

ARLINGTON

Public Schools

*Educating all students, preparing & inspiring
them to achieve their full potential*

NEWS RELEASE

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Submitted by Weston High School students Bryce Courchaine and Javier Del Valle

Arlington (March 26, 2015) - Students at Weston High School were able to see the [Aerospace Joint Apprenticeship Program \(AJAC\)](#) Advanced Inspection and Manufacturing Mobile Training Unit on Wednesday, March 18 when AJAC visited the campus. The goal of having the training unit available to students was to expose them to possible career opportunities in the aerospace field. In the mobile training unit, the students learned about the threads used to make carbon fiber and how heat with pressure are used to reinforce the layers to make them stronger. Terry Hegel, AJAC Facilitator, explained to students how the material is so strong that when he hit a sample with a pick ax, there was just a small dent on the bottom layer.

Machines students viewed in the mobile unit included computerized training stations, 3-D Prototype Technology and a Coordinate Measuring Machine (CMM). The CMM finds coordinates on a piece of carbon fiber. With this machine, operators are able to determine exactly where damage in a carbon fiber component has occurred. This is the only CMM in America and it can be used for new car models made of carbon fiber when they are in an accident.

In addition to the mobile unit, students were amazed and amused with the 75 miles per hour quad chopper drone that was demonstrated by Tyler Harbick in the school parking lot. Each drone costs approximately \$800. Tyler talked about how he has crashed the drones before without any damage to them due to the carbon fiber construction.

[AJAC](#) has a machining program located on the Arlington High School campus where people in the field can receive specific training in Shop Math, CNC Technology, CAD/CAM, Inspection, Metallurgy and Advanced Materials, Cutting Tools, Conventional and Advanced Machining and Print Reading. Apprentices are also introduced to other cutting-edge technologies, such as Waterjet and Electrical Discharge Machining (EDM).

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