



News release
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Cascade High recipient of \$22,500 advanced manufacturing grant

Equipment gives Cascade students a jumpstart on Advanced Manufacturing pathway included in 2018 Capital Bond

On Feb. 13, 2018, district voters will consider approving a Capital Bond that will, among other things, pay for vocational and STEM (science, technology, engineering and math) training centers at each of the district high schools.

Cascade High School is slated in the bond proposal for a 4,000 square foot addition and renovation of its science building. Portions of the new space will become a high-tech center in which students learn skills for and career possibilities in aerospace and advanced manufacturing.

In December, Cascade High School got a head start on that career pathway program by earning a \$22,500 from the Aerospace and Advanced Manufacturing Programs Core Plus Grant through the Office of Superintendent of Public Instruction.

With a tagline of “Skills for work; skills for life,” [Core Plus](#) helps students across Washington learn to build airplanes, boats, buildings – and their futures.

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The 2018 Construction Bond includes funding to renovate some existing high school space at each high school for high-tech vocational learning centers, giving students across the district access to in-demand career pathways.

This school year, 24 Cascade High students are enrolled in the school's first Core Plus class – *Principles of Manufacturing*.

In this class, students gain knowledge and skills in application, design, production and assessment of products, services and systems. Students solve problems and learn about safety with hand and power tools. Students are exploring various manufacturing fields and career potential.

Grant funds will buy a Computer Numerical Control milling machine (CNC). These devices are computer driven machine shop tools. Once programmed, a CNC machine transforms a piece of material into a product or part. A CNC operator writes the computer program controlling or maneuvering the tools to carve the material into a specific piece.

Peter Smith teaches the class at Cascade and says, "This new CNC milling machine and CAD/CAM (computer aided drafting and computer aided modeling) software will afford students the opportunity to experience not only CAD/CAM software but to build components they design with a CNC milling machine. This state-of-the-art equipment and software are used extensively in the manufacturing industry and will give our students a tremendous advantage either going on to college or going directly into the manufacturing industry."

Based upon voter approval of the Feb. 13, 2018 Capital Bond, the district plans to offer more Core Plus classes in the Career Pathways programs planned for each of the district high schools.

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For more information:

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Andy Buchan is vice president for strategic development at Esterline Control and Communications and is a member of the district's Career and Technical Advisory Committee.

Having lived in many places around the world, Buchan is impressed with the district and its efforts to ready students for life.

"I am very encouraged by what I've seen in the Everett schools. They put both hands around this challenge of educating young men and women in the STEM fields and have some of the best programs I have ever come across," he said.