.00 The Chromebook Carts will serve as a safe storage and charging unit in the classrooms when the Chromebooks are not being used. Shipping Cost for Equipment = $3,435.00 This is the estimated shipping cost for the Chromebooks and Chromebook Carts. Professional Development = $50,000 Madison Local School District recognizes the importance of a 1:1 initiative in the immediate learning and teaching for the classroom. By providing the professional development over the summer and ongoing throughout the school year our teachers will be ready to utilize the technology to enhance everyday instruction. Google Conference = $64,000.00 Madison Local School District believes it is essential to develop technology leaders throughout our staff specifically trained in best practices in student-centered instructional technology and Google Apps for Education. This training will include teaching teachers to effectively work with the Chromebooks in the classroom for each of the five years. Google Teacher Certification = $14,000.00 Madison Local School District hands-on experience with Google tools, learn about innovative instructional strategies, receive resources to share with colleagues, and immerse themselves in a supportive community of educators making impact. These teacher leaders will be the driving source of district instructional innovation, teacher support, and peer led professional development.

16. Are there expected savings that may result from the implementation of the innovative project?

99,016.94 * Specific amount of expected savings (annual)

* Narrative explanation/narration: Provide details on the cost of items included in the budget (i.e. staff counts and salary/benefits, equipment to be purchased and cost, etc.). If there are no new/recurring costs, please explain why.

The 1:1 21st Century School laptop initiative with Google Apps for Education will require one-time costs only through the purchase of equipment including Chromebooks, and Chromebook Carts.

Cisco 1602i wireless access points and Cisco 2960s POE switches = $32,552.00

The final piece to successful implementation of the 1:1 laptop initiative with Google Apps for Education is the necessary infrastructure needed to upgrade our current building capabilities to withstand 1:1 laptop usage. This includes increasing the number of wireless access points and switches in our buildings to enhance our current wireless system.

17. Provide a brief explanation of how the project is self-sustaining. If there are ongoing costs associated with the project after the term of the grant, this explanation should provide details on the cost reductions that will be made to the school that are at least equal to the amount of new/recurring costs detailed above. If there are no new/recurring costs, explain in detail how this project will sustain itself beyond the life of the grant.

The 1:1 21st Century School project for Education will require one-time costs only through the purchase of equipment including Chromebooks, and Chromebook Carts. Cisco 1602i wireless access points and Cisco 2960s POE switches will be purchased to increase our network infrastructure to provide long term and sustainable support. Permanent savings from not purchasing textbooks, decreased Microsoft licensing costs, decreased infrastructure costs, lower IT costs, and yearly MacBook lease savings will offset replacement of Chromebooks after the grant has expired. Although we continue to plan with further professional development throughout the program, we have early-release days in our school schedule and bargaining agreement in order to not accrue additional expenses.

D) IMPLEMENTATION - Timeline, communication and contingency planning

18. Fill in the appropriate dates and an explanation of the timeline for the successful implementation of this project. In each explanation, be sure to briefly describe the largest barriers that could derail your concept or timeline for implementation and your plan to proactively mitigate such barriers. In addition, the narrative should list the stakeholders that will be engaged during that stage of the project and describe the communication that occurred as the application was developed.

Describe the ongoing communication plan with the stakeholders as the project is implemented. (Stakeholders can include parents, community leaders, foundation support and businesses, as well as educational personnel in the affected entities.)

* Narrative explanation

December 13, 2013 – Setup Google Apps for Education enter staff and student data December 18, 2013 – Create a GAFE and 1:1 Deployment Team consisting of Grant Team, Admin, Teacher Leaders December - PD for Teacher Leaders in Pilot classrooms for GAFE and Chromebooks January 2014 – Pilot two classrooms (Teacher Leaders) with GAFE using current technology resources, and deploy Google accounts for staff and students in pilot classrooms January 2014 - Order and complete the infrastructure upgrades February 2014 - Community outreach initiative using surveys and social media coordinated by district public relations director April 2014 - Order Chromebooks and Carts May 2014 - Professional Development for GAFE for all staff (100) May 2014

* Proposal Timeline Dates

Plan (MM/DD/YYYY): 12/18/2013

* Narrative explanation

Deploying and supporting a 1:1 laptop initiative there are positive outcomes in academic student achievement and student engagement (Cromwell, 1999; Rockman 1998; MEPR, 2003; Bebell,2005; Penuel, 2006) as well as a successful transformation to student-centered classrooms (Rockman, 1998). This one-to-one initiative enhances the ability for our teachers to support the Common Core and Ohio’s New Learning Standards in Science and Social Studies through differentiation, project-based learning, better promotion of college and career readiness and the ultimate goal of academic student achievement. Utilization of a greater share of resources in the classroom The integration of the 1:1 21st Century School project, a one-to-one laptop initiative using Google Apps for Education in classroom curriculum, will allow our teachers to move beyond teaching technology and begin utilizing technology to develop learners who create, communicate, and collaborate in an innovative environment. Expanding the use of computers for writing, analysis and research (Cromwell, 1999; Baltewin, 1999; Guiglon, 1998; Russell, Bebel, & Higgins, 2004; Penuel, 2006). Students will utilize the greater share of resources as they self-publish, peer-edit in real-time, and share an endless supply of digital data in an environment that is familiar, secure and supported. Google Apps for Education is 100% powered by the Internet and can be accessed anytime from any device allowing for a greater share of resources inside and outside the classroom. Spending reductions in the five-year fiscal forecast The Straight A Fund will allow Madison Local School District to purchase 1400 Chromebooks for a one-to-one laptop-to-student ratio in grades kindergarten through twelve. The significant spending reduction over time, as evident in the Straight A Financial Impact Template, will come from more than $1,076,221.76 in savings based on the laptops serving as a 100% replacement for print textbooks and the switch from our current computing equipment to Chromebooks over the next five years. Madison Local School District will use the 1:1 21st Century Classroom model to achieve its cost and efficiency goals. Madison Schools will also see a permanent cost savings starting fiscal year 2015 by deploying Chromebooks in place of the current perpetual 3 year lease cycle of Apple Macbooks. This is a permanent savings of $58,740.59 per year and does not include related infrastructure costs that are higher than Chromebooks by 87% over the permanent and reoccurring three year leases. Additionally, upon receipt and implementation of the Chromebooks in grades K-12, Madison Local School District will eliminate our yearly service contract with Microsoft for a savings of more than $4,500 each year.

* Narrative explanation

[28x158]D) IMPLEMENTATION will be made that are at least equal to the amount of new/recurring costs detailed above.

* Narrative explanation

[28x612]C) SUSTAINABILITY will require one serving as a 100% replacement for print textboks and the switch from our current computing equipment to Chromebooks over the next five years. Madison Local School District will use the 1:1 21st Century Classroom model to achieve its cost and efficiency goals.

[29x207]The 1:1 21st Century School project with Google Apps for Education will require one serving as a 100% replacement for print textboks and the switch from our current computing equipment to Chromebooks over the next five years.

[29x237]Chromebooks in grades K

[29x244](starting fiscal year 2015) by deploying Chromebooks in place of the current perpetual 3 year lease cycle of Apple Macbooks. This is a permanent savings of $58,740.59 per year and does not include related infrastructure costs that are higher than Chromebooks by 87% over the permanent and reoccurring three year leases. Additionally, upon receipt and implementation of the Chromebooks in grades K-12, Madison Local School District will eliminate our yearly service contract with Microsoft for a savings of more than $4,500 each year.
The 1:1 21st Century School with Google Apps for Education will impact the instructional practices in all classrooms K-12 as students and teachers exist in an enhanced learning environment. By providing the tools and support for this project the teachers and students will realize instructional changes that go beyond the implementation of laptops in the classrooms and include integration of the laptops’ Resources in curriculum. These enhanced instructional practices will better prepare our students for formative assessment, 21st century skills beyond the classroom and college and career readiness for the technology-rich world.

E) SUBSTANTIAL IMPACT AND LASTING VALUE - Impact, evaluation and replication

20. Describe the rationale, research or past success that supports the innovative project and its impact on student achievement, spending reduction in the five-year fiscal forecast or utilization of a greater share of resources in the classroom.

Increase Student Achievement Evidence of an increase in student achievement as a result of implementation of 1:1 laptop initiatives exists across the country. The Maine Technology Learning Initiative began a state wide 1:1 Initiative in Maine in 2002. Since that time, evaluation of the project has shown evidence of student achievement. Nearly 70% of teachers reported that the quality of student work and their overall all understanding increased when using the laptops in the classroom. Specifically in writing, Maine’s middle school students saw improved test scores at 1/3 of a standard deviation and two years later with the same test, a one year gain in proficiency compared to students who used the laptops only as a finishing tool (Sikorskis, 2009). We believe that this type of evidence supports our proposal for increased student achievement with a 1:1 student program. Utilization of a greater share of resources in the classroom Evidence shows that a 1:1 laptop integration in curriculum increases the use of computers for writing, analysis and research (Cromwell, 1999; Baldwin, 1999; Guignon, 1998; Russell, Bebel, & Higgins, 2004; Penuel, 2008). Students will utilize the greater share of resources as they self-publish, cement in reading to explore an endless supply of digital data in environments that are familiar, secure and supported. Google Apps for Education is 100% powered by the Internet and can be accessed anytime from any device allowing for a greater share of resources inside and outside the classroom. Spending reductions in the five-year fiscal forecast In 2016 1:1 Chromebook deployments there are two major areas of evidence for financial benefits. The first cost is through reduced Chromebook costs $289.00. Compared to alternative devices currently used in Madison schools by the same vendor, a personal device cost approximately $675.00 purchased for each of the same 1,400 students. These significant savings will be in deployment, setup, and increased student achievement. The second area of spending reduction is in the classroom and future years an area of greater importance. This is based on the expenditure by the International Data Corporation, Chromebooks require 69% fewer dollars to deploy and as much as 92% fewer hours to manage (2013).

21. Is this project able to be replicated in other districts in Ohio?

[ ] Yes [ ] No

22. If yes, how?

[ ] Yes [ ] No

23. Describe the substantial value and lasting impact that the project hopes to achieve.

The substantial value and lasting impact of implementing the 1:1 21st Century School laptop initiative is placing Madison Local School District and its students and community ahead of the inevitability of technology integrating into K-12 classrooms. By providing the tools and support for this project the teachers and students will realize instructional changes that go beyond the implementation of laptops in the classrooms and include integration of the laptops’ Resources in curriculum. These enhanced instructional practices will better prepare our students for formative assessment, 21st century skills beyond the classroom and college and career readiness for the technology-rich world.

24. What are the specific benchmarks related to the fund goals identified in question 9 that the project aims to achieve in five years? Include any other anticipated outcomes of the project that you hope to achieve that may not be easily measured.

Increase Student Achievement Benchmark #1 - Madison Local School District will see a 3% increase in student academic growth using Value Added, MAP, and PARCC data in grades K-12 in the first five years of the 1:1 21st Century School project. Benchmark #2 - Madison Local School District will see a 3% increase in student academic achievement using the Ohio Next Generation Assessments in grades K-12 in the first five years of the 1:1 21st Century School project.

25. Describe the plan to evaluate the impact of the concept, strategy or approaches used.

[ ] Include the method by which progress toward short- and long-term objectives will be measured. (This section should include the types of data to be collected, the formative outputs and outcomes and the systems

26. If yes, how?

[ ] Yes [ ] No

27. If no, how?

[ ] Yes [ ] No

28. Internal and external communications will continue through the implementation phase vi...
In place to track the program's progress.

* Include the method, process and/or procedure by which the program will modify or change the program plan if measured progress is insufficient to meet program objectives.

The deployment team will be responsible for collecting and analyzing all formative and summative data. During bi-weekly meetings, the team will evaluate multiple data points and use this information to guide, adjust and plan future project goals. The deployment team will then communicate and collaborate with building level teams to better pinpoint specific educational practices. The following data points will be used:

- Student academic growth will be analyzed using Value Added and PARCC data. We will compare yearly grade level Value Added and PARCC data from years one through five. This will be the primary source of summative data used to evaluate the effectiveness of the 1:1 21st Century School project.
- Measure of Academic Progress (MAP) will be the main source of quantitative formative evaluation of student academic growth data. MAP is given three times per school year and provides teachers and administrators with instantaneous instructional and student growth data.
- The Ohio Next Generation Assessments will be used to analyze student achievement annually.
- Using the Google Administrative Console, Madison administrators will track Google usage analytics that includes document creation, form creation, daily user usage, etc. This information will provide real-time, formative, data to guide day-to-day adjustments to the 1:1 21st Century School project.
- Using pre and post assessments annually, we will evaluate students' instructional 21st century technology preparedness. Teachers will also be given pre and post assessments surveys that include requests for recommendations for professional development. These surveys will serve as strong qualitative evidence to evaluate the impact of the project that may not be easily evaluated in a quantitative format.

By virtue of applying for the Straight A Fund, all applicants agree to participate in the overall evaluation of the Straight A Fund for the duration of the evaluation timeframe. The Governing Board of the Straight A Fund reserves the right to conduct evaluation of the plan and request additional information in the form of data, surveys, interviews, focus groups, and any other related data to the legislature, governor, and other interested parties for an overall evaluation of the Straight A Fund.

PROGRAM ASSURANCES: I agree, on behalf of this applicant agency and/or all identified partners to abide by all assurances outlined in the Assurance section of the CCIP. In the box below, enter "I Accept" and indicate your name, title, agency/organization and today's date.

"I Accept" Curtis Philpot, Superintendent, Madison Local School District 10/23/2013