

LAUNCHING CORE PLUS AEROSPACE IN YOUR SCHOOL DISTRICT

Core Plus Aerospace is a two-year high school manufacturing curriculum that prepares students for high-demand jobs through hands-on learning. More than 40 Washington high schools and skills centers offered programs utilizing this curriculum last school year and more schools are choosing to offer Core Plus Aerospace to meet the demand for high-quality, hands-on opportunities for students that can lead to a career after graduation.

HELPING STUDENTS EXPLORE AND PREPARE FOR CAREERS WHILE STILL IN HIGH SCHOOL

Developed and supported by industry leaders like Boeing, the Core Plus Aerospace curriculum includes 1,080 hours of total instruction that provide students with a foundation in manufacturing. Students also learn universal skills such as time management, problem solving, and team building.

PROVIDING OPTIONS AND A PATHWAY TO GRADUATION

The Office of Superintendent of Public Instruction has approved statewide course equivalencies in English, science, and third-year math, so that students can earn the credits they need for graduation and the next steps on their education-to-career pathways. The Washington State Legislature also doubled down on its support for Core Plus in 2019, approving it as one of multiple pathways to graduation.

Core Plus Aerospace students graduate with a clear advantage when applying for jobs in manufacturing, pursuing apprenticeships, and entering certificate and degree programs in fields like avionics, applied science, engineering, mechatronics, and more.

WASHINGTON PARENTS OF STUDENTS AGE 10-18 SUPPORT THE NEED FOR MORE OPPORTUNITIES FOR STUDENTS LIKE CORE PLUS AEROSPACE*

- 75 percent want more career connected learning opportunities for their students
- 71 percent believe it should be at least a high priority to expand Core Plus Aerospace to more schools in Washington after learning more about the curriculum
- 75 percent want more hands-on learning opportunities for their students

** The above results were gathered from a 2018 survey conducted by Strategies 360 of 500 parents in Washington state with children age 10-18.*

Did you know?

- \$87,000 is the average annual compensation for manufacturing workers in Washington state
- 4.6 million manufacturing jobs are projected to be open in the United States in the next decade
- Nearly 1/3 of U.S. manufacturing workers today are women
- There are 300,000 manufacturing workers in Washington state, and a large portion of the state's manufacturing workforce will be eligible for retirement in the next few years



HOW TO BRING CORE PLUS AEROSPACE TO YOUR SCHOOL DISTRICT

ACCESS THE FREE CURRICULUM

Boeing invested over \$750,000 in the curriculum development, and it is available to educators online, free of charge. The curriculum is reviewed and updated by industry and education experts regularly.

GRANT OPPORTUNITIES

There are multiple grant opportunities available to support start-up costs, expansion and maintenance of established programs, and professional development.

The Washington State Legislature increased specific support for Core Plus in 2019, approving it as one of multiple pathways to graduation and allocating \$900,000 to be distributed each year via competitive grants to start, maintain and expand Core Plus Aerospace programs.

The money can be used to support or create a Core Plus program of study. This includes purchasing supplies, tools, equipment, and professional development. Funds can also be used to pay for substitutes while teachers are in training.

PROFESSIONAL DEVELOPMENT

There are professional development sessions for teachers throughout the year for Core Plus Aerospace. Instructors have opportunities to familiarize themselves with the curriculum, interact with peers, get training on the shop floor at Boeing, and earn clock hours.

"My advanced manufacturing classes, and specifically the Core Plus Aerospace curriculum, opened my eyes to what I can do. I know where I'm headed. My future is solid. I hope more students get the opportunity to participate in programs like the one at Lindbergh and that they too can graduate confident and ready for takeoff."

Moyaak "MuMu" Chuol, Lindbergh High School,
Class of 2019 and current Boeing employee in Renton

RESOURCES TO GET STARTED

- Contact the CTE staff at OSPI (careerandcollegeready@k12.wa.us) to get access to the curriculum, enroll in professional development, apply for grants, and get your questions answered as you explore this curriculum.
- Boeing's Washington state workforce development team is here to help. Contact workdev@exchange.boeing.com to discuss partnerships with industry as well as grant opportunities, internships, and hiring events.

MULTIPLE PATHWAYS TO OFFER CORE PLUS AEROSPACE

Core Plus Aerospace allows flexibility for school districts in developing a sequence of coursework, through a skill center or comprehensive high school model, that prepares students for entry into manufacturing jobs and postsecondary programs.

