

Emory University
Problems and Research to Integrate Science and Mathematics (PRISM)
Program Evaluation
Research Mentor Verbal Informed Consent Form & Structured Phone Interview

PRISM Investigators: Joseph B. Justice (Principal Investigator), Patricia Marsteller (co-PI), Preetha Ram (co-PI)

PRISM Staff Members: Jordan Rose (Program Manager), Phil Gordon (External Evaluator)

Sponsor's Name: National Science Foundation

Consent

Hello, I'm Dr. Phil Gordon. I'm calling you because I am the external evaluator for the Problems and Research to Integrate Science and Mathematics program, which you may have heard of referred to by its acronym, PRISM. I understand you have a graduate student participating in PRISM. As part of our evaluation and research of PRISM, we want to get information from the students' mentors to better understand the impact of PRISM on the students' development. We believe that the mentors of the ten Graduate Student Fellows in PRISM have a unique and valuable perspective as viewed from their interactions with their students, so getting your input is critical to our evaluation. We would like you to participate in a short telephone survey. Your participation in this survey is completely voluntary, and you can choose not to answer any survey question or stop taking the interview at anytime. Your willingness to participate in this survey will have no effect on you or your graduate student's relationship with the PRISM program investigators or Emory University. There are no direct benefits or risks to you in participating in this telephone survey. If you agree, I will record and transcribe our conversation. To protect your confidentiality in the transcription, I will remove all specific references that could identify you or your student, so that no one will know your answers. In transcribing quotes, I will alter them so they preserve your and your student's anonymity. Further, the survey results will be reported back to the PRISM program in aggregate, so your answers will be confidential. The audiotape will be stored in a locked file cabinet in my office in Cheyney, Pennsylvania, and will be erased one year after completion of the PRISM program.

Do you have any questions regarding this survey? If you later have any questions regarding this survey, you can contact me at 610-455-1463. If you have any questions or concerns regarding my background or the objectives of this study, you may contact the Principal Investigator, Dr. Joseph B. Justice at 404-727-6610. If you have any questions about your rights as a participant in this study, you may contact Dr. Karen Hegtvedt, Chair of the Emory University Social/Humanist/Behavioral Research Institutional Review Board at 404-727-7517.

Would you be willing to spend about 10 minutes responding to this eight-question survey? (If no, thank them for their time and end the conversation. If yes, ask if this is a good time? If yes, proceed. If no, reschedule for a convenient time.)

_____ has agreed to participate in the PRISM Program Evaluation Study as described above. I have read the consent form to him/her and he/she is aware of the nature of this study and the role he/she will be asked to take in this research. He/she has indicated that he/she understands that his/her

participation is completely voluntary and that he/she may choose to withdraw from this study at any time. He/she understands that his/her identity cannot be kept completely confidential. He/she is also aware that if he/she has any questions about his/her rights as a participant in the research he/she may contact Dr. Karen Hegtvedt.

Signature of Person Obtaining Consent

Date

Name of Person Obtaining Consent

Interview Script

Context

Before we begin the survey, let me take a moment to refresh your memory about the he Problems and Research to Integrate Science and Mathematics program. PRISM is a three-year project funded by the National Science Foundation. The program involves forming teams consisting of Emory Sciences and Mathematics Graduate and Undergraduate students and area schoolteachers. The teams develop and implement case based learning curriculum.

The PRISM program goals include:

- 1) Enhancing Math/Science graduate students' curriculum development and teaching skills in active learning & teaching practices.
- 2) Enhancing graduate student skills in teamwork required for interdisciplinary science collaboration that leads to success in modern scientific research
- 3) Instilling graduate fellows with skills to communicate science effectively to a broader audience and prepare them to include outreach activities in their career goal as scientists.

(At starting the survey inform the Mentor that they are now being recorded. Get their assent, and start recording).

Questions:

- 1) Describe the nature of your working relationship with the student participating in PRISM.
- 2) How long has your student been participating in the PRISM program?
- 3) Have you observed any changes in the student's interest in teaching, since participating in PRISM?

If yes, please describe the changes you observed in student's interest in teaching.
(Note: probe if changes are attributable to PRISM.)

If no, why do you think the PRISM program may not be producing notable effects on your student's interest in teaching?

4) Have you observed changes in your student's teamwork, since participating in the PRISM program?

If yes, please describe the changes you observed in your student's teamwork. (Note: probe if changes are attributable to PRISM.)

If no, why do you think the PRISM program may not be producing notable effects on your student's teamwork?

5) Has participating in the PRISM program influenced the research progress of your student?

If yes, please describe the changes you observed in your student's research progress. (Note: probe if changes are attributable to PRISM.)

If no, why do you think the PRISM program has not produced notable influence on your student's research Progress?

6) How would you feel about this student continuing with PRISM for another year?

7) Would you recommend the PRISM program to other students working with you? If yes, why? If no, why not?

8) Would you recommend that other faculty consider having their students participate in the PRISM program? If yes, why? If no, why not?

9) Is there anything else you would like to add regarding the PRISM program?