

Budget

Danville Local (047837) - Knox County - 2014 - Straight A Fund - Rev 0 - Straight A Fund - Application Number (423)

U.S.A.S. Fund #:
 Plus/Minus Sheet (opens new window)

Purpose Code	Object Code	Salaries 100	Retirement Fringe Benefits 200	Purchased Services 400	Supplies 500	Capital Outlay 600	Other 800	Total
Instruction		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Support Services		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Governance/Admin		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prof Development		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Family/Community		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Safety		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Facilities		0.00	0.00	0.00	0.00	150,000.00	0.00	150,000.00
Transportation		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	150,000.00	0.00	150,000.00
Adjusted Allocation								0.00
Remaining								-150,000.00

Application

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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: Campus-wide wireless

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.

A campus-wide wireless system will allow us to support greater student achievement, better utilize existing classroom resources, and reduce our expected spending.

700 3. Total Students Impacted:

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

First Name, last Name of contact for lead applicant: Sheri Brokaw

Organizational name of lead applicant: Danville Local Schools

Unique Identifier (IRN/Fed Tax ID): 047837

Address of lead applicant: P.O. Box 30 Danville, OH 43014

Phone Number of lead applicant: 740-599-6116 x4305

Email Address of lead applicant: sheri.brokaw@danvilleschools.org

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

First Name, last Name of contact for secondary applicant: Dan Harper

Organizational name of secondary applicant: Danville Local Schools

Unique Identifier (IRN/Fed Tax ID): 047837

Address of secondary applicant: P.O. Box 30 Danville, OH 43014

Phone number of secondary applicant: 740-599-6116 x3229

Email address of secondary applicant: dan.harper@danvilleschools.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 (IRN/Fed Tax ID), Address, Phone Number, Email Address of Contact for All Secondary Applicants in the box below.

None

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.

The district's technology coordinator will be responsible for requesting finalized vendor quotes and presenting these quotes to the superintendent and treasurer. These individuals will then present the quotes to the district's Board of Education, where a vendor will be selected. The technology coordinator will oversee the installation of the wireless access points and verify they meet the requirements determined.

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 researched-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.

This project will implement a campus-wide wireless solution and would provide wireless coverage for students in grades K-12. Our current wireless coverage is only satisfactory for five devices per classroom, well below our average student class size of 25. Additionally, our current coverage is slow and unavailable in some areas. Our student population often has trouble accessing online curriculum and tools, experiencing lack of or slow internet access. Individual wireless access points will be placed into each classroom. These access points will provide dense wireless coverage suitable to sustain 25 devices per room. The access points will be integrated into the district's existing infrastructure to provide stable and secure internet access for each classroom.

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.

Increased wireless coverage would support our existing devices and culture of individualized learning. Increased coverage would also allow the district to pursue a one-to-one program and/or implement a "bring your own device", or BYOD, policy, something that is not possible with our existing system. Wireless coverage would allow us to maintain online testing in the classrooms, where students are most comfortable. Moreover, our existing curriculum makes use of digital content that we currently have limitations using due to the number of devices per classroom. As we move towards 21st Century learning, our need for collaborative learning increases. Many collaborative tools are available but require stable internet access across multiple physical locations. Moving to a wireless system capable of supporting our curriculum, increased devices, and 21st Century educational goals will enhance student learning and utilize a greater share of existing classroom resources. The district will realize spending reductions through several means. First, smaller wireless capable devices, such as tablets and Chromebooks, are generally cheaper than desktop computers. The district will save money when replacing older devices by purchasing cheaper equipment. Second, financial sustainability will be seen through reduced costs for wired infrastructure as we prepare to support online testing. Additionally, wireless coverage and additional devices would allow the district to pursue ebooks, reducing or removing the need to purchase expensive textbooks.

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.
See uploaded financial impact template.

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

150,000.00 * 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).

In June-August 2013, the district's technology coordinator met with and received quotes from five vendors regarding the possibility of purchasing a campus-wide wireless system. The prices below are an estimated cost based on multiple vendor bids. 1) PoE Switches - \$23,000 The district will be required to purchase several Power over Ethernet (PoE) switches to run the access points. These switches provide the power and internet access to the individual wireless access points. 2) Wireless Controller - \$37,000 A comprehensive campus-wide wireless system will require a central wireless controller. This controller provides centralized access and control of each individual wireless access point. This price includes the cost of the device and vendor configuration. 3) Access Points - \$90,000 The district will require a large number of access points to provide adequate coverage. Coverage per individual access point is limited by material construction. In areas where one device can provide comprehensive coverage for several areas, such as smaller classrooms, the district intends to save money by using only one device. This price includes the cost of the access points and cabling.

15. What new/recurring costs of your innovative project will continue once the grant has expired? If there are no new/recurring costs, please explain why.

0.00 * Specific amount of new/recurring cost (annual cost after project is implemented)

* Narrative explanation/rationale: 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.

No recurring costs are expected. By purchasing and maintaining the equipment, the district will avoid ongoing expenses.

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

150,000.00 * Specific amount of expected savings (annual)

* Narrative explanation/rationale: Provide details on the anticipated savings (i.e. staff counts and salary/benefits, equipment to be purchased and cost, etc.)

The district expects to save the cost of installing such a system. The district may see ongoing savings from greater use of digital content and decreasing use of physical textbooks, cheaper computer equipment, etc.

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 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.

No ongoing expenditures are anticipated for this project.

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.)

* Proposal Timeline Dates

Plan (MM/DD/YYYY): 06/01/2013 - 08/10/2013

* Narrative explanation

The district's technology coordinator met with and received quotes from five vendors regarding the possibility of purchasing a campus-wide wireless system. The technology coordinator, district principals, and superintendent discussed the importance of wireless support for the district's educational goals and future plans.

Implement (MM/DD/YYYY): 01/04/2014-04/30/2014

* Narrative explanation

The district's technology coordinator will request and receive finalized vendor bids for the project during January 2014. The vendor bids will be presented to the Board of Education in February 2014 and a vendor will be selected. Implementation will follow as soon as reasonable, with accommodations for school schedule and providing as little disruption to the students' education. The district expects to have the wireless system fully implemented by 04/30/2014.

Summative evaluation (MM/DD/YYYY): 05/01/2014-05/30/2014

* Narrative explanation

Evaluation of the project will occur during the last month of the year. At this time, our bandwidth access is traditionally high as students and staff prepare for end of year assessments. The technology coordinator expects the wireless system to experience heavy usage during this time period, allowing for a thorough evaluation of performance. Additionally, the selected vendor will be required to offer load testing of the new system.

19. Describe the expected changes to the instructional and/or organizational practices in your institution.

Our daily culture already supports individualized learning and access of digital content. However, our teachers have difficulty using our existing tablets and netbooks due to the problems with our existing wireless system. Increasing and improving our wireless coverage will allow for improved access of digital content and 21st Century learning goals. Our staff is eager to have increased access to digital content and we expect that usage to increase as our infrastructure supports it.

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.

Many districts have implemented a campus-wide wireless system to support their educational goals. Such districts experience an increase of student involvement and collaboration, leading to greater student achievement. Additionally, as districts move to accessing digital content on mobile devices, wireless access becomes critical in achieving success.

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

Yes

No

22. If so, how?

Any district may implement a campus-wide wireless system.

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

This project will achieve value and impact by increasing our students' accessibility of personalized learning and digital content. It will also provide easier access to collaborative tools and common core media. Our students will be able to learn from interactive devices rather than static books.

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 benchmarked.

A significant increase in digital content access is expected to occur, leading to an increase in individualized learning. Anticipated outcomes may include a move away from static, hard copy textbooks to ebooks, personalized student portfolios, and collaborative work.

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 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.

Data regarding bandwidth and wireless consumption will be gathered during the testing process and on an ongoing basis. Staff and student surveys will be conducted to see if the new wireless system is meeting their needs, and if not, what modifications are needed. Bandwidth will be "shaped" to ensure educational access is not slowed or prohibited by pleasure access.

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. Sheri Brokaw, Technology Coordinator Danville Local Schools 10/25/2013