

Budget

Northpointe Academy (009147) - Lucas County - 2014 - Straight A Fund - Rev 0 - Straight A Fund - Application Number (79)

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	4,000.00	109,500.00	0.00	113,500.00
Support Services		0.00	0.00	2,500.00	0.00	0.00	0.00	2,500.00
Governance/Admin		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prof Development		0.00	0.00	3,500.00	0.00	0.00	0.00	3,500.00
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	0.00	0.00	0.00
Transportation		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	6,000.00	4,000.00	109,500.00	0.00	119,500.00
Adjusted Allocation								0.00
Remaining								-119,500.00

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: One to One Technology at Northpointe Academy - Achievement Through Innovation

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 significant goal and strategy for improving basic instruction and implementing strategic interventions to improve student achievement at Northpointe Academy, a K-7 charter school in Toledo, OH is to increase the use of educational technology. To provide equitable student access to educational technology and improve student achievement this project proposes the use of individual, one to one tablet computers and appropriate applications. From experience with current use of technology and current educational research regarding the use of technology to improve student achievement it is anticipated that student achievement will improve significantly with greater access to technology while at the same time allowing the school to reduce expenditures on other supplies, and allocate a greater share of other resources to all classrooms.

320 3. Total Students Impacted:

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

First Name, last Name of contact for lead applicant: Andre Fox, School Leader

Organizational name of lead applicant: Northpointe Academy

Unique Identifier (IRN/Fed Tax ID): 009147

Address of lead applicant: 3648 Victory Avenue, Toledo, OH 43607

Phone Number of lead applicant: (419) 535-1997

Email Address of lead applicant: andre.fox@leonagroup.com

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

First Name, last Name of contact for secondary applicant: Daniel Scow, State and Federal Grant Coordinator

Organizational name of secondary applicant: The Leona Group

Unique Identifier (IRN/Fed Tax ID): 009147

Address of secondary applicant: 2740 West Central Avenue, Toledo, OH 43606

Phone number of secondary applicant: (419) 474-3235

Email address of secondary applicant: dan.scow@leonagroup.com

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.

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.

The development and initiation team consists of the building leader, the building school improvement team, instructional coach, and the Leona Group Informational Technology Group. The building leader and coach have successful experience writing grants for the implementation of innovative programs in the present and in past organizations. Grants have been used to provide smart technology in classrooms, individual computer workstations in classrooms and a limited number tablets for use in the computer lab only. The school's current strategy for improving student achievement is the use of Internet based instruction and interventions using the limited number of computer lab work stations and paper/pencil type activities. This project will expand the use of a proven innovative use of technology by allowing all students access to learning opportunities and interventions simultaneously in large groups, in small groups or individually. Implementation of the project will be the responsibility of the school leader, instructional coach, the Leona Group Informational Technology Group and the State and Federal Grant Coordinator for the school. Financial management and monitoring will be provided by The Leona Group.

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.

In recent years it has become increasingly apparent that students, because they are "digital natives" respond favorably to greater use of technology in the classroom. According to author, Marc Prensky in his article, "Digital Natives, Digital Immigrants," today's students, Kindergarten through college represent the first generation to grow up with nearly instantaneous and ever changing new technology at their fingertips. He goes on to state students think and process information fundamentally different from predecessors, especially their teachers who often can best be described as digital immigrants. According to Dr. Bruce Perry of Baylor College of Medicine it's possible that students' brains have actually changed as a result of the way they have grown up. Whether true or not it is clear that today's learners learn differently and to effectively teach these new learners improved and different pedagogy and new learning tools (e.g. instructional technology) must be incorporated into daily instruction. In addition, data from the one-to-one use of laptops and mobile devices clearly demonstrate that when students use their devices as essential tools for learning, using a broad range of apps for between 50 and 75 percent of the day, and outside class, then and only then does student achievement increase. To increase the access students have to limited classroom work stations and work stations accessible in the computer lab, each student at Northpointe Academy will be issued a tablet for school use. Students will only be able to use the devices during school hours by checking them in and out at the beginning and end of the day. Tablets will be used for math, reading, science and social studies instruction. Technology will support basic instruction, interventions for struggling learners and enrichment opportunities for other students. To reduce expenditures and allow reallocation of precious school resources textbooks, worksheets computer applications, and other teaching and learning resources will be available on tablets. This will eliminate or reduce the need to purchase paper, textbooks, and workbooks and will reduce reproduction costs. The school will also be able to reduce the cost of other student supplies such as pencils, paper, highlighters and other tools. Students will have access to science instruction, especially lab experiences online. For example, many educational sites have demonstration and participation lessons on dissection, use of microscopes, chemical reactions and many other science resources. Because of limited funding and inadequate laboratory facilities these opportunities for students are minimal if they exist at all. Individual use of computers will increase student access to social science curriculum and instruction to increase cultural awareness, access to original source materials and other historical documents and resources. Additional access to technology will allow students to take advantage of virtual field trips and other on line distance learning experiences. Technology will also be

used for improving reading and math instruction and remediation using online resources and applications to differentiate instruction to meet individual student needs. Additional, individual access to technology will increase the access to and allow more efficient use of computers for benchmark assessment, progress monitoring, teachers prepared assessments and the improvement of data collection and desegregation to improve the use of achievement data to plan instruction and curriculum changes. A similar program using 1:1 access to this technology in Euclid City, OH resulted in "statistically significant" increases in student achievement in the area of literacy. The student demographic of Euclid City Schools is similar to that of the Northpointe Academy - nearly 100% free and reduced lunch.

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. In addition to the goals described in section 9, Northpointe Academy's goals for this 1:1 program are: To improve equity of access to technology To improve the quality of learning To institute and support best practice in technology integration To improve student learning of content To institute formative assessments and differentiated instruction To increase performance on standardized tests - in particular the OAA and OGT To prepare students for the world of work To improve the home-school connection The above goals are aligned to the school's current improvement plan. Specifically, this program will increase student achievement by improving basic instruction in classrooms, by providing access for teachers and students to research-based interventions and increasing the ability of teachers to differentiate instruction to address the learning needs of individual students. Expenditures will be reduced by utilizing online resources and device resources rather than traditional print resources. The need for textbooks copies of worksheets and other classroom materials will be reduced if not entirely eliminated. Other teaching and learning tools will no longer have to be purchased because they will either be antiquated or available electronically. Many of the teaching and learning materials currently supplied for students are funded by Title I and other grant sources. Reducing expenditures through the use of computers and technology will allow the school to reallocate valued grant funded resources to other pressing needs. In addition to reducing necessary expenditures for resources, other innovative resources will become available to students. For example, students will be able to access online science resources such as experiments and demonstrations not currently available due to limited access to laboratories and supplies. Students will be able to experience virtual field trips and communications with other cultures via the Internet. Original resources and real time events will be more readily available to students.

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.

NA - Financial Impact Template Uploaded

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

123,500.00 * 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, RttT 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 request for this project is \$123,500. The budget breakdown includes funds for the purchase of tablets, funds to purchase apps and supplies, a budget line for support services and supplies to install and upgrade network services to take full advantage of the funds and a line item for teacher professional development. The plan calls for the purchase of 320 student tablets, 20 tablets for teachers, networked printers, network upgrades, service and support of the technology and a budget for upgrades to the network. Savings are realized by reducing or eliminating the purchase of printed materials and other equipment typically used in a computer lab setting. Students will no longer need a lab to access technology. Title I funds are allocated and budget to improve basic instruction and provide research based intervention for students in order to improve academic achievement. Title funds can be used to purchase additional supplies that will assist students who need additional support and interventions. Professional development can also be funded by Title funds if it is supplemental in nature. Northpointe Academy also uses NWEA and AimsWeb as benchmarking and progress monitoring tools. Tablet applications are available for students to take these assessments. Again, Title funds are used to fund this program and additional funds from this grant will allow greater access to students. The district also intends to expend general fund revenue to support existing programs.

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.

10,000.00 * 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.

Northpointe Academy anticipates there will be a number of reasons equipment will need to be replaced and has a contingency for replacing equipment. This will result in recurring costs and the budget projection includes a provision to replace up to 10% of the equipment each year. This is budgeted in Capital Outlay - Replacement, a previously non-budgeted item. The projection for replacement is \$11,000 per year for the first two years of the project. This will increase to \$20,000 per year in subsequent years to make sure technology stays current. The budget projection also includes an increase in purchased services for maintenance of the network and other technology related service needs. Each of these budget lines will increase by 3% annually. Implementation of this program will not result in any recurring costs other than replacement of equipment.

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

28,000.00 * 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.).

Northpointe Academy projects first year savings of \$28,000. This is a result of a 5% reduction in supplies and materials. Textbook and other supply purchases will either be eliminated or reduced by \$11,000. Capital Outlay for new equipment, which typically is technology, related will be reduced by 50%. Because all of the technology will be new there will be no need for purchasing new equipment as in the past (\$27,000). As time progresses the annual savings increases by 10% annually. With no additional expenditures or unforeseen circumstances Northpointe could conservatively realize a savings of up to \$70,000 in the fourth year of the grant.

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.

This project is self-sustaining due to the elimination of need or reduction of need to purchase print materials, computer lab equipment and other supplies. It's anticipated the use of technology will continue to offset these costs as the grant budget allows for replacement of damaged or lost equipment and additional replacements as time goes on. The new costs are for replacement and maintenance are offset by the projected annual savings.

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): 10/25/2013

* Narrative explanation

The proposal will be submitted on 10/25/2013. As soon as the award is made a purchase order for the new technology will be processed. The grant coordinator will ensure purchasing and ordering are completed. No delays are expected in the purchasing process. At the same time a work order will be submitted by the school leader to begin work to ensure students can make full use of the technology. There may be delays in delivery of the new technology, but no delay in upgrading our current support technology is anticipated. Out tech support is internal so response to any delays or concerns will be immediate. A tech support person will be charged with ensuring technical needs are met. A delay in delivery will not affect instruction.

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

* Narrative explanation

Professional development for teachers and staff will be planned and a date for roll out to students will be planned. Curriculum maps, lesson plans, unit plans, formative and summative will be written or revised to make use of the new technology. Intervention plans will also be reviewed to explore ways to effectively use new technology.

Summative evaluation (MM/DD/YYYY): 06/15/14

*** Narrative explanation**

The success of the program will be evaluated by comparing benchmarking data analyzed in the implementation phase to summative evaluation at the end of the year. All students will be assessed using STAR Reading, STAR Math and STAR Early Literacy to establish benchmark data. Planned interventions using the technology will be implemented and students will be assessed every 6 weeks to monitor progress. Each semester benchmark data will be reestablished and interventions will be adjusted. At the end of the year students will be assessed and the comparison between initial benchmarking and final assessment will indicate the effectiveness of the program. Ohio Achievement Assessment data from the current and previous academic years will be studied and compared to future OAA scores to determine the effectiveness of the new program. Based on research the district has conducted and reviews of existing programs using one-one technology it is reasonable to expect significant gains in student achievement. Formative and summative teacher made assessments will also be tracked and reported as part of the program evaluation.

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

As noted a significant goal of Northpointe Academy is the improvement of both math and reading skills. Because of the Ohio 3rd Grade reading guarantee and the critical importance of reading, both non-fiction and fiction for future success of students, improving reading comprehension and fluency is a priority. Teachers currently use a variety approaches to teach reading and provide the necessary support and interventions needed to help students succeed. Most of these methods are traditional paper and pencil methods. Fully integrating technology, and making it widely available to all students will, as research suggests increase student motivation to read, maximize on task behaviors during instructional time, and provide a means of differentiating instruction for those students who need additional help. Numerous apps are available for this purpose including, but not limited to WordFlick, Words with Friends, Puppet Pals, ToonTastic, and Storyrobe for younger students and apps like Keynote and Pages for older students. Apps for math instruction and remediation are as abundant as those for reading. Math teachers will be able to enhance classroom instruction using technology - making it more engaging for all students. They will also be able to design differentiated lessons for students who need more assistance and for those who have reached benchmark and could benefit from enrichment or extension of learning. Teachers will be able to take traditional lesson planning to a different level with the use of technology for direct instruction, guided practice in class and independent reading practice at home. In addition teachers can use the technology to develop and administer formative assessments with nearly instantaneous feedback to both teacher and student. Students and teachers will have greater access to pertinent achievement data that will provide valuable feedback to both.

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.

From an article in the Journal of Technology, Learning and Assessment, "Summary of the Quantitative Results from the Bekshire Wireless Learning" the conclusion was reached that a 1:1 computing project similar to this proposal "had many far reaching and positive educational impacts," and stated that, "the potential of 1:1 student and teacher computing holds major promises for transforming teaching and learning. In several other studies, researchers' findings indicated that the use of that 1:1 computing provided greater access to resources, information, and up-to ate instructional content for more students and families as well as increases student motivation, engagement, interest, organization, and self-directed learning. In comparison, Michigan's statewide 1:1 program was shown to improve student attendance and student test scores. For example, in Bendle Middle School proficiency on reading MEAP scores increased from 29% to 41% in 7th grade and from 31% to 63% in 8th grade.

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

Yes

No

22. If so, how?

Given adequate funding there is no reason this program could not be duplicated and benefit many more students in Ohio. In fact, similar programs have been implemented in schools in Ohio and across the nation.

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

Equitable access to computers and related educational programs and applications will be available to students at Northpointe Academy well into the future. This will improve the quality of learning of content (Common Core) and will allow the school to institute and support best practice in technology integration. Teachers at the school will be able to better institute formative assessments and will be able to differentiate instruction using technology to better meet the needs of all students, especially those not meeting benchmark goals. There will be ongoing benefits to students as they will be better prepared for the world of work. An improvement in the home-school connection is also anticipated as an ongoing benefit to the school. Equitable access to computers and related educational programs and applications will be available to students at Northpointe Academy well into the future. This will improve the quality of learning of content (Common Core) and will allow the school to institute and support best practice in technology integration. Teachers at the school will be able to better institute formative assessments and will be able to differentiate instruction using technology to better meet the needs of all students, especially those not meeting benchmark goals. There will be ongoing benefits to students as they will be better prepared for the world of work. An improvement in the home-school connection is also anticipated as an ongoing benefit to the school.

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.

All students will be assessed, as they currently are using STAR Reading, STAR Math and STAR Early Literacy to establish benchmark data. Planned interventions using the technology will be implemented and students will be assessed every 6 weeks to monitor progress. Each semester benchmark data will be reestablished and interventions will be adjusted. At the end of the year students will be assessed and the comparison between initial benchmarking and final assessment will indicate the effectiveness of the program. Ohio Achievement Assessment data from the current and previous academic years will be studied and compared to future OAA scores to determine the effectiveness of the new program. Based on research the district has conducted and reviews of existing programs using one-one technology it is reasonable to expect significant gains in student achievement. Formative and summative teacher made assessments will also be tracked and reported as part of the program evaluation.

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.

The data collected in Section 24 will be analyzed by the schools Consolidated School Leadership Team (CSLT). This group will be responsible for evaluating the effectiveness of the program in terms of how it benefited students. The CSLT will look at such outcomes as teachers' instructional techniques, students' learning activities and degree of engagement, professional development needs, and impact on student achievement. The team will use classroom observations of instruction, perception surveys of students and staff, and analyses of test scores to examine the extent to which the program goals are being attained. Short term progress will be available using data from the benchmark assessments and progress monitoring that will be conducted on a 3 week and semester long time schedule. Longer term progress will be measured using standardized test (OAA and OGT). The CSLT, with feedback from staff and input from the administrators will recommend and make adjustments to the program if the goals are not being met.

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 Andre Fox, School Leader Northpointe Academy, Toledo OH October 24, 2013