## Budget

Caldwell Exempted Village (045252) - Noble County - 2014 - Straight A Fund - Rev 0 - Straight A Fund - Application Number (274)

### U.S.A.S. Fund #:

Plus/Minus Sheet (opens new window)

<table>
<thead>
<tr>
<th>Purpose Code</th>
<th>Object Code</th>
<th>Salaries 100</th>
<th>Retirement Fringe Benefits 200</th>
<th>Purchased Services 400</th>
<th>Supplies 500</th>
<th>Capital Outlay 600</th>
<th>Other 800</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instruction</td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>4,000.00</td>
<td>307,650.00</td>
<td>120,000.00</td>
<td>0.00</td>
<td>431,650.00</td>
</tr>
<tr>
<td>Support Services</td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>3,000.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>3,000.00</td>
</tr>
<tr>
<td>Governance/Admin</td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Prof Development</td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Family/Community</td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Safety</td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Facilities</td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Transportation</td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>7,000.00</td>
<td>307,650.00</td>
<td>120,000.00</td>
<td>0.00</td>
<td>434,650.00</td>
</tr>
</tbody>
</table>

### Adjusted Allocation

**Remaining**: -434,650.00
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: CSI - Caldwell Students Investigating

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.

3. Overall description of project and alignment with Outcomes

4. Lead applicant primary contact: Provide the following information:
   - First Name, Last Name of contact for lead applicant: Carey Block
   - Organizational name of lead applicant: Caldwell Exempted Village School District
   - Unique Identifier (RN/Fed Tax ID): 045252
   - Address of lead applicant: 44350 Fairground Rd, Caldwell, OH 43724
   - Phone Number of lead applicant: 740-732-4614
   - Email Address of lead applicant: cblock@caldwell.k12.oh.us

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/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.

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.

Our project team consists of a variety of instructional leaders. The elementary principal, Rebecca Johnson, as well as the high school principal, Devon Dettra, will provide instructional support to teachers as they begin the implementation process of digital text for Math and Science. Carey Block, the Director of Federal Programs, will coordinate the transition from hardback to digital text with teachers and students. The IT Coordinator, Phil Theobald will take the lead on purchasing netbook/tablets and installing the texts on them. The elementary teachers have already been provided with netbook/tablet training. Aaron Sliver, a 6th grade teacher and Administrative Graduate Student, will research and provide insight into the purchase of high quality digital text that is aligned to Ohio's New Learning Standards. Jeanne Yontz, CSI Instructor, will facilitate the CSI program for our middle school STEM students. Mrs. Yontz currently serves as one of the lead teachers for 5th grade science in Ohio, helping to construct our new interactive assessment in collaboration with ODE. Mike Schott, Auto Cad and Robotics teacher, will facilitate the CSI program for our High School Students.

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 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.

The primary objective of our proposed project is that the district would like to expand our existing CSI program at the Middle and High School levels. It will first be necessary to obtain new texts that are aligned to Ohio's New Learning Standards for Math and Science. During Phase I,  digital textbooks would be installed on our middle school netbooks/tablets. Teachers will instruct on Ohio's New Learning Standards using aligned digital text. The CSI Program is a hands-on approach to STEM instruction. Eligible students in 5th and 6th grades are engaged in projects that make the application of science and math come true to form. For example, last year the students traveled to Duck Creek and took water samples from various points in the creek and analyzed the data, drawing conclusions about the variations in the water from one location to another. They have also conducted an investigation into the cleanliness of the school. Over 75 bacteria samples were collected throughout the school and cultures were grown to determine areas that needed to be addressed by the teachers and custodial staff. Currently the CSI students are examining the reconstruction of a crime scene. They are analyzing fingerprints, DNA and hypothesizing about suspects and motives. In order to raise funds for a CSI field trip to the WILD$S, students can pay $5.00 to dress like Duck Dynasty on Fridays in November. They will be studying the science behind duck calls and other animal calls, how they are made and how they attract animals. These are just a few examples of how the Middle School Students use the process of investigation to connect with their science standards.

At Caldwell High School, students have the opportunity to expand their investigative skills with courses in Robotics, AutoCAD, and Industrial Technology. These courses are unique to Southeastern Ohio. The skills that are obtained with these courses are comparable to collegiate-level engineering programs. A combination of hydraulics, electricity, Computer Numerically Controlled (CNC), industrial control technology, laser technology, 3D printing, and robotics are available to students in this one-of-a-kind classroom. Currently, there is over $300,000 worth of equipment in the Caldwell High School Advanced CSI program, none of which was paid for out of the general fund. Grant money, fundraisers, and community donations have paved the way for this academic experience. We would like to be able to offer entry-level CAD courses to the Jr. High students, exposing them to the opportunities that await them at the High School. We are continually looking for ways to encourage students to continue their high school education at Caldwell High School through their senior year. In our current financial situation at Caldwell, the program is operate by the Scan Tech Education Modules that are used to run each of the technologies need to be upgraded ($100,000). This is a must for the Advance CSI program to continue. Money from the Straight A Fund would allow us to expand CSI to the entire middle school and high school population. At this time, we are only able to offer the CSI Program to a limited number of students. The Straight A
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.

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?
429,650.00 = Total project cost

* 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.

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.

16. Are there expected savings that may result from the implementation of the innovative project?
90,000.00 = 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.).

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.

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.)

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

Overall, we believe that students will transition smoothly to digital text. Emphasizing the care and maintenance of the netbooks/tablets will be critical moving forward. We have introduced three i-pads per Passroom at the elementary school this year and students have very receptive and respectful toward the new devices. We also need to work with our Jr. High Science teacher, Dugan Hill, to develop a Jr.
High CSI curriculum that will transition smoothly from 4/5/6 to High School. Mrs. Yontz currently uses the CSI program in the 6th grade and would be responsible for expanding it to 4th grade. Mr. Silver will continue with CSI in the 6th Grade. Mr. Schott will continue to teach the Advanced CSI courses, utilizing the opportunity to make some of his component areas of instruction into full-blown course offerings.

**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.

For one, students are beginning to see the program expanded. The 5th and 6th Graders are wild about CSI. Caldwell High School has yielded an entire crop of engineers, doctors, dentists, machinists, and electricians who have made a substantial living off of their training with Mr. Schott. Our 5th grade OAA and 10th grade OGT scores in science have been historically strong. Last year we had 82% of students passing the 5th grade OAA in science; whereas, we only had 67% passing the 8th grade OAA in science. 91% of our 10th graders passed the OGT during the 2012-2013 school year. We believe that the CSI program is the key element in this formula for success, and that the expansion of the program to grades 4, 7, & 8 will narrow the gap in the Jr. High Science Program.

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

- Yes
- No

If so, how?

The curriculum for CSI can be regenerated. Mrs. Yontz and Mr. Schott are willing and able to share their wisdom regarding projects and implementation. They both have a passion for science and engineering. Both individuals have experience writing and developing their own curriculum for courses, even in the absence of state standards for a particular course or subject. CSI could be implemented within any middle or high school - our project ideas, tool kits, and curriculum mapping can all be regenerated within other school districts. Both teachers are in the process of constructing a CSI Tool Kit that other districts could purchase and use in their own classrooms. They are also available to provide high-quality professional development and training for other districts as well.

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

Ultimately, Caldwell Exempted Village School District would like to see students at the high school, remain at the high school during all four years of their education. Mr. Schott's innovative course offerings hold the key to keeping students in the high school. Additionally, we would like to see our District Report Card reflect improvement in student achievement, particularly in the areas of Math and Science. Within our OIP, we have written goals for improving our performance in Math at all grade levels. This is an area of weakness for the district that we plan to address with innovation instructional practices, such as the CSI Program. We recognize that the foundation of the Common Core State Standards in Math and in Ohio's New Learning Standards in Science is grounded in scientific inquiry, investigation, and practice. The CSI Program is learning come to life for our students.

23. 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.

**Short Term Objectives - Obtain curriculum that is aligned to new standards**

- Upgrade technology modules to sustain the advanced CSI Program
- Expand CSI Program to Grades 4, 7, & 8
- Expand Course Offerings in Advanced CSI Program
- Long Term Objectives - Improved student achievement in the areas of science and math in grades 4 - 12
- Increased number of students enrolling in Advanced CSI courses at Caldwell High School
- Increased number of students finishing all four years on the Caldwell High School campus

24. 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.

To measure the success of the CSI Program, report card data from previous schools years will be compared to the 2014-2015 report card and the years moving forward in the area of science and math. We will also collect and analyze enrollment numbers within the Advanced CSI Program to look at interest and need. Additionally, we will collect and analyze participation numbers in the Junior/Senior Advanced CSI Program to look at interest and need.

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 Carey Block Director of Federal Programs Caldwell Exempted Village School District 10/25/2013