

Directions

You should prepare a written reflection of approximately 200 words. Please submit it to Gradescope before each week's class in PDF form (Ideally by Thursday 11:59PM PST, so Austin & Elshiekh can read before we meet). Writing should address at least one of the following topics:

- 1) Relate reading topics to your personal experiences leading/participating in a mentoring/TA dynamic
- 2) One or more of the week's discussion questions
- 3) Anything that stood out from the reading
- 4) A discussion question of your own making

You are encouraged to address the topic in a way which will best facilitate your participation in class – sharing insights about the readings, contextualizing our discussions with your own experience, or reflecting on pedagogy and inclusivity.

Writing Reflection Questions

- 1) What could the “Select the Principle” model look like, placed in the context of a mentor session led by a peer mentor?
 - 2) What might be some possible ways to address the barriers pointed out by “How do TAs teach?” Malysheva et. al.?
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Class Discussion Questions

Be free form! These are just a starting point :)

General

- 1) What opinions do you have about the readings?
- 2) What parts of the reading stood out to you?
- 3) Do any questions jump out after the reading?
- 4) Do you relate to the reading from any of your personal experiences?
- 5) Any thoughts to share from anyone's written reflections?

Reading

- What are some concrete ways you have/could apply self-explanation principles in a CS peer mentoring context?
- Do you yourself practice self-explanation?
 - Does it feel natural?
- What's a time when you struggled to learn something?
 - What helped you the most? How could that apply to learners of CS or STEM?
- What other practices help you or help others in learning CS?
- Have you encountered similar barriers as outlined by the "How do TAs teach? (Malysheva et. al.)" article?
 - Examples:
 - TAs guiding students to existing solutions instead of helping conceptually
 - TA guidance too direct, explicit, and code rewrite-heavy
 - TAs experiencing time pressure
- As a TA, what do you feel the goal of a mentor session or lab session is?
- As a student, what do you feel the goal of a mentor session or lab session is?
- Do you notice students altering their behavior based on specific TA personality or familiarity?
 - Is this good or bad?
- What are some solutions or interventions you have seen or want to implement to attack the challenges stated above?

From Phys009

- Do you go to the board often?
- Scaffolding: when should we assume the student is on the introductory vs advanced side of the learning spectrum?
- How do CS classrooms/mentor sessions/labs promote collaboration?
- How do CS learning environments differ from other STEM fields?
- What do you do if you don't know the answer as a mentor?

From our class - Feel free to add your own here!!

- write stuff
- Here

Discussion Notes