SEP Summer Session Agenda 2017

MONDAY, JULY 10
Teaching Lab, B1-076

If you have arranged Residence Inn/Marriott parking, drive first to the Residence Inn, go inside for your pass, park, then walk to Fred Hutch.

8:00  Welcome back!  [Jeanne]
- Check out your security badge
- Peruse resources
- In your journal, write your goals for your experience in this program and any concerns or apprehensions.
- Welcome remarks from Inspirus

8:15  The Private Eye [http://the-private-eye.com] [Caren/Regina]

9:30  Welcome from FHCRC  [Bruce Clurman, Executive Vice President and Deputy Director]

9:45  Program Overview  [Jeanne and Caren]
- Review schedule, expectations, requirements, project
- Address questions/comments from Opening Day
- Consent forms: scientific practices research (optional)

10:15 Break

10:30  ✏️Journal Time: Argumentation Reflection – Classroom  [Jeanne]

10:45  Small Group Discussion: Scientific practice of argumentation in classrooms

11:15  Lab Safety Presentation  [Caren]

11:35  DNA Lab 2: DNA restriction enzyme digests  [Mike and Dawn]
- Flow chart for DNA Lab 2 will be checked and stamped before starting. Use this time to be the student. Teaching strategies will be discussed Tuesday.

12:20 Lunch
1:00  Continue DNA Lab 2: [Mike and Dawn]
   • Prepare gels using FastBlast/Sybr Green protocol, set up markers, stop digests, add sample loading buffer to samples.
   • Load samples and run gels. Stain gels with FastBlast; compare with SYBR Green.

3:30  DNA Lab 2 Analysis [Jeanne]
   • Table discussion and sharing

3:45  Break

4:00  DNA Lab 2 Analysis: Semi-Log Plotting [Greg]
   • Journal Time

5:00  Adjourn
   • Flow chart required for Transformation.
TUESDAY, JULY 11
Teaching Lab, B1-076

8:00  Announcements

8:15  Discussion: Teaching the DNA labs and class management [Lead Teachers]

8:30  Practices: Role of Argumentation, Norms [Jeanne]
Generating questions for sense-making

9:00  Discussion: Idea Coaching [modeling student discourse of analysis]
Idea Coaching Debrief

9:45  Break

10:00  Transformation bacterial transformation lab [Greg and Michaela]
  • Have flow charts ready before starting lab - check and stamp
  • Journal time - Make predictions

12:00  Lunch

12:45  Scale [Dawn and Regina]
  • Serial Dilutions
  • Math connection: Dilutions & solutions problems
  • Journal time

1:45   Models: Water Modeling Kit [Mike and Regina]

2:30   Break

2:45   Models: Insulin Modeling Kit [Michaela and Greg]

3:30   Bloodborne Pathogen Training, Rhonda Ellis, FH Occupational Health Nurse

4:30   Reflection
  • Journal time

4:45   Introduction to Do Your Own Experiment [Mike]
  • Work in groups of 2-4

5:00   Adjourn
WEDNESDAY, JULY 12
Teaching Lab, B1-076

8:00  Announcements

8:15  Argumentation as a Practice [Jeanne]
   - Lab Meeting Video
   - Resources
   - Lab Observations

9:00  Analyze Transformation lab results [Michaela]
      Math connection: Quantifying success
      [How do your results compare to your predictions? What might account for any differences?]

9:30  Discuss Transformation lab results [Jeanne and LTs]
      - Modeling student discourse of analysis [Science Seminar]

10:00 Debrief discussion
      Teaching the Transformation lab and class management [LTs and Staff]

10:15 ✎ Journal time/break

10:30  Plan Do Your Own Experiment [Mike]
      - Work in groups of 2-4
      - Check plan with Lead Teachers and SEP staff before going to lunch

11:45  Lunch

12:30  Do Your Own Experiment [Mike]

3:30  Modeling student discourse: Student Audience Roles

3:45  Reports
      - Present your question, plan, prediction, results [if available]
      - 4 min/group, 1 question
      - Model student audience roles

5:00  Adjourn
      - Re-confirm mentor meeting time/location for tomorrow
      - Information about Lee Hartwell discussion
THURSDAY, JULY 13- WEDNESDAY, JULY 19
(5 weekdays)

With Mentors in Research Labs

JOURNALING

1) Continue to use your journal for CPR².
   • Use the questions on the CPR² half sheet for guidance.

2) Add observations and thoughts about Argumentation/Sense-Making Talk to your Reflections
   • Use the questions on the Argumentation/Sense-Making Talk Prompt sheet for guidance.
   • Be sure to identify an Argumentation Example to share with your colleagues.

VISITS from SEP Staff and Lead Teachers

• Lead teachers/SEP staff will be dropping by during the five days to see how things are going, and borrow your journal briefly.

• Caren will be scheduling time to take photographs with you and your mentor in the lab.

• Please review the Understanding by Design resource prior to Thursday, July 20.
THURSDAY, JULY 20
Teaching Lab, B1-076

8:00    Announcements

8:15    Small Group Discussion: Scientific practice of argumentation in research settings
        • Debrief research lab experience
        • Scientific Practice of Argumentation in Research Labs [Share your Argumentation Example]
        • What did you learn from your observations? What are your 1-2 takeaways about practices in scientific research settings?
        • What are the implications of what you experienced for your teaching?

10:00   Break

10:15   Project Overview and Planning

11:45   Group Photo [Caren and everyone]

12:00   Lunch
        Project Violet Tours

2:00    Project Idea Time
        • Sign up for your Friday meetings

3:00    Curriculum Discussion with Lee Hartwell [Optional]

5:00    Adjourn
FRIDAY, JULY 21
Teaching Lab, B1-076

8:00  Announcements
•  Description of 1-minute resource review for Monday

8:15  SEP LibGuides and Kit Loan Program [Regina/Caren]

8:45  Argumentation/Sense-making in your Project

9:00 – 3:00
Project Proposal Review meetings [discuss your project with one Lead Teacher and one SEP staff member]. Work on projects.

3:00 – 5:00
Peer Feedback or Resubmission

MONDAY, JULY 24
Teaching Lab, B1-076

8:00  Announcements

8:30  Resource Review

9:00  ELISA – MCB Student Lesson Presentation

11:00  Project Work Time

12:00  Lunch
UW in the Classroom – Global Health
Todd Faubion, Julie Beschta

Afternoon  Project Work Time
TUESDAY, JULY 25
Teaching Lab, B1-076

8:00 – 5:00  Project Work Time
  • Work on projects and posters
  • All projects must be ready by Wednesday morning! If you turn in your Project Abstract by 9 AM Tuesday 7/25 we will have it copied for you.

WEDNESDAY, JULY 26 – SEP OPEN HOUSE
Teaching Lab, B1-076

8:00  Prepare for Open House/Poster Session
  • Turn in projects, distribute abstracts, and set up posters

9:30  Community Gathering in Pelton Auditorium
  • Murdock Partners in Science presentation
    o Kimberly Newman, Implementation Coach

11:00 -1:00  Open House/Poster Session
  • Invite your mentor, principal, and colleagues to join us for the Poster Session

1:30  Program Wrap-Up
  • Turn in lab journals [these will be mailed back to you]
  • Turn in security badges
  • Surplus giveaway
  • Workshop evaluation