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Adjusted Allocation: 0.00

Remaining: -58,861.37
1. Project Title: St. Henry 21st Century Advancements in Education

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 thought process behind this plan is to implement new technology, new resources, and new ideas in our school enabling our teachers and staff to prepare our students for the 21st Century college and career readiness standards they will need to succeed moving forward.

3. Total Students Impacted:

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

First Name, last Name of contact for lead applicant: Eric Rosenbeck
Organizational name of lead applicant: St. Henry High School
Unique Identifier (IRN/Fed Tax ID): 035659
Address of lead applicant: 391 E Columbus Street; St. Henry, OH 45883
Phone Number of lead applicant: 419-678-4834 ext. 2200
Email Address of lead applicant: rosenbeck.eric@apps.sthenryschools.org

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 (IRN/Fed 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: 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. N/A

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.

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.

E) 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 research-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 a district with approximately 3,000 people, the schools at St. Henry provide an excellent education to their students; however, due to its size, the high school has very limited science, social studies, math, and English courses available. With that being said, the project is designed around implementing new Binocular Microscopes, Gel Electrophoresis, analytical balances, spectrometers, a Smartboard, Bradecam, and many other resources and tools that we will allow our students, who have such limited options due to our size and location, the best possible chance of continued success in the 21st Century Educational World.

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.

The project will meet the goals above by being utilized in our classroom(s) on a nearly daily basis. The equipment and materials that are being requested do not fit within our school's budget; however, our students are at risk of falling behind the global educational community if we continue to teach as we have in the past. The goal of the St. Henry 21st Century Advancements in Education grant is to significantly raise student achievement in multiple content areas through the use of new, better tools and resources. A person passing through St. Henry High School after this grant is awarded will see our science teachers using the equipment requested in their labs, the social studies teacher(s) using the items requested to help with research and project-based learning, and all high school staff members in different content areas using the new grading technology to help with forming data-driven decisions for their classes moving forward.

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 what will be the continuation of students support and impact.

a. Enter a project budget. We are requesting a total of $58,861.37 to undertake our project. A majority of our funds - Roughly $36,000 - will go toward our science department as we at St. Henry High School feel that this area is falling behind the most due a lack of new equipment and resources. A portion of the request - Roughly $10,000 - will go to our math department (we have 2 Math Teachers at our high school) for a Smartboard to replace the old symposium that is currently being used. The final part of the budget - Roughly $13,000 - will go to the social studies department and the entire staff at St. Henry High School to help increase collaboration, communication, and creativity when solving modern problems. This portion of the money is also in play to help increase data-driven decisions and inform the communication technology literacy while developing professional and technical writing/reading skills. b. Straight A Financial Impact Template - Not Applicable. c. Subsection b concerning the Financial Impact Template is not applicable due to the fact that all the items requested are not in the original five-year forecast(s). Our district has much more pressing needs and with state funding growing stagnant over the past few years, this request is a way to obtain some of the monies that our teachers crave that we cannot offer to them. The project will demonstrate sustainability as all of the items will only be needed to be re-purchased anywhere in the near future; however, the items involved in this project will impact our students' achievement through a better use of technology than we currently offer. By utilizing these resources in the classroom, it is giving all the students a fair shot to keep up with the global educational community. The only part of this project that will need to be renewed is the Gracecam portion of the proposal; however, this will actually be a cost savings as our district will split away from the use of the Scantron machine and all of its costly forms (Roughly $900/year compared to Gracecam under $800/year) into this cheaper, better data-driven system in the future.

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

58,861.37 Total project cost

* Provide a brief narrative explanation of the total expenditure. The outline 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.).

* There will be no other funds to support this project, unless we get local funding or cut other budget items to help support this funding. However, that is asinine as this project will help student achievement and should not need any other sources of income or funds. The items listed below all have the intent of helping our student achievement while targeting a greater share of resources to our classrooms. i. Gradecam - 312 students x $2.50 x 5 yrs = $3,900.00 ii. Acer Chromebook - 30 x 3000 = $9,000.00 iii. Vernier Lab Quest Mini Interface $149 iv. Motion Detector $ 79 v. Dual-Range Force Sensor $109 vi. Microphone $39 vii. Differential Voltage Probe $ 39 viii. i-vii included in one package for... $415 ix. Will request quantity of 8 packages x $3,320.00. x. Vernier pH Sensors $ 79 City 8 sensors x $632 xi. Laptops for software and probes (Asus) $349.99 x 8 computers (one per set) x $2799.92 xii. Ohaus Pioneer Analytical balance $2560.00 Qty 2 balance requested x 2 $5100.00 xiii. Spectrum Tube Power supply $195.95 xiv. Spectroscope ($8.95 x 30) $268.50 xv. Meij MT4000 Series Binocular Microscope $1,428.00 Qty 15 microscopes x 15 $21,420.00 xvi. Carolina Electrophoresis Equipment $2,225.00 xvii. 70" LCD Smartboard $10,000.00 Total TOTAL COST = $58,861.37

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

780.00 * 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.)

This cost of $780 will continue after the first five years; however, roughly $900/year comes out of our general fund for Scantron sheets. We will lose this archaic machine over the course of the next five years so that we can continue to develop our students' data-driven numbers to help them to monitor progress and determine achievements. While results from formal and summative assessments answer questions of knowledge and improvements, results from formative and summative assessments answer questions of how to use technology in the future. We will need to replace our scantron machine as we do not have this equipment for us to make an accurate prediction moving forward. We should not have any recurring costs as these items are all one-time buys, except for Gradecam, which was outlined in the bullet above. The other aspect to consider is that we do not have this equipment at this time, so we cannot accurately predict when we will need to replace it. We could call other schools that do have the equipment, but this would not be an accurate gauge as student populations, teachers, etc. are different making the guess just that, a guess.

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

100.00 * Specific amount of expected savings (annual)

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

The amount of savings on a yearly basis will translate into a little over $100/year as we will no longer be buying Scantron packets of 500; instead, we will be using Gracecam.com. We looked at our expenditures on Scantrons through the treasurer's report, and on average over the past three years the cost is roughly $900/year with fluctuation based on the year and the amount of Scantrons given. The larger savings are there for the St. Henry 21st Century Advancements in Education proposal is through the equipment that is being purchased. The science equipment, Chromebooks, and 70” Smartboard are all items that our staff would like to purchase; however, we need to be fiscally responsible to our taxpayers. With this being said, the odds of us being able to buy this invaluable equipment is somewhere between slim and none right now as our budget is as tight as can be in the first place. We do not feel that we are asking for materials just to ask for them; we think these purchases can really help our students with the aforementioned critical thinking skills needed to be successful in the 21st Century Global Educational Community.

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.

Within the St. Henry High School portion of the general fund, there is a yearly cost(s) for Scantron sheets. This average of roughly $900/year will be eliminated over the course of the next five years with this proposal. During this time, we will phase out the expensive cost(s) of buying Scantron sheets that do not provide any data other than a test score to our teachers. In the place of these Scantron sheets, our entire staff will move on to implement Gradecam, which will save the district roughly $1200/year. This new program will give our teachers much more data-driven numbers to help them to monitor our students' progress on different lessons and subject matters. The project will be self-sustaining as $900/year is already budgeted in the general fund for the Scantron sheets. This will actually save us money. All the other purchases of this innovative project are one-time buys that will most-assuredly last multiple years before being needed to be replaced. It is impossible to predict where St. Henry High School will be in 12, 15, or even 20 years from now. Therefore, the project will sustain itself until a new wave of technology comes through and another grant opportunity presents itself for St. Henry High School to stay up with the larger schools who can offer a better variety of classes and experiences to their students.

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): 09/10/2013 - 10/20/2013

* Narrative explanation

We planned the proposal at staff meetings, special individual meetings, and through email over the course of the last month and a half. We eliminated non-essential ideas, and we stuck to a pretty rigorous standard of what we thought would help our students the most.

Implement (MM/DD/YYYY): 01/06/2014 - 05/22/2014

* Narrative explanation

We plan on buying all the materials after the money is awarded in late December. After buying at this time, St. Henry High School is planning on implementing the materials through the remainder of the school year. The teachers can work on getting accustomed to the materials during our Winter Break. We will most-likely get the press involved as well as document to the community via our newsletter and our school website what we are doing. By doing this, we are hoping we can get local businesses or community members to possibly help with other needs that our school is trying to take to become the best that it can be. We want to show our taxpayers that we are doing the work first and then possibly get their support for more Chromebooks, science equipment, Smartboard(s), etc.

Summative evaluation (MM/DD/YYYY): 05/23/2014

* Narrative explanation

Our summative evaluation should be completed at the end of our 2013-14 school year. We do not see any forseeable hurdles or barriers to implementation as all of these materials have been introduced to our staff at some point in their career(s) while doing professional development, which is why they are envious and would like to have some of these materials at our school. Some of our veteran teachers may resist the change to Gradecam, but with five years to accomplish this goal, there is not a doubt in our mind that this will be a success. The important milestones will all be accomplished this school year as we plan on buying the materials needed as soon as the check arrives at St. Henry High School.
19. Describe the expected changes to the instructional and/or organizational practices in your institution.

The major changes that should happen to our instructional practices are the teachers will now have more data-driven results to assist them in hitting the new C.C.S.S. through the use of Gradecam. This will help our teachers re-teach and moving on at a faster, more accurate rate. Instead of having to put in so much extra time on how the students are doing based off their format and summative assessments. Our math teacher(s) will be able to become more interactive with the students through the use of the 70” LCD Smartboard, instead of the math teacher being the only one who writes on his symposium, which quite frankly, is starting to encounter some glitches. The social studies teacher will change his practice through the use of the Chromebooks by being able to utilize online document sharing (Google docs) to focus on peer collaboration/teamwork and to cut down on paper/ink/textbook costs. Finally, the science department will incorporate changes by having the ability to have more individual labs where the students can hypothesize, make adjustments, and come to conclusions through application, not just through reading about the information in a textbook or online. Biotechnology, Anatomy, Chemistry, and Physics are taught best through lab work; the proposed items will allow so much more lab work and the idea of trial and error to happen in our science department for years to come.

20. Describe the rationale, research or past success that supports the innovative project and its impact on student achievement, spending reduction in the five-year fiscal forecast or utilization of a greater share of resources in the classroom.

The rationale behind the student achievement of this project is based off of St. Henry High School’s teachers/staff. We know the positive impact of Gradecam because it was introduced to us by a new staff member who came to us from Indianapolis, where he taught last year. Many individuals on our staff have utilized the free 60-Day Trial, and they are already noticing the success of the program and how it can help their teaching. The rest of the resources that are being asked for have all been researched by different teachers through professional development. Some of the teachers have had experience with the resources at different schools where they have taught in the past.

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

[ ] Yes [ ] No

22. If so, how?

Gradecam would help all districts with their data-driven results. The thing they need is $2.50/student per year and Internet access. This would come down to finances and what different districts in Ohio value. The rest of our innovative proposal could definitely be replicated, but the teachers at each district would have to ask themselves what they value to ensure that the items being purchased do not collect dust on a shelf in the back of the classroom.

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

The project will give more data-driven results for assessments. The project will allow for the use of more 21st Century Learning skills; in particular, the use of collaboration, technological literacy skills, and professional as well as technical reading and writing skills. Finally, with the new Next Generation Science Standards coming in the very near future, we at St. Henry High School feel like we will be better suited and prepared to answer the bell on some of the requirements that these standards are addressing through the value of the items purchased in this proposal. This will have a lasting impact on our students’ learning and preparation for their future college and career readiness.

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.

The quantifiable measures that will be tracked with our proposal are the implementation of these resources in the classroom. If the teachers are using the materials throughout the school year, we can see his & how it is affecting student learning. It would be great to say that we will measure our science, math, social studies, and/or English scores on the ACT to see if we are “successful.” However, the education of a child is not only measured by an ACT score, it is measured by their interest in a subject matter after doing a lab, it is measured by the interaction that the student has with a teacher through the resources bought from this proposal such as the Smartboard, or it is measured by the better grade on the test that the student struggled with because of the data given to him from his teacher through the use of the Gradecam program. How do we measure success? I think if we honestly knew, every school in America would be the same; however, each school is unique and that is one of the greatest attributes about the American school system. It comes down to what we value, and we obviously value data, collaboration, and application skills in our classroom(s) based off our innovative project proposal.

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).

The types of data that will be collected are through the interaction of the students with their labs, the data-driven results given through Gradecam, and the 21st Century teaching concepts used through the purchasing of these materials and equipment. In order to track the program’s progress, I will have to have one-on-one discussions with my teachers on how the implementation is going in their classroom. I can tell if we are hitting our goals through the dialogue that I carry out with my teachers. We do not have a rubric for this implementation like we do for OTES and SLOs; however, I can measure the success of the goal by making sure to walk-through and document what I see concerning the implementation of these materials. I can also have the teachers document their work to ensure they are cognizant of their growth through these purchases. The only way to measure if the program needs modified is through dialogue and observations. If the teachers at St. Henry High School are not meeting the program objectives, it will be my job to have conferences and one-on-one meetings to ensure that success is obtained. This is no different than an Improvement Plan for a teacher who is labeled Ineffective through OTES. We will set up collaboration time and conferences as well as provide the professional development that is needed to ensure that the goals of the program are being met.

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

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.

[ ] Accept. Eric Rosenbeck, High School Principal, St. Henry High School, October 21, 2013