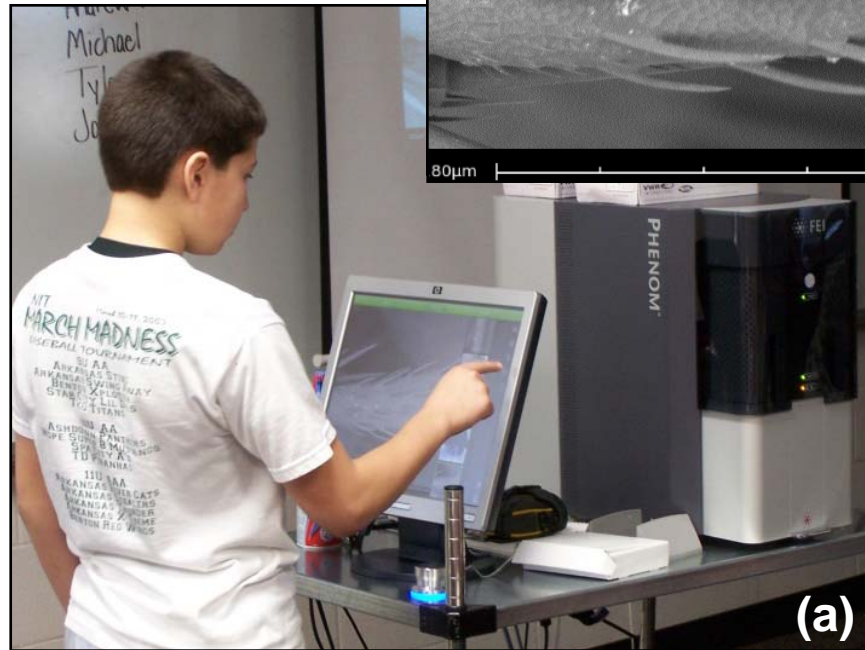


MRSEC graduate students give middle school students the opportunity to use (a) portable scanning electron microscope to examine

(b) an ant leg during a math/science lesson on scaling. They learned that if this ant was as large as a person it's leg would only be about 20 millimeters across.



Achievement: *New Portable SEM for K-12 math/science inquiry lessons.*

Graduate students at the University of Arkansas bring cutting edge technology to local middle school students and allow them to explore the world of nanoscience in real-time. The MRSEC graduate students with the help of an education outreach program from the FEI, electron microscopy company were able to bring a portable scanning electron microscope (SEM) into the classrooms of local middle schools. The SEM allows the students, with their own hands, to explore the world of the “nano.”