

What Do Marshmallows, Small Metal Airplanes and Manufacturing All Have in Common?

Manufacturing Day for South King County High School Students



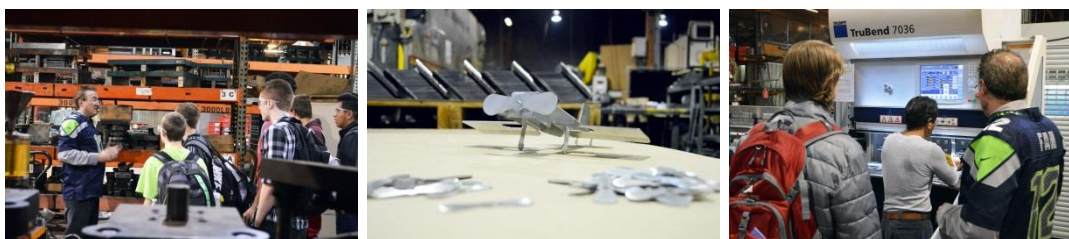
[Aerospace Joint Apprenticeship Committee \(AJAC\)](#) partnered with [Buyken Metal Products](#), [Belshaw Adamatic Bakery Group](#), [CAMPs \(The Center for Advanced Manufacturing Puget Sound\)](#) on October 2nd to host two separate events for Manufacturing Day – a globally recognized day dedicated to addressing the misperceptions about manufacturing by giving manufacturers an opportunity to open their doors and inspire the next generation of machinists, precision metal fabricators and engineers.

Kent-Meridian, Kent-Phoenix Academy and Auburn Mountainview High School students participated in a fun-filled morning of tours, presentations and manufacturing projects. The Kent high school students visited Buyken Metal Products while the Auburn Mountainview students visited Belshaw Adamatic Bakery Group. Students were inspired to consider a career in today's modern manufacturing environment and discover how apprenticeship can serve as a pathway to manufacturing careers including machining, precision metal fabrication and more. All of the students participated in the [Marshmallow Challenge](#), an “instructive design exercise that encourages teams to experience simple but profound lessons in collaboration, innovation and creativity.”



AJAC, a Washington State aerospace and manufacturing apprenticeship program, taught students the basics of Lean while at the same time challenging them to build the tallest structure of free-standing spaghetti, using only tape and string. The ultimate test for students was the structure had to withstand the weight of a marshmallow on top, which is heavier than it looks.

Buyken, a Washington State metal products manufacturer, offered students the opportunity to build a metal airplane while they toured each area of the facility involved in the design, production and inspection processes. Students learned first-hand how different machines, including punch presses, press brakes, laser cutters and laser-guided inspections complete a manufacturing process from start to finish.



Belshaw Adamatic Bakery Group, a donut and bakery equipment designer and manufacturer, took students on a tour, giving them an up-close look at how parts are machined, welded and fabricated for donut production equipment, fryers, convection ovens, deck ovens and other bakery equipment used at restaurants, supermarkets, cafes, wholesale bakeries and more. Students concluded the tour by observing Belshaw's industrial machine fry and glaze donuts for the class.



This year, over 2,300 manufacturing companies celebrated Manufacturing Day by hosting open houses, public tours, career workshops and other events for over 100,000 participants across the United States. AJAC is dedicated to taking part in Manufacturing Day each year with the intention of inspiring young people to pursue careers in manufacturing through apprenticeship.

