

GK-12 Orientation 2008

July 28, Welcome and Kick-Off (Grad Fellows and Mentors)

11:00-2:00

Information and Evaluation

Lunch w/Speaker- Dan Howard

Expectations of the program, role of fellows as visiting scientists in middle schools

Mentors Only Meeting: Role of the Mentor, classroom observation

July 29, Getting to Know You (Teachers and Fellows)

8:30-9:30

Teachers complete pre-survey, paperwork, expectations

9:30-2:00

- I. Introductions and Icebreaker Bingo
- II. Metaphorming the GK-12: What's your vision for the project? How will fellows and teachers interact? What will the outcomes look like for fellows, teachers, students, etc. How to contextualize experiences while meeting NSF objectives
- III. What's Your Culture? Group Discussion (Split two groups and have them discuss; then present.)
 - a. Math and Science Teachers: What does math and science look like in schools today? What's fun for you and kids....what's difficult? The good, bad, and ugly.
 - b. GK-12 Fellows: What does research look like today? What is the scientific method? Do you really use the scientific method? Visit labs.
- IV. Inquiry, What is it? Text review using critical friends' protocol, "Final Word".
 - a. Article or Position Statement from NSTA

July 30, Shared Work (Teacher, Fellows, Mentors)

9:00-2:00

GK-12 Fellows

- I. Presentations of research.

Teachers

- I. Presentations of Inquiry-Based Activities and student work
- II. Brainstorm exercise of classroom connections (following examples of classroom activities from teachers).

July 31, Planning Research Integration into K-12 Classrooms (Teacher, Fellows, Mentors)

Teachers, GK-12 Fellows, and Mentors use the day to examine the Fall curriculum, discuss how the Fellows' research can be integrated, plan for the GK-12 Fellow in the classroom.

9-10:00 8 groups of 3 (1 fellow, 1 mentor, 1 teacher) |

10-11:00 4 groups of 6 (each school group)

11-11:30 Short presentation of how school is going to incorporate multidisciplinary components