



A corresponding activity from the American Society for Microbiology

Outbreak!! Investigating Epidemics. The following exercise from the American Society for Microbiology helps to connect the idea of pathogen pollution back to humans by having students simulate the epidemiology of tracking an infectious agent among themselves. This exercise can be used as a comparison to the methods used to trace the spread of WNS in bats or could help to serve as a segue into a new lesson on microbes.

It is listed as an activity for grades 5-8, yet it can still serve as a quick and fun exercise for AP students.

<http://www.asm.org/images/MDA-PDF/outbreakbwpdf.final.pdf>

Corresponding activities from the American Phytopathological Society

Who Done It? Or What's That Brown Fuzzy Stuff on My Plum? A safe and simple exercise that uses Koch's postulates to prove that an observed fungus is the cause of fruit disease.

What is the best way for students to get a chance to see fungi up close? Let them grow their own, of course! This is a simple lab exercise that will allow students to see a fungus "live in the flesh" and can be done to teach students about fungus before reading the bat paper.

<http://www.apsnet.org/edcenter/K-12/TeachersGuide/BrownRot/Pages/default.aspx>

Plants Get Sick Too! Plant Diseases Idea Starter. The purpose of the "Plants Get Sick Too!" Idea Starter is just that...to give you ideas of where to start when it comes to plant diseases!

This link contains activities aimed at grades 6-9, however, they can be adapted to higher grade levels. This link provides background information on plant pathology and can be tied in easily with the links found in "Parallel Studies in the Plant World."

<http://www.apsnet.org/edcenter/K-12/TeachersGuide/ThingsToDo/Pages/default.aspx>

A corresponding activity from the National Science Teachers Association

Fungus Amongus. This role-playing simulation is designed to help teach students about the typical life cycle of a fungus.

Designed for middle school students, yet adaptable for high school students as well, this activity is designed to teach students about the typical life cycle of a fungus. This exercise can be completed before reading the bat paper to give students more background on what a fungus is and how it can spread through a population.

http://learningcenter.nsta.org/product_detail.aspx?id=10.2505/4/ss05_029_03_34