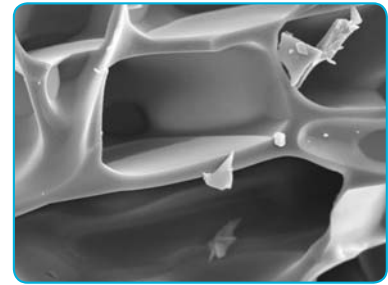
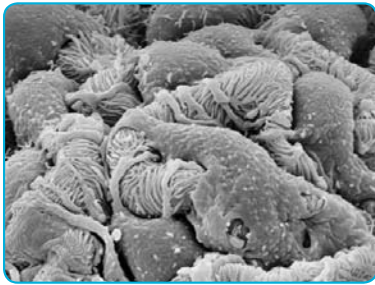


Bring STEM Into Your Science Classroom

How often have your students been amazed by photomicrographs taken with an electron microscope and wondered out loud...



What is that? What kind of microscope did they use? Where do they do that cool stuff? Why can't we see that in our microscopes? Can we get one of those? Can I do that? Can I look at my _____ (fill in the blank)?

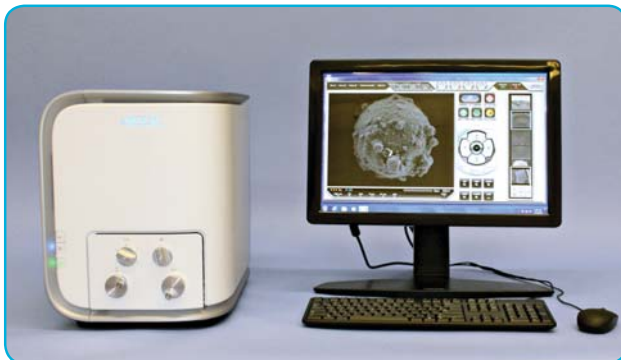
Like most science teachers, you have enough knowledge to answer your students' questions about the basic science. Fortunately, like most science teachers and students, you can find the answers to the more complex questions on the internet. Unfortunately, that is where the exploration ends because reality sets in...

What functional laboratory would welcome 100+ secondary students for a quick visit? Where is this mystical place and how do I get my students there? When can I schedule a field trip that doesn't conflict with band, sports, testing, or lunch? What is the cost?

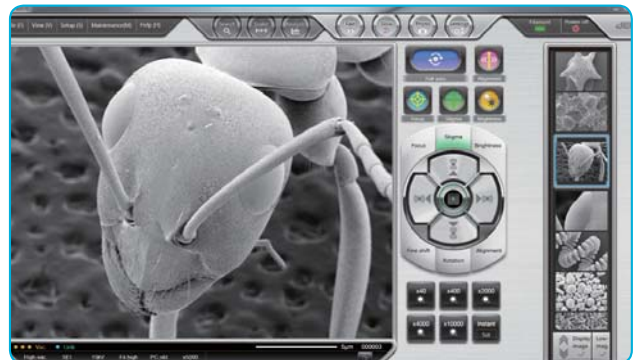
We have the answers for you.

The lab is your school. The time is when it is best for you. The cost is nothing.

Hooke College of Applied Sciences can provide a classroom visit by an experienced electron microscopist that is free of charge to you and your students. Our 'professors' have many years of teaching experience and travel with a state-of-the-art scanning electron microscope (SEM). We will arrive prepared to deliver a presentation that can be customized to your needs.



The portable Neoscope benchtop SEM.



SEM image of an ant.

Information At-A-Glance

Length	The presentation is flexible and can be customized in content and length to fit your classroom needs.
Grade Level	Grades 6 – 12
Content (some, all, or a custom program can be given)	<ul style="list-style-type: none"> • History of the microscope • Basic microscopy • Biological applications • Industrial applications • Chemistry: Identification of materials, specimen preparation • Physics: Wavelength and the electromagnetic spectrum • Educational choices: Is there science in my future? • Vocational choices: Is there money in my science future?
Format	<ul style="list-style-type: none"> • Presentation tailored to your needs • Demonstration of the JEOL scanning electron microscope (SEM) • Examination of prepared specimens • Examination of specimens provided by students • Time for students to use the SEM to examine their own specimens • Questions
Requirements	<ul style="list-style-type: none"> • A standard 120V outlet • A data projector (optional, but desired)



Students view samples using an SEM.



Using a microscope to view pond life.

Hooke College of Applied Sciences, 850 Pasquinelli Drive, Westmont, IL 60559 • 630.887.7100 • education@hookecollege.com

Complete and return this form. We will contact you to schedule your classroom visit.

Name of teacher: _____

Phone number: _____ Email: _____

School name: _____

School address: _____

Grade level: _____ Number of classes/presentations _____

Room accommodations (classroom, lab, auditorium): _____

Number of students in attendance: _____ Number of teachers in attendance: _____

Length of presentation: _____

Goals, special needs: _____

