

Boydston, Lila

Page: Basic Information

Nominator Information

Please provide your information as the nominator of this partnership.

Your Name

Boydston, Lila

Email Address

lila.boydston@fwisd.org

Title

Career & Technical Education Partnerships Coordinator

Employer

Fort Worth Independent School District

Phone Number

817-814-1813

Your Relationship to the Partnership?

Lockheed Martin Corporation (LMCO) offers our PLTW Engineering students the opportunity to be engaged in high school internships at their work site during the students' senior year. The application and selection process takes place during the students' junior year of high school. The internship is for the entire school year.

The Partners: Business & Industry

Please provide basic information on the business and industry organizations involved in the partnership.

Business/Industry Partner 1

Business/Organization Name

Lockheed Martin Corporation

Address

P.O. Box 748
Mail Drop 1224
Fort Worth Texas 76101 US

Website

<https://lockheedmartin.com/en-us/index.html>

Main Career Clusters within Industry

Science, Technology, Engineering & Mathematics, Transportation, Distribution & Logistics

Point of Contact

Lindsay E. Wilson

Title

Community Relations Manager, Aeronautics

Email

lindsay.e.wilson@lmco.com

Business/Industry Partner 2 (if applicable)**Business/Organization Name****Address****Website****Main Career Clusters within Industry****Point of Contact****Title**

Email

Business/Industry Partner 3 (if applicable)

Business/Organization Name

Address

Website

Main Career Clusters within Industry

Point of Contact

Title

Email

Provide information on any other additional business & industry partners not listed above. Also, please use this opportunity to briefly explain the unique roles of these businesses in the partnership (if there are more than one involved.)

The Partners: Educational Institutions & Programs

Please provide basic information on the educational institutions and/or programs involved in the partnership.

Education Partner 1

Educational Institution/Program Name

Project Lead The Way, Inc.

Address

3939 Priority Way South Drive
Suite 400
Indianapolis Indiana 46240 US

Website

www.pltw.org

What type of institution is it? (If a program, where is it offered?)

Elementary School, Middle School, High School

Point of Contact

Ami Motsenbocker

Title

Director of Partnerships – Workforce and Career Engagement

Email

amotsenbocker@pltw.org

Education Partner 2 (if applicable)

Educational Institution/Program Name

Address

Website

What type of institution is it? (If a program, where is it offered?)

Point of Contact

Title

Email

Education Partner 3 (if applicable)

Educational Institution/Program Name

Address

Website

What type of institution is it? (If a program, where is it offered?)

Point of Contact

Title

Email

Provide information on any other education partners not listed above. Also, please use this opportunity to briefly explain the unique roles of these educational institutions/programs in the partnership (if there are more than one involved.)

Page: Support Information

1. What problem was this partnership developed to solve?

This partnership was developed to increase work-based learning opportunities for Fort Worth ISD students and to build a pipeline for future engineers for the North Texas region.

2. What steps were taken to get the partnership started?

For this specific endeavor, Lockheed Martin created the initial partnership with Arlington Independent School District. After five years of this program being in place and evolving, Lockheed Martin expanded the number of high school internships they offered and broadened their outreach to other local area school districts.

3. Describe how the partnership was designed to support high-quality CTE.

This is the first work-based learning opportunity for the engineering program in our school district. As an employer and industry representative, LMCO has the resources to evaluate the equipment, facilities and materials used in our PLTW Engineering program to ensure they are consistent with industry standards. LMCO also provides input on current and future workforce demand and skill needs to update this program.

LMCO has reviewed PLTW curriculum, requirements, and provides input on the workforce demands. The internship also assists with providing input on the additional education and training necessary for this career pathway. Through, the on-the-job mentoring that LMCO provides, they are offering true work-based learning experiences for students.

LMCO also participates in CTSOs by mentoring our robotics teams. They have assisted with the required funds as well as by providing the ability to have the PLTW program in our school district. LMCO evaluates the program by having us complete grant reports and financial reports yearly.

4. What were the results of the partnership? What was innovative about the partnership or its output? How did it benefit students and the community?

This is the first year for Fort Worth ISD to participate in this program. Arlington ISD has experienced great success with their students engaged in this program with LMCO.

The first five students who took part in this LMCO high school internship program will soon complete their last year of college and will have a "Signing Day" of sorts with LMCO to become LMCO employees!

5. What were the lessons learned during the process of building the partnership? What would you have done differently?

We can always communicate more and allow more time in the scheduled timeline to better accommodate last minute issues. We can create a more collaborative team approach between the school campuses, the company and school district. A more school campus-based managed program rather than a central administration managed one would allow for greater support of the students who have multiple items and steps to complete in the application process. School campus staff know their students and the areas a student may need modifications or additional resources to be successful. Sometimes the students need additional time outside of class to complete the requirements and campus staff are more in tune with their students' time demands.

6. Is this partnership sustainable? How do you anticipate it will change in the coming year(s)?

So far, the program has shown not only to be sustainable but has grown! If at some point funding for the PLTW program goes away, there might be a direct impact to the continuation of this program.

7. How long did it take to create this partnership?

More than 2 years

8. How large of an investment did the businesses and other partner(s) involved make in this partnership (time and money)?

For the inception of this program, Arlington ISD had numerous working meetings with LMCO representatives. And the Arlington ISD program representative invested additional time and energy to make this a successful program. She provided additional outside-of-work events to better prepare students and parents for these internship opportunities. LMCO had one year of informational meetings with Fort Worth ISD central office staff before extending their high school internship program to our students. As their first year, Fort Worth ISD's PLTW Engineering students are entering LMCO sixth year for offering this program. LMCO has hosted two all day internship meetings for district staff and has invested countless hours meeting with their hiring managers to refine the application and selection process of the internship candidates.

Through the funding that LMCO provides for our district to have the high school PLTW program, it is estimated that LMCO has invested approximately \$50k-75k per year.

9. Would you or an associate be willing to present a session at an ACTE event about this partnership?

Yes