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**Adjusted Allocation**: 0.00

**Remaining**: -702,131.00
1. Project Title: ICT - Innovation and Collaboration Through Technology

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.

The goal of this proposal is to increase student achievement by utilizing the rigor of the classroom and allow for more complex concepts and projects to be developed. A vital part to 21st century education is collaboration, this technology would allow for greater collaboration among students and educators. Secondly, this program would reduce district costs, reductions would be in paper, copier usage and professional development costs (as teachers sent on professional developments could more easily share their learning). Finally, this program would allow for an expansion of venues of learning and greater sharing of resources.

3. Total Students Impacted:

1795

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

First Name, Last Name of contact for lead applicant: Douglas Cogdell
Organizational name of lead applicant: Technology Coordinator
Unique Identifier (RRN/Fed Tax ID): 044768
Address of lead applicant: 1812 Harris Road Sheffield, Ohio 44054
Phone Number of lead applicant: 440-949-4215
Email Address of lead applicant: d cogdell@sheffield.k12.oh.us

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

First Name, Last Name of contact for secondary applicant: Michael Cook
Organizational name of secondary applicant: Brookside High School
Unique Identifier (RRN/Fed Tax ID): 044768
Address of secondary applicant: 1812 Harris Rd Sheffield, Ohio 44054
Phone number of secondary applicant: 440-949-4201
Email address of secondary applicant: mcook@sheffield.k12.oh.us

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 (RRN/Fed Tax ID), Address, Phone Number, Email Address of Contact for All Secondary Applicants in the box below.

Northeast Ohio Research and Training Hub

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.

UploadGrantAttachment.aspx

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.

With the implementation of the common core and the higher rigor required of our students, our district faces challenges to prepare our students to be competitive in the 21st Century. One of the obstacles we face is student access to technology. Further we need to seek more innovative ways to increase collaboration among our staff and students. In addition we are looking for ways for our teachers to share resources in enhancing their classroom instruction and share online sources of data to drive education in the classroom. And finally we are trying to create ways where more opportunities are available to provide intervention for our struggling students. The ICT program is designed to provide learning opportunities anytime and anywhere. With the funding of this grant, we would be able to provide an Ipad or Chrome Book to each student within the district. Further, the grant money will be used to provide professional development and fund a technology integration specialist to help implement and utilize technology to its fullest capability. This would address our obstacles in various ways. First, it would increase our students' access to technology and allow for the use of technology to be in various learning environments. Second it would improve the amount of time allotted for collaboration among staff and students. More opportunities to share lessons, assessments, and data would enhance classroom instruction and the academic development of our students. Further, as our staff attends professional development, ideas could be more readily exchanged and implemented across grade levels and curriculum. As we accumulated data from formative, summative and state assessments we can create data portfolios that can be accessed online and easily transferred among grade levels and cross curriculum. And finally we have a number of intervention programs that are utilized online already implemented within the district (Reading Plus, Aleks, Study Island, Plato Program). Through the access of...
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.

Student achievement Student achievement will be enhanced by providing access to intervention programs at more times throughout the day. This will allow for the introduction of more complex concepts within the class and receive intervention services outside the class. Further, collaboration among students would also enhance—this is a vital skill to be competitive in the 21st Century. And finally it would enhance the creative and technology development in our students allowing them to meet increased expectations and complexity of content in the academic environment. Access to these devices would enhance our preparation for our student s to be college and career ready upon graduation. Five year forecast reduction The reduction of costs will be achieved through our text book budget, copier costs, and professional development. Putting our finances towards purchasing online textbooks will save us financially from continuous replacement of lost books and rebinds. We will also be able to access materials online which will reduce our copy costs. Offsetting our technology budget with grant money will reduce our expenditures. Lastly, we budget for professional learning yearly. This money will help us to educate our teachers so that they are able to efficiently implement this technology across grade levels and curriculums and educate our students of all grade levels. This technology would also allow us to follow the train the trainer model of professional development. We would be able to send less staff to professional development, thus reducing our costs significantly, because of the ease of exchanging concepts and ideas through collaboration. Utilization of resources Through the increase collaboration the technology provides, educators and staff members could share lesson plans and data regarding student academic development. Further, as teachers attend various professional development activities this technology allows them to exchange and share ideas in innovative ways to enhance the educational process.

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?

702,131.00 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).

The total cost of the project will be $702,131 and the initial capital infusion will jumpstart our Anytime Anywhere Learning Project and allow it to become self-sustainable. We see this as a long-term solution that will transform the way we deliver technology resources into the future. To ensure that our project is sustainable we will shift resources well into the future. At the end of the 3 year lifecycle of the devices we will have realized a savings great enough to purchase the next round of devices for our students. A breakdown of the cost of the project: 4th-3rd grade students will receive Apple iPad and it will be housed in a charging cart in each classroom. The total cost per device is $399 and the total cost of charging cart is built into that amount. The total cost will be $227,500 and will provide Anytime Anywhere Learning opportunities for nearly 600 PK through 3rd grade students. 4th through 12th grade students will receive Google Chromebook at a cost of $350 per device. This includes the Google device enrollment fee as well as individual charge stations in each classroom. The total cost of this portion of the project will be $429,000 and will provide Anytime Anywhere Learning Opportunities for over 1200 students. 4G internet access will be achieved through mobile MiFi devices that will allow the use of these devices outside of the school buildings. Our MiFi data plans run $50/month for a total of $6,000 per year and will serve up to 100 simultaneous internet connections. Professional Development will be provided by the Northern Ohio Research and Technology Hub (Nor2H). They will provide a certified Google trainer working with classroom teachers as an integration specialist for 6 hours per week as well as conducting technology technology implementation workshops for our staff throughout the year. Cost of this PD Initiative is $40,000.

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.

The recurring costs that will occur once the grant has expired will be the replacement cost of the equipment after 3 years of use and the 4G wireless internet access. The “jump start” that the grant will provide will allow us to sustain the Anytime Anywhere Learning initiative throughout the lifecycle of the equipment and beyond. Through the reduction of allocated budgets of our local funds and the implementation of our technology project, our district will provide a model for other districts to follow in the area of sustainable technology. Professional Development will require no new recurring cost to the district due to our current contract with Nor2H that allows for technology workshops throughout the year in any area of need. The first year of intensive training that we will receive will allow for a Train-the-Trainer approach that will empower staff to take leadership roles in future training during professional days, waiver days and after-school workshops. Support for the project will come in the form of a student tech team working under the guidance of the Technology Coordinator. In this model, 6 students will comprise the Student Tech Team and will utilize help desk software that is already in place to be notified of technology issues and respond immediately. The students will mainly work out of our Administration Building that is adjacent to Brookside High School but will also create a presence in the High School’s former bookstore to provide immediate assistance to anyone that needs help. The collection of student fees will also allow for our district to “self-insure” the devices and purchase the materials necessary for the student tech team to replace broken screens, keyboards or other items immediately.

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

164,000.00 * 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.).

Specific amount of expected savings (annual) Copying/Printer Costs: $17,000/year Paper Costs: $7,000/year New Textbook Adoption Costs: $100,000/year Professional Development: $10,000/year Technology Budget: $30,000/year $154,000 savings per year $820,000 savings over five year period. There will be fewer copies made for classroom instruction use. Consequently that will be $0.01 saved per copy for copier rental and $0.06 per color copy. These are savings are based on the current copier use set at $7,050.00.

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.

Once the infrastructure (hardware and software) is in place, the savings from the paper, copier use, new textbooks professional development and current monies budgeted for new computer equipment over the next five years will make this project self-sustaining over the next five years. Further, the training of our student tech team will reduce implementation and maintenance costs. Having these students take this initiative develops their learning and leadership ability.

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): 01/05/2014

* Narrative explanation

The plan for Anytime, Anywhere Learning with each student having their own device has been in the works for a long time in our district and much of the preparatory work has already been done. We have done a great deal of research of other district's experiences with 1:1 computing and have visited other districts such as Vermilion, Perkins and Defiance to ascertain best practices. Our E-Tech certified Technology Plan includes plans for expanding the role of technology and the Straight A Grant comes at an opportune time for our district. We have done some preliminary work such as setting our Board Policy in regards to the use of educational technology and will need to meet again to develop policies for the appropriate use of the devices and adopting Board Policy to allow for the increased student fees. We recognize that communicating with our stakeholders is a key to the success of this project. Our Superintendents involvement in this project along with his excellent relationship with community leaders will help our community get onboard with these changes. Our experience with our recently passed Bond Issue has showed us that our community reacts favorably to partnerships that involve capital improvements and a sustainable and progressive plan. We will take a faceted approach to our communication plan with our stakeholders. Upon approval of the grant we will immediately make plans for a community meeting and will be mailing out invitations to every member of our community for a meeting just after the first of the year. We will also utilize our district website and cable TV channel to provide timely and informational programming that keeps all of our stakeholders informed of our progress in the project.

Implement (MM/DD/YYYY): 01/05/2014
19. Describe the expected changes to the instructional and/or organizational practices in your institution.

A variety of instructional changes will occur with ICT. Students will be able to access the complete online curriculum provided by the publishers such as Pearson, which includes an Etext version and a student view component which is also a valuable tool for parents. Oftentimes parents state they are unable to assist their children because they are too far removed from the classroom and/or content. With the use of touch screen-enabled devices, parents and students will be able to view day to day lessons with learning targets, progress/student data tracking and digital content support. Through the digital components of the curriculum, students would have access to their own performance in academic areas. Students could self-monitor their progress which would help them take responsibility for their own learning. Further, they could create their own online data portfolio and track their progress and development. This portfolio could be accessed by students and families at anytime. With anytime, anywhere technology, teachers will be able to communicate with students on an individual basis outside of the school day. This will allow teachers to differentiate the instruction to meet unique student needs. During the normal school day, some students may not request teacher help due to shyness or fear of negative responses from peers. The anytime, anywhere access could assist in relieving the anxiety from publicly requesting assistance. Students having access to digital devices would allow collaboration with other students through tools such as google groups. Students can use digital groups to develop leadership skills as well as further their teamwork, agency skills. Online groups could enhance "real life" organizations such as student council. For example, through google groups, the student body can be easily divided into a democratic hierarchy by having a "Council" group, "Precincts" and "Wards", each having access to communicate to the next group in the organizational flow and each council member having instant communication with the groups they lead. This system not only is a method to teach and apply the democratic process, but also allows students to expand their communication and technology skills. Other types of google groups would include study groups in content areas. Teachers would be able to create subject area groups to assist students with instruction, post assignments and provide information to preview future content. This would become another form of differentiating the instruction for each student. Students would have the ability to create groups to collaborate over student projects or participate in online peer tutoring. Students would also be able to create groups based on extracurricular activities such as school athletics and after school clubs. They would have the tools to easily and quickly share knowledge, seek assistance or troubleshoot in the area of the group. Google groups could also assist in logistical obstacles such as transportation to and from activities.

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.

Our district has spent money, time, and resources into piloting different technology programs in the past. We have used this data to drive our decision towards acquisition of this grant. We have found that the touch screens and devices of the labs show more student achievement in the lower levels. We currently have four 1:1 classrooms at the elementary level. We have piloted Google Chromebooks in small groups which have showed us that they meet our needs regarding student achievement and cost effectiveness. Keeping this information in mind, we feel we have a 100 percent chance of successfully achieving the goals of project.

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

* YES
* NO

If the project would be easily replicated and we would welcome the opportunity to be model to other schools interested in our implementation plan and our data that led us to our decision making. We could also share our how our rationale stemmed from our needs assessment which could also help other districts make data based decisions about which technology would be most appropriate for their own district needs. The student tech team program that we will put in place could also be replicated in other districts in an effort to reduce costs and improve student ownership and leadership. The collaboration and shared documents, specifically online data portfolios is another component that could be replicated for other districts to use to recognize students' need for intervention and respond according to the data. The time frame would be very short for other schools to implement because of the ease of use of the web based devices. No software will need installed on the Chromebooks and software programs for the lower grades is easily accessible via the internet. In addition, putting a tech team of students together would require very small amounts of training to get off the ground. The actual time needed will vary by district but all of the implementation is easily achieved.

22. If so, how?

The project would be easily replicated and would welcome the opportunity to be model to other schools interested in our implementation plan and our data that led us to our decision making. We could also share our how our rationale stemmed from our needs assessment which could also help other districts make data based decisions about which technology would be most appropriate for their own district needs. The student tech team program that we will put in place could also be replicated in other districts in an effort to reduce costs and improve student ownership and leadership. The collaboration and shared documents, specifically online data portfolios is another component that could be replicated for other districts to use to recognize students' need for intervention and respond according to the data. The time frame would be very short for other schools to implement because of the ease of use of the web based devices. No software will need installed on the Chromebooks and software programs for the lower grades is easily accessible via the internet. In addition, putting a tech team of students together would require very small amounts of training to get off the ground. The actual time needed will vary by district but all of the implementation is easily achieved.

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

This project hopes to raise student achievement through a variety of ways. The Ohio Department of Education is stressing the development of 21st century skills, innovation, collaboration, and technological skills. With this grant award we could be able to increase the development of all of those areas, we would be able to transform the traditional classroom and style of teaching needed to increase the rigor and achievement. Further, we would increase the time for intervention significantly. Being able to access those intervention programs would allow students to continue develop their basic skills and allow for increased achievement in the classroom with higher level concepts. As our students are developing these 21st century skills they are able to be more competitive when trying to reach their personal goals for success. The second goal would be to reduce spending in the next five years. Savings on textbook adoption and copying costs would significantly reduce district cost. Finally, the third goal was to utilize a greater share of resources within the classrooms. By acquiring and implementing this technology we would be able to share professional development concepts, lesson plans, develop plans across curriculums, share both formative and summative assessments, and share data. This would ease the transition between grade levels and allow for greater collaboration across curriculum. All of these developments within the curriculum and within our students would be self sustaining, these skills once acquired and utilized on a regular basis would change our instruction and learning process and better prepare them to achieve their goals in a 21st century world. It would also change our instructional practice by giving teachers opportunities and new and innovative ways to increase the rigor and collaboration within and outside the classroom. All of these changes would transform the way we educate our students and collaborate with stakeholders.

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.

There are 3 major benchmarks that we will set and then use as measures for growth of the ICT. Student Achievement First, we will look at the data pertaining to student use and access to our wireless system. Using the metrics and google analytics, we will be able to determine the usage of our technology infrastructure. Second, we will work to collect data on the student view component of the curriculum. We will track our funding continuously through our year to year budgets trying to ensure cost reductions and sustainability of our technology infrastructure. The second goal would be to reduce spending in the next five years. Savings on textbook adoption and copying costs would significantly reduce district cost. Finally, the third goal was to utilize a greater share of resources within the classrooms. By acquiring and implementing this technology we would be able to share professional development concepts, lesson plans, develop plans across curriculums, share both formative and summative assessments, and share data. This would ease the transition between grade levels and allow for greater collaboration across curriculum. All of these developments within the curriculum and within our students would be self sustaining, these skills once acquired and utilized on a regular basis would change our instruction and learning process and better prepare them to achieve their goals in a 21st century world. It would also change our instructional practice by giving teachers opportunities and new and innovative ways to increase the rigor and collaboration within and outside the classroom. All of these changes would transform the way we educate our students and collaborate with stakeholders.

25. Describe the plan to evaluate the impact of the project, 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.

Methods to Measure Student Achievement: District Benchmarking - State Testing - Results from other intervention programs - ACT scores - Academic classroom formative and summative assessment - Walk-Throughs - Evaluations - Tracking technology use and collaboration Five Year Financial Forecast - Tracking reduction of expenditures in paper, copying and copier costs - Tracking the reduction of professional development costs - Tracking the reduction of technology costs - Tracking the reduction of textbook budget costs - Sharing of Resources - The amount of collaboration will be documented - Sharing of professional development workshops will be documented through observations and walkthroughs and the utilization of cross curricular resources - Documentation of shared assessments and lesson plans. The data would be gathered quarterly and analyzed regarding the implementation and utilization of the technology. Findings from this project would be displayed on the district website, in quarterly newsletters, posted on data boards, and discussed on our channel, Channel 22. Results would also be posted on a Google document available to other schools upon request.

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 signature and today's date.

I Accept, Linda Bertich Uveges Director of Curriculum & Instructional Planning CCIP Coordinator Sheffield-Sheffield Lake City School District 10/25/2013