

Special teacher edition pest press!

## The Bugscope Project!

GO VIRTUAL!



A free resource that gives your classroom interactive access to a

### Scanning Electron Microscope (SEM)

What is the Bugscope Project?

The Bugscope Project provides free interactive access to a scanning electron microscope (SEM) so that students anywhere in the world can explore the microscopic world of insects!

How does the Bugscope Project work?

You sign up, (get your students to) collect some insects, and mail them to Bugscope. They accept your application, schedule your session, and prepare the insects for insertion into the electron microscope.

When your session time arrives, they put the insects(s) into the microscope and set it up for your classroom. Then you and your students login over the web and control the microscope. People from the Bugscope Project will be there over chat to guide you and answer your students questions.

You can also browse selected images such as a grasshopper tibia claw, ridges on the tongue of a fly, horsefly hair follicle, and mouth of a tick through the 'Look Around' search facility. The submitting subscriber invites everyone to 'get close and personal with bugs' through Bugscope!

What grade levels work well?

This project is geared towards kindergarten through twelfth-grade students allowing them to remotely operate a scanning electron microscope and view these insects at high magnification.



Visit the Bugscope project website today!  
<http://bugscope.beckman.illinois.edu>

### Bugscope Project Frequently Asked Questions

How much does it cost to participate?

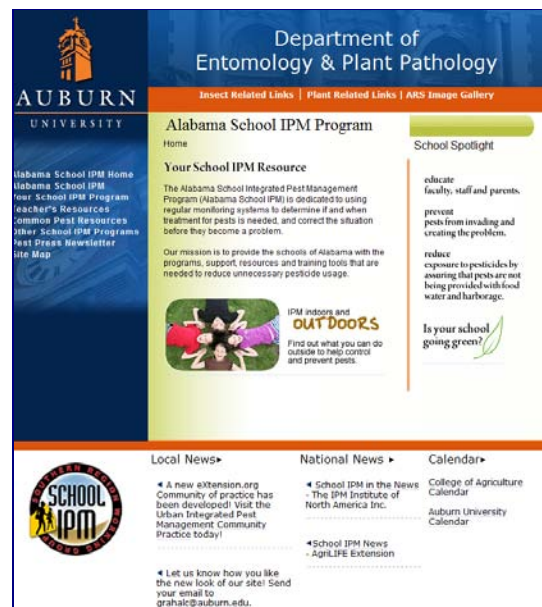
Nothing! The Bugscope project is free.

My group isn't part of a public school, can we still apply?

Yes. They give priority to schools, but science clubs, museum programs, boys & girls clubs, etc., are encouraged to apply. If you are uncertain if your group would qualify, send an email to [bugscope@itg.uiuc.edu](mailto:bugscope@itg.uiuc.edu).

Who is behind the Bugscope Project?

Bugscope was created and is run by the Imaging Technology Group at the Beckman Institute at the University of Illinois, Urbana-Champaign. The Imaging Technology Group (ITG) is a collection of imaging specialists and microscopists who provide state-of-the-art imaging facilities to researchers on the University of Illinois campus. There are also entomology students from the University who frequently join the live sessions to provide extra information about the insects.



*Have a question about School IPM?  
 Visit the Alabama School IPM Website:  
[www.ag.auburn.edu/enpl/schoolipm](http://www.ag.auburn.edu/enpl/schoolipm)*

Special thanks to the Beckman Institute at the University of Illinois for providing this resource, Jerri Caldwell and Dr. Fudd Graham for creating this pest press, and to Jerry Jochim and Donald Baumgartner for bringing it to our attention.

For further information about Alabama's IPM Program, Please contact:  
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