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<td>480,300.00</td>
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Adjusted Allocation: 0.00

Remaining: -720,325.00
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: Digital Learning Environment

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.

For the 2014-2015 school year, Wickliffe High School will implement the deployment of Wi-Fi enabled Chromebooks to increase access of technology to 100% of the students in the school. 100% of classrooms at the high school will use digitally based instructional resources to facilitate mastery learning through differentiated instruction for student learning based on measured needs.

500. Total Students Impacted:

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

First Name, last Name of contact for lead applicant: Cynthia Anderson, Principal
Organizational name of lead applicant: Wickliffe High School
Unique Identifier (RN/Fed Tax ID): 041202
Address of lead applicant: 2255 Rockefeller Road, Wickliffe, Ohio 44092
Phone Number of lead applicant: (440) 943-7700
Email Address of lead applicant: cynthia.anderson@wickliffeschools.org

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

First Name, last Name of contact for secondary applicant: Jeremy Hunter, Assistant Principal
Organizational name of secondary applicant: Wickliffe High School
Unique Identifier (RN/Fed Tax ID): 041202
Address of secondary applicant: 2255 Rockefeller Road, Wickliffe, Ohio 44092
Phone number of secondary applicant: (440) 943-7708
Email address of secondary applicant: jeremy.hunter@wickliffeschools.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.

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

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.

Cynthia Anderson - Principal
Jeremy Hunter - Assistant Principal
Jim Banno - Technology Director
Robyn Zalecky - Technology Specialist
Marina Nucciarone - Teacher

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.

The goal of the project is to create a collaborative learning environment for all Wickliffe High School learners. Chromebooks enabled with Wi-Fi will enable students to access learning twenty-four hours a day, seven days a week. The Chromebooks are a tool, a resource - not a device that will be used all day long in every class. This environment will enable and support students and teachers to implement transformative uses of technology while enhancing students' engagement with content and promoting the development of self-directed and 21st Century learners. Content will remain current through digital resources. Paper resources will be reduced and eliminated because learning and lessons will be provided in part through a digital format. Students will transition from consumers of information to creative producers and owners of knowledge. Teachers will be provided professional development training to enable them to transition classrooms from teacher-centric classes to student driven learning environments. Students learn to be effective stewards of technology, global citizens and appropriate netiquette to equip them to be ready with the soft skill set necessary for success in a digital environment.

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.

Goal 1: Student Achievement. Wickliffe City School District has approximately 40% of the student population on free or reduced lunch. Access to technology is limited. Chromebooks with Wi-Fi access would put technology in the hands of students. This would enable new and emerging educational best practices to be incorporated in the classroom and at home. Students would have access to flipped classrooms where instruction is provided at the level needed by the student. Current resources at the high school are text-books that are between five and twenty years old. Online text would update more frequently providing a more accurate learning tool for students. Goal 2: Spending Reductions. Over a six year time frame the high school has spent $304,650.00 in books. A transition to e-books would save $220,025.00 over that same six-year period. Total reduction in costs of books would be $84,625.00 over six years. The costs of paper purchase for printing for the 2013-2014 school year is $2,786.52. A 50% reduction in the first year followed by a 75% reduction in the second and 100% reduction in four subsequent years would create a total reduction over a six year period of $11,842.71. Additionally, at least $7,000 is spent annually each summer in implementing upgrades and servicing of approximately 200 computers. This cost would be eliminated since all maintenance and upgrades would be completed remotely and is fully supported through the purchase of Chromebooks. Goal 3: Utilization of a greater share of resources in the classroom Chromebooks serve current, real time constant resources to each student. They are portable and can be carried with them. Presently, students at the high school cannot take textbooks home because there are not enough for each student to

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?
$20,325.00 Total project cost

15. What new/recurring costs of your innovative project will continue once the grant has expired? If there are no new/recurring costs, explain why.
$220,025.00 Specific amount of new/recurring cost (annual cost after project is implemented)

16. Are there expected savings that result from the implementation of the innovative project?
$18,325.00 Specific amount of expected savings (annual)

17. Provide a brief explanation of the project's 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 make that be 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.

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): 09/01/2013

* Narrative explanation

Action Steps: A1) Identify technology to be integrated in the school A2) Determine core team to implement plan A3) Complete the outlined checklist to ensure transition preparedness: 1. Adequate bandwidth wireless network, with Internet access available to all users in the institution's premises. 2. For users at home, access to their home wireless network connection, or 3. Netbook with capability to use an active 3G Wireless connection. 4. Access to electrical outlets for users to charge the devices batteries. 5. Setup of individual user accounts for learners, educators, and staff. 6. Setup applications, access, and permissions adequately according to each group of learners, educators, and staff. 7. Training the staff, educators, and learners in using the applications. 8. Address the differences with the users between working locally and working in the cloud. A4) Conduct a needs assessment to refine specific needs for teachers for professional development that is targeted to developing specific competencies needed to change instructional practices A5) Plan and Implement a community awareness/constituency awareness program.

Implement (MM/DD/YYYY): 06/01/2014

* Narrative explanation


Summative evaluation (MM/DD/YYYY): 06/01/2015

* Narrative explanation

A1) Conduct a gap analysis of the implementation

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

Utilizing the Chromebooks as an instructional device will move the school from the traditional school building to a digital learning environment. Students will have eBooks versus text books. They will download documents online. Students will complete work, create projects and attend classes using the Chromebook as their instructional source. Apps and the resources of the Internet will be at their fingertips. Instruction will move from a traditional paper and pencil mode to a digital one.

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.

The following is the research conducted by IDC on the implementation of Chromebooks as learning devices: Technology and the Web have given educators new learning models - blended learning, flipped classrooms, and the ability to do remote or “distance” teaching. Students, especially at the K-12 level, use online tools such as Wikipedia, Google Search, OpenClass, GeoGebra, Khan Academy, and Blogger for coursework, projects, and homework. Teachers keep current with online lesson plans and class syllabi. The Web is clearly a value-added learning platform, enhancing knowledge acquisition and sharing for students, teachers, and administrators. The challenge is to manage and scale the use of Internet access technology in classrooms and institutions in order to turn these potential benefits into realities within budget and resource constraints. Chromebooks are computers designed specifically to access the rich educational and collaborative resources of the Internet, and to do so at a lower overall cost than traditional PCs. This makes Chromebooks excellent candidates for schools looking at options to enable productive and effective learning on the Web for students. IDC conducted detailed research with 12 K-12 school systems that implemented Chromebooks for student access to the Internet and to educational resources and tools. This research, conducted in Q4 2011, led to the following conclusions: 1. Chromebooks reduced the need for additional IT staff to support their deployments, requiring approximately 69% less labor to deploy and 92% less labor to support than desktop PCs, laptop PCs, or netbooks. 2. Chromebooks’ high reliability increased actual teaching and educational administration time by reducing the time lost in managing desktop PCs, laptop PCs, or netbooks by 82%. 3. Deployment of Chromebooks eliminated the need for system reimagining and lost file recovery in these school systems. Multiple respondents in the interviews reported zero help desk calls or support tickets for their installed Chromebooks. 4. The comparative lower overall cost of deploying, using, and supporting Chromebooks allowed for an increase in one-to-one learning. At the time of the research, Chromebooks cost $747, and compared with alternative devices, Chromebooks reduced the per-device cost of ownership for these schools by $590 over three years. With the new Chromebook launched in
October 2012, the cost for the device and management combined was reduced to $279, resulting in the monthly per device cost for hardware/software dropping from $20.75 to $7.75 and improving the three-year cost of ownership savings to $1,135.

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

- **Yes**
- **No**

22. If so, how?

Annual reductions in staffing, texts, paper and upgrades correlates to the cost of purchase of a set of Chromebooks for one grade level. A school building or district can begin implementation by grade level with a negligible cost or cost savings. Each subsequent year can be implemented in the same manner. The Chromebook buy back program makes replacement cost effective when coupled with other spending reductions.

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

This project directly impacts students during and after their high school careers. The project brings current technology, and information to students who are presently using texts that are years out of date. Instructional practices will be moved from a teacher centered learning environment to a student centered learning platform. Students will utilize the computer as an integral part of their education. The project enables students to become digitally literate and be prepared to access technology and information in the manner they will need to be able to function outside the high school careers.

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.

For the 2014-2015 school year, Wickliffe High School will implement the deployment of Wi-Fi enabled Chromebooks to increase access of technology to 100% of the students in the school. For the 2014-2015 school year and beyond 100% of classrooms at the high school will use digitally based instructional resources to facilitate mastery learning through differentiated instruction for student learning based on measured needs.

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. Measurement of attainment of goals will be measured using quantitative and qualitative measurement tools. Evaluation of implementation will be conducted. Surveys be utilized to determine change of instructional practices, instructional tools and access to a greater share of resources in the classroom. Expenses in paper, personnel and textbooks will be evaluated annually. A gap analysis will be conducted twice annually to ensure that targeted goals are being met. Corrective steps will be completed to modify or change the program plan if the plan is falling short of targeted implementation.

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 CCMIP. In the box below, enter “I Accept” and indicate your name, title, agency/organization and today's date.

- **I Accept**
- **Cynthia Anderson, Principal Wickliffe High School 10/25/2013**