



PER Group Meeting

Wednesday

February 20, 2008

Dyan – Group Meeting Update

- NARST Papers
 - Working on Literature Review
 - Lots about how aberrometer works!
 - Making Seminar talk for next week
 - This semester's plan
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Jackie

- Since last group meeting:
 - Analyzed transcript with mechanistic reasoning framework
 - Wrote NARST paper
- Next few weeks:
 - Working on Lit Review
 - Analyzing interviews
- Goals for semester:
 - First Three Chapters/Oral
 - Figure out what additional scaffolding we need
 - E.g. We know we need an activity to help students understand the commutator

Mojgan -

Written Extended-Response Questions

- Developing two series of written extended questions to analyze meaningful learning
- Developing some other sample questions for students in Alabama
- The content of questions are about physics of flight, with bringing examples from nature and daily experiences
- Prepare a complete answer sheet to questions
- Analyze the answer sheet according to Neiswandt & Bellemo paper
- Addressing the limitations of their rubric in our case
- Reading other papers
- Combine all the achievements about inquiry to develop a new rubric

Focus Group Interviews – Monday @ 5:30pm

Fran

- Group Participants: 10~12 General Physics 1 Students
- Use Self-Explanation to elicit case-reuse among student pairs

Problem Guidelines:

1. Identify and interpret the principles involved in the problem.
2. If appropriate, represent the problem using a force body diagram.
3. Please specify whether the problem statement provides sufficient, missing, or irrelevant information for applying toward a solution.
4. Use the principles and their respective equations identified above to solve the problem.
5. Explain your solution to your partner. Discuss any similarities that your problem has with your partners' problem.
6. Work together with your partner to create a new problem which incorporates elements of both problems previously discussed.

Charles

The Impact of Science Curriculum on Future Elementary Teachers' Area of Concentration Decision

- 1) Revising Chapters 1, 2 and 3
- 2) Continue with data collection (online survey)
- 3) Preparing for PLT exam and PRAXIS II exam (March 15)

Chris Nakamura

ALT Pathway Project

Recent Progress:

1. Tested first learning cycle in GP1
2. Observed 6 sections video taped 3 sections
3. Have ~300 worksheets to examine, 30 pages of notes, and 4 hours of video to analyze.
4. Observation indicates students had no problem getting through the work, reactions from the students and TA's was mixed.

Spartak 02/20/2008

- Finishing analysis of the last interview series
 - Specifics related to group interaction with the simulation program
- Continuing to write the thesis
 - Revisiting the chapters 1-4
 - Starting the chapters 5-6 (results and instruction implications)

