Week 12 (Lab 12)                                      LESSON PLAN LB144 Fall 2024

**Week 12 outline** -> Lab "Notebook Check" day, A&A, **DRAFT1 Paper mini-exercise,** regular PCR & Gels lab, and last they clean-up and do BUMP points.

**Prep**: Clean/organize room. Prep glassware for students making gels. Prep for students performing PCR. Place a manual by the PCR machines, prepare reagents and ladders organized in racks for you to access when needed. Open the Attendance & BUMP point google sheet. Start on time. Remember to have students get ice for buckets.

NOTE: Remember LAs pipet the Taq & dNTPs. Jamie & Jojo keep an eye on PCR machines finishing times.

**\*\*Lab Notebook Check (do for all students, one group at a time).**

Tends to work best if done during "down times" when groups are no longer doing much Science. Go to a table, ask group to "put your name on your Course Pack" and collect all course packs and go to \*another\* room to count: 1. Number of times \*any\* field/lab data collection seems to have been recorded, 2. number of times a full trifecta write-up appears, and put those numbers in the online google attendance sheet. After checking their official notebooks in the Course Packs, and returning them to the group, you may also say to the group "if you also have data recorded elsewhere you may show me that too, now."

**ATTENDANCE (learn names)**O   Take attendance– need to use this to track students who stay, to do extra 4.0-level work.

**ANNOUNCEMENTS**

*1. Prof Interviews continue today for Week 12 people.*

*2. Notebook checks are today for everyone. Be sure your name is on your Course pack. Please do that now.*

3. Today, your group gets to continue "doing science" with your PCR & Gel experiments, you run a gel to see if last week's PCR worked, and for those who opted to start another PCR on Monday, you can check the results of two PCR experiments in your gel.

4. Final paper is due next Friday (Nov 22nd of Week 13). This is week 12. Luckie may give bonus points if you get your group's paper accepted in a day or two earlier than the deadline, more on that to come. Tell me what parts are required or not required in the final paper? Now tell me what part of the Final paper are YOU responsible for? What resources are provided to learn how to write a scientific paper in the Cpack, D2L?

**OK, go do Science!**

(first lab may say MUST start PCR by Xpm so next lab can also use machines once your is done)

**"OK, now the two students who go at Xpm head down to Luckie's office for your Prof Interview."**

Half-way through lab period when people are waiting on gels and bored (whenever seems good) do **Notebook Check.**

**"OK, now the two students who go at Xpm head down to Luckie's office for your Prof Interview."**

**DEPARTURE CHECKLIST** (**With 15 minutes remaining start these**)

* + Make sure students clean up their lab areas, big drawer gets inspected by you.
  + BUMP points now or earlier if you have time
  + Make sure you do not leave until the room is in perfect condition for Dr. Doherty and Balcer-Fullen tomorrow.