

Name of Project **Automotive Electrical Trainers 2.0**

Additional Information about the Project: This project is a continuation of last years high impact grant to increase the capacity of our automotive electrical trainers.

How this project aligns with the School District Strategic Plan and/or School Improvement Plan: This project aligns districts strategic plan by increasing the number of students passing industry certifications which is in Target 1.5 Increase the District's state ranking for high school accelerated performance by two (2) rank positions. This project also aligns with goal one of Sebastian River High School's School Improvement Plan, which revolves around standard based instruction. This trainer allows for multiple standards to be taught at a rigorous level in all three grade levels 10th, 11th, and 12th. The electrical trainers give our students a greater opportunity to earn multiple industry certification during their time in our automotive program ensuring that when they enter the workforce, they are ready.

Amount Requested **\$9,390.00**

Total Project Cost **\$16,285.00 (upgrade to double sided)**

Targeted Population **10th, 11th and 12th grade**

Number of children to be served and grade level(s) **100-110 10th 11th 12th**

Succinct Summary – The Issue, the change, and the action: The Issue: What challenge or opportunity will this grant help your school address? The challenge that we face within the automotive classroom is students grasping the concepts of CAN bus (controller area network) which is technical term for the vehicle's computer network. It is a hard thing to demonstrate in the vehicle since wires and modules are hidden behind trim and other components. In addition to the electrical trainer the other line item is for an oscilloscope to further the students' knowledge base in electrical diagnostics. Due to class sizes rising, I do not have enough trainers to engage all the students in synchronous learning. By adding additional trainer's student engagement will be increased and therefore student achievement will rise. With the current situation of COVID-19 and social distancing having additional trainers will help make the lab environment safer for students.

The Change: What change do you intend to see as a result of this grant? The goal for this grant is to increase student success on the ASE entry level industry certification. By using the trainers to demonstrates common multiplexing circuit controls via a high-speed CAN Bus network; students would use this trainer to build circuits and learn diagnostic trouble shooting skills and apply theory they are learning in class.

The Action: What strategic activities will be included in this grant (what are the steps)? Buy trainer to focus on CAN bus and other electrical circuits. Implement trainer in course work to enhance the student knowledge and application of skills.

Grant Oversight: Who will be responsible for the project? Who provides the oversight? Who will ensure that the project is sustainable?

Garrett Roux, the automotive instructor will be the one who will be responsible for the project. The project will be sustainable due to the fact the trainer is the newest technology. Students will be learning with using the top of industry standard and therefore will enhance their learning opportunities but ultimately their career opportunities.

Monitoring Progress and Results: How will progress and results will be monitored and reported?

Based on the test data that we have from we have already seen the benefits of last year's grant with the high achievement results. The industry certifications student data shows that

on the ASE Entry level exam was increased from prior years. In the 2019 school year, 70% of the juniors that took the ASE Entry level exam passed.

Volunteers: Does this proposal provide an opportunity for community volunteers to support your school? If so, how many volunteers, how often, and what days/times? **N/A**

Itemized Budget: Provide a line by line, itemized budget of all items needed for the project, including cost.

ORDERED QTY	PRODUCT / MODEL	DESCRIPTION	UOM	UNIT PRICE	TOTAL PRICE
1	MP-1918-1S_053037	Single sided CAN bus multiplex system trainer	EA	8,905.0000	\$ 8,905.00
1	AES-USCOPE uScope	uScope digital storage oscilloscope - basic kit - with probes	EA	335.0000	\$ 335.00

DELIVERY TBD

Email orders to: orders@consulab.com

All Consulab products have a one-year limited warranty covering materials and cost of repair. The warranty begins on original date of delivery to the customer. The warranty does not cover component failure or damage resulting from abuse or misuse for other than product design specifications. An extended warranty is not available.

Accepted by : _____
 Print name

 Date Signature

Your order # : _____

FREIGHT: \$ 150.00
SUBTOTAL: \$ 9,390.00
TOTAL: (USD) \$ 9,390.00

