Supplemental Materials

for

Using a Team Structure for Student-Assisted Facilitation of Laboratories in an Introductory Allied Health Microbiology Course

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Appendix 1: Template Facilitator Handout

Appendix 2: A Sample of Facilitator Comments
Today's Date: ____________________ Lab Date: ____________________

Facilitator Name: _______________________________________________

Fill in Prior to Lab

Description of lab for today:

Major questions anticipated:

Safety issues to keep in mind:

Fill in After Lab

Were the anticipated questions common? (yes or no)

If no, then what were the major questions?

What did you feel you “got” most out of facilitating this lab?

Any other comments:
Summary of Student Comments for Gram Stain Laboratory

Fill in Prior to Lab

Description of lab for today:

Student 1: Staining sample on slide, preparing a slide smear for microscopy and the procedure for the Gram Stain.

Student 2: Gram stains of *S. aureus* and *Bacillus* for Gram + and Gram -.

Student 3: First light the gas, wet the slide, note the slide on which to drop the sample. Get bacteria sample out and fix on slide; pass it over flame thrice. Note the area by drawing a circle around. Follow the steps as described in manual.

Student 4: Gram stain; preparing a slide smear.

Major questions anticipated:

Student 1: How to light a Bunsen burner, how to get bacteria from test tubes and making sure the slide is the right way for staining.

Student 2: Turning on Bunsen burners, which way is “up” on the slide, digging inside sample tube (too much bacteria).

Student 3: How do I light the gas? How do I get bacteria sample from the tubes? How do I fix the bacteria on the slide?

Student 4: How to turn on the flamer (Bunsen burner), Digging into the tube for bacteria (on top), Which way is up (pay attention to the slide).
Were the anticipated questions common? (yes or no)

Student 1: Exactly the ones asked, except for the slide being on the right side (not asked).

Student 2: Yes

Student 3: Yes

Student 4: Yes, how to turn on Bunsen burner correctly was most FAQ.

If no, then what were the major questions?

Student 1: Sequence of staining and how to heat slide to fix the slide without burning it.

Student 2: Mainly turning on Bunsen burners, checking slides and microscope.

Student 3: Some complained that they didn’t see anything in the microscope and that the bacteria looked all the same.

Student 4: ----

What did you feel you “got” most out of facilitating this lab?

Student 1: A connection with classmates and a good understanding of using the microscope and the staining process.

Student 2: Understanding the lab at all steps and explaining it to classmates.

Student 3: I learned a lot; by seeing and helping; discovered many things.

Student 4: I got to help everyone with troubleshooting, example staining, Bunsen burner, microscope.

Any other comments:

Student 1: This was a really enjoyable experience; the learning was fun!

Student 2: None

Student 3: A good program; the interaction is good; bring student together.

Student 4: Facilitating is very hectic but fun.