

# microBIOMETER® In the Classroom

Educational institutions from grade school to graduate level have utilized microBIOMETER® as a valuable resource in their curriculum. A completely safe, on-site soil test to measure soil microbial biomass, microBIOMETER® supports lectures, lab classes, and student driven research and experiments. With results available in just 20 minutes, it's the perfect tool for educators to connect classroom learning in soil biology with real-life application. This practical approach not only reinforces theoretical concepts but also cultivates a sense of environmental stewardship and responsibility.



While younger students learn about the existence of microbes and the vital role they play in the soil, undergraduate and graduate students perform more complex research and studies. The simplicity and affordability of microBIOMETER® makes it accessible for a wide range of educational settings, from urban classrooms to rural schools with outdoor spaces. This ensures that all students can participate in hands-on research and develop a better understanding of our natural soil. Whether it's an experiment for a science fair, PhD dissertation, or a classroom lesson, microBIOMETER® assists students of all ages in gaining a better understanding of how microbes function and why they are important to the health of the soil, the plants, and the food we eat.

## K-8 SCHOOL

**Lesson Plan:** Engage young students by creating a fun and easy introduction to soil science

**Experiments:** Demonstrate what healthy and unhealthy soil looks like

**Science Fair Projects:** Fuel students' passion and appreciation for the life underground

## HIGH SCHOOL

**Science Class:** Learn the importance of microorganisms and the processes that occur in soil

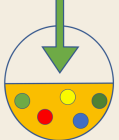
**Lab Class :** Create experiments to determine the effects of fertilizer use on microbial biomass

## HIGHER EDUCATION

**Lab Course:** Incorporate microscopy in conjunction with microBIOMETER® to better understand the soil microbial community

**Thesis:** Evaluate the impact of amendment application or management practices on soil health and crop yield

microBIOMETER®



We offer three kits specifically designed for the classroom -- 30, 60, and 100 tests. Please scan the QR code to view.



Contact Us:

(201) 732-6677

[info@microbiometer.com](mailto:info@microbiometer.com)

[www.microbiometer.com](http://www.microbiometer.com)