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Adjusted Allocation 0.00

Remaining -606,000.00
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: Changing the Face of Education at Canfield High School

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

Canfield High School will accomplish three goals: greater student achievement, significant spending reductions, and increased utilization of classroom resources. These goals will be met through extending the school day and year by implementing a nontraditional schedule, adding a year-round internship program, and investing in new technological resources that will meet the individual needs of every student.

950 3. Total Students Impacted:

4. Lead applicant primary contact: - Please provide the following information:

First Name, last Name of contact for lead applicant: John Tullio
Organizational name of lead applicant: Canfield High School
Unique Identifier (RN/FE Tax ID): 004796
Address of lead applicant: 100 Cardinal Drive
Phone Number of lead applicant: 330-533-5507
Email Address of lead applicant: jtullio@canfieldschools.net

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

First Name, last Name of contact for secondary applicant: n/a
Organizational name of secondary applicant: n/a
Unique Identifier (RN/FE Tax ID): n/a
Address of secondary applicant: n/a
Phone number of secondary applicant: n/a
Email address of secondary applicant: n/a

6. List all other participating entities by name: Provide the following information for each additional participating entity, if applicable: First Name, Last Name, Organizational Name, Unique Identifier (RN/FE 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).

* 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.

John Tullio, Principal of Canfield High School, will serve as the project manager and oversee all aspects of the proposal. He lead the development and served as project manager of Small Schools Youngstown (2.1 Million Dollars) and Youngstown Early College (the only four-year high school housed on a four year state college campus). In addition, Mr. Tullio just recently, with the assistance of others, wrote and managed two Advanced Placement grants for Canfield High School. Under Mr. Tullio's leadership, eight members of the teaching staff (all representing different disciplines) have worked with him in developing the proposal. John has extensive background in education (42 years) and has held a number of administrative positions including Supervisor, Assistant Principal, Principal, and Assistant to the Superintendent for high school and middle school reform.

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.

John Schmidt, CEO of Google, has repeatedly stated that America is the current world leader in innovation, but data suggests that Asia will soon catch up unless we invest more in our educational systems. As a result of reviewing data, our challenge at Canfield High School is the rigid four block schedule that does not meet the individual needs of our students, coupled with the lack of viable technology that is an integral part of today's learners and their opportunity to be successful in today's global community. Likewise, antiquated resources have resulted in Canfield lagging grossly behind in providing up-to-date technology for both students and staff. This puts Canfield students at a severe disadvantage when compared to students in other districts in the state and when these students enter the post-secondary world. The project's main objectives include an innovative schedule, a year-round internship program, and complete integration of technology in the educational process. Our innovative schedule will include extending the current block schedule to make better use of staff and instructional time. By making a one-time investment in new technology, we will merge electronic content and classroom opportunities to become the premier school in the State of Ohio at preparing our students for their careers. Through our internship program our juniors and seniors will gain real-world experiences in a placement program with several career paths including medical, engineering, manufacturing, and business management. As a district that consists of many small and diverse communities, this plan will enable us to stretch beyond our normal district performance to achieve even more excellence. Also, it is important to note that this plan was a collaborative effort driven by strong community support, teacher professionalism and district leadership. To date 20 community business leaders whom have demonstrated their support for this initiative, ranging from letters of support, personal contact and to personal emails and phone calls. It is our goal to hold a culminating open house in August to share our "new" building with the students, parents, and business leaders of our community!

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.

Our first goal is achieving student achievement. We will add at least one hour to the school day, creating a more flexible schedule so that our students have more opportunities to take advantage of extended class offerings. Secondly, we will increase project-based courses. Through collaboration, updating our STEM labs and increased opportunities for teacher training, we will help our students develop critical thinking skills by using math labs, writing centers and independent study options. Thirdly, we will respond to community requests by initiating partnerships with our school that will provide internships for students who are looking for authentic experiences beyond the classroom setting. The students will gain real world experience and earn a high school credit upon completion. Our next goal will significantly decrease spending for printed materials, textbooks & workbooks, and new technologies by providing each student and staff member with an electronic device. We will replace our current physical textbooks with new electronic textbooks and specific digital content from online providers such as iLearn Ohio. Because our textbooks are antiquated, our teachers have been forced to create their
own supplements for their courses. If teachers and students can use electronic content, spending will be reduced. Although we have always experienced high academic rankings, we have lost many students. With this grant we can offer most of our services to our community and keep Canfield students in our school district. Based on community surveys, we will see an increase of enrollment by reinstating or changing the in the schedule to afford the district more of its staff, and more quality course offerings coupled with an ambitious internship program should lure students back to Canfield High School. Indeed, long-term effectiveness can surely be illustrated via the lasting savings in these areas. Our final goal is to utilize the resources of the Mahoning County Library System to eliminate or reduce the expense of traditional textbooks and printed resources. Every student in the high school will be provided with adequate technology and devices to take advantage of these new digital resources including but not limited to ebooks, data bases and audio books. These content specific electronic resources and devices that would support our non-traditional year round schedule, classroom and lab integration and personalized learning opportunities that extend beyond the school building. These would be placed in our building to allow independent and interdependent collaboration for students and staff.

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?
   606,000.00 Total project cost
   * Provide a brief narrative explanation of the overall budget. The narrative should include the sources and amount of other funds that may be used to support this concept (e.g., Title I funding, RRT 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).

606,000 Total cost of the project $13,000 Research Funding release time, gas, food and lodging for 2 members of each of our 10 departments to travel to other districts in Ohio to research the best types of technology that specific departments are using. $330,000 Department purchases Funding Software and hardware for our 10 departments. We feel that each department should have the flexibility to choose the technology that best fits their discipline. These purchases will allow our brightest students to be pushed with enrichment activities, as well give services to students that need remediation. $100,000 STEM lab upgrades Funding an upgrade to our 5 STEM labs that are currently antiquated. We would purchase hardware and software specific to each lab including our Computer Animated Drafting (CAD) Lab. Manufacturing Lab, Computer Graphics Lab that stresses on video advertising, marketing and computer reimagining, Business Lab that focuses on skills that range from basic budgeting to creating and running their own business, and Media Center. $70,000 Staff purchases Funding Discipline specific mobile devices for our current staff to allow the instant communication, collaborative and creativity through our wireless network. These devices would also allow for communication between our staff, students, and business leaders outside of the traditional school day and year. $25,000 Funding the purchasing of the software for our new computer animated drafting software that will allow us to implement the new technology. These would be placed in our building to allow independent and interdependent collaboration for students and staff.

35,000 Staff Professional development development Funding for professional development for each member to start the training and implementation process that would begin in January and run through the summer months. We, 8,000 Technology Department Funding for Technology staff to assist in the purchasing, unpacking, delivery and testing of our newly purchased technology. During the creation of this grant, we held several meetings with our technology department to help with the planning and implementation of this grant.

$19,000 Compliance Funding release time and provide minimal stipends for continued collaboration and training of our grant team. Their responsibilities would include monthly meetings to check progress, disseminate information, measure effectiveness, and revise implementation strategies. $8000 Internship Program Funding the initial internship training, community contact, site-visitation and creation of the program. This is an initial investment that would be built in to our flexible schedule next year at no additional cost to the district.

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 changes that we are making are systemic and sweeping because they fall outside of the traditional, antiquated, perception of education in Ohio. The only recurring cost that we envision is release time for our staff to travel around the state showing other districts how to implement this plan. If we are fortunate enough to receive these funds, we see no recurring cost to the district or community.

16. Are there expected savings that may result from the implementation of the innovative project?
   75,000.00 * Specific amount of expected savings (annual)
   * Narrative explanation/rationale: Provide details on the expected savings (i.e., staff counts and salary/benefits, equipment to be purchased and cost, etc.)

As you become familiar with our five-year forecast, it is obvious that we are an extremely efficient school district that takes pride in financial responsibility. In many cases, we rely on outside donations and grants to maintain a strong educational environment. For example, the district has purchased used computers from neighboring districts. The anticipated total savings over the five-year forecast will be over $375,000. The anticipated savings per year will be over $75,000. Please see the yearly breakdown below: #1.) The retention of students. Through open enrollment and community schools, we anticipate 8-10 students returning each school year. We anticipate a savings of $57,000. #2.) Textbooks. We anticipate a savings of $11,000 due to transitioning from hard cover textbooks to electronic textbooks. #3.) Lab Materials. We anticipate a savings of $1000 due to the reduction of chemicals, disposable scientific materials to the use of online virtual labs. #4.) Printing Costs. We anticipate a savings of $1450 due to the reduction of printed materials, toner, etc. #5.) Technology. We will maintain our current minimal technology budget. We anticipate a savings of $5,000 from the reduction of technology.

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 will sustain itself in three ways. As a result of winning this grant, the first major change involves revising our class schedule so that more students will have greater access to the classes they desire. The cost savings associated to our grantmaker are upfront. We anticipate that in the near future we will research other schools that have made similar changes in their class schedule. Once the new schedule is determined as a result of this initial research, we don't anticipate any recurring costs. The second way that the proceeds of this grant will be self-sustaining is that we expect to initiate a technology fee for all students. Our school is located in a district where students perform well on most measures, including OGT’s, ACT’s and graduation rates. As a result, our district receives less funding from the state as compared to lower performing districts. The consequence of this has been degradation over the years of the technological resources to which students have access. Our students' access to computers and other resources are most likely among the best in the state. Essentially, the grant will provide our school with the startup costs to implement a technology maker that is large in scope, including new computers and ipads. Student fees will allow us to continue providing for future generations of technology to future generations of students. The amount of the fee has yet to be established, but it will provide for sustainability of this program as well as meeting the needs of all learners, including those from lower income families. The final area of focus for sustainability is our summer internship program a modest fee will be charged to students. The fee will be adjusted on a need basis. Our experience has been that parents of students in our district routinely pay several thousand dollars for their students to attend summer STEM-related enrichment programs at distant universities. Our costs, substantially consisting of a program supervisor stipend, will be offset by an internship fee. The amount of the fee is yet to be determined, but it will be between $50 and $75. All of the recurring costs of this program will be provided out of this internship fee.

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 schools.)

* Proposal Timeline Dates

Plan (MM/DD/YYYY) 01/07/2014

* Narrative explanation

The proposed timeline for this plan begins in January of 2014 with full implementation by May 1, 2014. This includes a flexible schedule, technology upgrade and internship program. Flexible Schedule: A non-traditional schedule that accommodates the individual needs of each student and staff member. We will add additional instructional time by extending the school day and year. By restructuring our current schedule, we will better serve our students through unique and personalized learning opportunities in a non-traditional format. Barriers to this plan would mostly be financial in respect to obtaining the funding for professional development that allows our staff to gather data and information. Technology We will purchase content specific electronic resources and devices that would support our non-traditional year round schedule. By personalizing learning opportunities that extend beyond the school building, will allow for independent and interdependent collaboration for students and staff. By April, we would complete our purchasing and test, train and implement our new technology by our August in-service days. There is no cost to the district after the initial implementation and all collected program fees will be deposited in the General Fund. This model shows the implication for future growth and sustainability. Our overwhelming community response ranges from medicine, manufacturing and business management.
19. Describe the expected changes to the instructional and/or organizational practices in your institution.

Canfield High School want the opportunity to compete regionally and show that the educational experience we provide is not only exemplary but also uniquely tailored to individual student as well as community needs. With this grant, Canfield High School will be unlike any other school in the area. Typically, educational modifications come from the state; however, the uniqueness of our proposed ideas lies in the fact that these changes are driven by teachers with one goal in mind: what students need most. Instructionally, teachers will be working more. Some teachers will be teaching an additional class or taking on a new responsibility as well as in an online classroom setting. In an effort to reach all our students, students can only positively impact student motivation, achievement and retention. Likewise, up-to-date technology that actually works will change instruction entirely. Online work is an obvious benefit, but teachers will also create virtual labs and discussions, incorporate Ebooks for differentiation and variety in textbooks and utilize the endless educational supplements that the Internet offers. With these improvements, Canfield teachers will be able to make more on technology in their pedagogy, a difference that will better prepare students for the realities of 21st century learning and careers. Organizationally, our students will be able to take more classes instead of being hindered by the schedule. By partnering with local businesses, professional organizations and government entities via our internship program, students will gain real world experience and networks that actually pertain to their career choices, and the ties between our community and our school will only strengthen.

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...

Based on an article in the Harvard Business Review in 2011, we are moving into an age of "hypermultiplication" that will be defined as a workforce that has authentic experiential knowledge and is uniquely savvy with technology. Given that successful businesses in 2013 are driven both innovation and specialization, we would like to implement that same philosophy in our school. The "one size fits all" philosophy is not a viable business model or the same should apply in education. Although Canfield High School does very well with little resources, we want to become a regional center for 21st century learning. By using staff, technology and business and community assets, students at Canfield High School will develop the interpersonal, technological and communication skills needed to compete and succeed in an ever-changing modern society. Likewise, rationale clearly exists in Ohio Teaching Standards. Our proposal exemplifies basic best practices in education, ensuring quality access. To illustrate, Standard 5 even clarifies that "Teachers are agents of change who seek opportunities to positively impact teaching quality, school improvements and student achievement." Teachers at Canfield High School created this proposal with precisely that intent and focus in mind. Standard 5 also says "Teachers collaborate effectively with the local community and community agencies, when and where appropriate, to promote a positive environment for student learning." Our internship program obviously provides the framework to achieve this goal. Students in Canfield will actually experience this through their community collaboration and relationships. Finally, the internship benefits our students and society in a concrete and measurable way.

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

Yes.

22. If so, how?

This project can become the model for other districts within the three targets we are working on. By restructuring and giving more flexibility to our scheduling process we have identified and addressed the need in all educational institutions, learning is not static and doesn’t begin or end inside the walls of any institution. Learning is dynamic and ever changing. It is lifelong and doesn’t fit into a neat package. Instruction has to be as dynamic and life applicable as each individual is different. Each learner has a different skill set, interest and motivation to learn. Our flex schedule allows us to differentiate and meet the needs of each student. The implementation of technology upgrades across the building, puts the necessary educational tools and resources into the students hands, allowing them to individually own and personalize their learning experience. With real world applications, the technology piece meets the demands of our present day learning styles, networking/communication and work based applications, student response systems, etc.)

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

Canfield High School has a long tradition of academic excellence. We want to increase the already tremendous return on the educational investment that our community has come to expect. Using the opportunities presented by the Future at Work Fund, we will add projects and programs that will be flexible enough to accommodate the diverse needs and desires of our clients. Ultimately, we will provide our students and parents with more choices in their learning experience. Starting in 2014 we will implement an innovative schedule that will allow us to enhance our current technology usage, which states, "Teachers use resources effectively, including technology to enhance student learning." The current technology available at Canfield High School hinder the educational process. Our project will increase engagement and flexibility for students, ultimately impacting student success and achievement. By maximizing use of faculty and facilities and utilizing progressive technology, Canfield High School will uniquely and proudly prepare effective, contributing members of a global community.

24. What are the specific benchmarks related to the fund goals identified in paragraph 9 that the project aims to achieve in 5 years? Include any other anticipated outcomes of the project that the hope to achieve that may not be easily measured.

Flexible Scheduling In terms of a more flexible schedule, the important outcome is the students’ perceptions of whether or not the new schedule allows better accessibility to the classes they want. From a four block size to a day schedule to a schedule that includes more flexibility should allow students greater access to expanded curriculum offerings. A measure of that will be a 20% improvement in the number of students who feel that they were able to access the classes they preferred in an improved schedule. Technology We will use the summative tests as deemed by the state and do a comparison over time to show whether scores improve due to the utilization of technology. It is difficult to predict percent of improvement at this time, as the state has not announced which summative measure will be utilized in the test.

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).

For this program to be effective, the latest technology needs to be in the hands of each student and staff member at Canfield High School and students need to be empowered with more learning options. A few simple measures of success can be illustrated by checklist alone. Does every person at CHS have access to the hardware and software necessary to implement the proposed instructional changes? Has a new schedule been implemented that provides more choices for all kinds of learners? Are students participating in real-world internships within their CHS experience? Lasting change can be noted through: (1) evidence of change in instruction and assessments warranted by the proposed technology usage, (2) evidence of increased student learning and achievement, and (3) evidence of cost savings. Each of these questions shall be evaluated on an annual basis to both measure online effectiveness of the program, and determine if a change in direction is needed. This can be done firstly via classroom observations and student/staff surveys. Sample questions would include: To what degree has the usage of each of the following changed instruction on a daily basis? (ne: library system usage, online textbooks, online labs & activities, web-based applications, student response systems, etc.) Data from answers to these questions will be used to drive staff development where needed, but also to assess the need for updates in hardware and software in the future. Concrete data can also be found within our students’ achievement. A comparison of CHS standardized test scores (ACT, SAT, PSAT, AP, etc.) will be made to those from the years prior to the change to another way to illustrate success. Data will also be accumulated via the results of internship program. Each student, cooperating institution, and faculty advisor will evaluate the program via surveys before, during, and after the internship. This data will be used to illustrate...
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

Alex Geordan, Superintendent Canfield Local Schools 10/24/13