

Clinical Interview Project

The clinical interview project includes several steps:

- (1) Examine the task (in class)
- (2) Do a lit review searching for at least 3 articles on transformational geometry and discuss what you have found with the class
- (3) Interview 2 students who are 8th or 9th graders and record the interviews either with video or at least by audio
- (4) Analyze the data based upon your own observations and the ideas presented in the literature you found (at least partially in class)
- (5) Use your analysis and the interviews to write your 8-10 page paper (due first week of December)

I have given you examples along the way. We watched a clinical interview in class together and you observed one that I made up live. I have also posted an example of a rough draft of a completed paper in the week 12 folder.

So here are things to look for as you begin to analyze the data:

- What things happened in the interview that were noteworthy to you?
- What things did the students do or say that surprised you and in what ways were you surprised?
- What things did the students say or do during the interview that you feel are worth documenting with quotes and discussing in the paper?
- How did the students' performance compare to what the literature is telling you about how students think about and solve problems in transformational geometry?
- What do you feel like were missed opportunities now that you listen back to the interviews? i.e. what things do you wish you would have asked then or ideas you would have pressed further if you were given a 2nd chance to do so?
- What stands out in the students' work (if anything) that you feel you need to document in the paper and discuss?
- What evidence do you have based upon the interviews of any claims you think you can make about what the students understand and can do with regards to transformational geometry?
- How would you compare and contrast the 2 students with each other and their ways of thinking based upon what you saw and heard during the interviews?

Guidelines for the paper:

You are to do a write up about your 2 interviews in an 8-10 page paper (NOT including the references page) that is double spaced and uses 12 pt Times New Roman Font. This is in exception to long quotes (more than 2 lines) which are generally indented and single-spaced. You should cite *at least* 3 sources in the References section using standard APA format. You may include copies of the students' work in the paper itself (i.e. the discussion) IF the work you are referencing takes up no more than ½ page of the lower 8 page limit. Anything more than that will be best used as an appendix. Your paper should include a rich discussion that is documented by quotes from both the literature and the interviews.

Your discussion should include things such as a description of each student (NO NAMES – use aliases), interesting things about how the students thought about the task and discussed them with you, comparison/contrast of the 2 interviews, relationship of the interviews to the literature, missed opportunities, etc. You can take a look at the sample of my rough draft of a write-up I did at Florida State several years ago in the week 12 folder.

The paper will be graded based upon it's flow, accuracy and appropriateness of claims made, sufficient documented evidence to support claims made, grammatical correctness (although to much lesser extent of course, but if you give me a paper that has a lot of errors I WONT be happy!), appropriate discussion of details, relationship of the paper to the literature, etc. Please make sure you PROOFREAD the paper before you submit it: remember, a good way to have your paper checked for errors is to have someone else read it for you as they may catch errors that you have missed.

I also want you to add a ½ to 1 page after the paper itself (i.e. this is NOT a part of the paper so it's not in the 8-10 page guidelines) to discuss the following:

- What did you learn about transformational geometry in doing this project?
- What did you learn about student thinking of transformational geometry in doing this project?
- What do you think are the implications for teaching transformational geometry in terms of what you have learned about student thinking from doing this project?
- What role do you see the Common Core Standards playing in your thinking about how to teach transformational geometry? Do you think the content strand has a bigger, smaller, or equal impact than the standards for mathematical practice in the teaching and learning of transformational geometry? In what ways?

- In what ways do you think you have developed your PCK in doing this project?
- If you could change the project in any way, what would you do differently? Why?

DUE: Wednesday, December 3rd at 4:00 pm

Submit as one file in the week 13 folder under the Clinical Interview Tab