

A Start-up Manual for Undergraduate Research Students in Microbiology: Active Learning USA

Abstract

This start-up manual accomplishes two main goals: time effectiveness and education through active learning. By having a research manual, the time professors spend on training students decreases. Through active learning, the retention rate of students increases. The manual is used before research activities begin and serves as an immediate reference throughout students' time in lab.

Activity

Invitation for User Feedback. If you have used the activity and would like to provide feedback, please send an e-mail to MicrobeLibrary@asmusa.org. Feedback can include ideas which complement the activity and new approaches for

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- Learn dish-washing and waste disposal techniques.

Exercise:

- Interpret the labels given below (attach a marked HMIS label in the manual).
- Locate the nearest safety shower and mark it on the building map provided below.
- Locate the "sharp box" and a biohazard bag in the lab and record their locations.
- Find (insert laboratory supervisor's name) home phone number in case of emergency and record it here.

2. Preparation of Solutions

Objectives: