

### **Education Seminar # 4 and 5: Lesson Planning and Article Publication- Sessions 3 & 4**

Speaker: Dr. John Breiner, Associate Professor of Chemistry, University of Cincinnati, University of Cincinnati

Date, Time and Venue: July 6, 2010 from 9:00 AM to 12:00 Noon in Baldwin Hall 757  
and

July 16th, 2010 from 10:30 AM-12:00 Noon in Swift Hall 516

Prepared by:

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This seminar was given by Dr. Jonathan Breiner. Dr. Breiner is an Associate Professor of Chemistry and Teacher Education, Department of Chemistry (College of Arts & Sciences) and Division of Teacher Education in CECH at University of Cincinnati. After receiving his Ph.D. in 1996, Dr. Breiner spent 7 years teaching predominantly at-risk students. In 2003 he received a joint appointment with the College Arts and Sciences and CECH with the primary duty of improving science education for pre-service and in-service teachers. Dr. Breiner has extensive experience creating workshops and courses centered at achieving this primary duty. He has created forensic chemistry workshops based on academic content standards for in-service teacher professional development and most recently created a two-quarter chemistry sequence geared specifically for pre-service teachers. Additionally for the past six years, he has developed workshops and programs for inner-city middle school students as part of the GEAR-UP initiative.

This included a series of two presentations given by Dr. Jonathon Breiner in Baldwin 757 Center on July 6, 2010 from 9:00 AM to 12:00 Noon and in Swift Hall 516 on July 16th, 2010 from 10:30 AM-12:00 Noon. These presentations were given to the RET participants to help them develop lesson plans and journal articles during their RET experience. Below are picture of Dr. Breiner taken during the two seminars.



**Dr. Jonathon Breiner and RET Participants During the Education Seminar # 4**



### **Dr. Jonathon Breiner and RET participants during the Education Seminar # 5**

Dr. Breiner started the presentation by providing information about APA (American Psychological Association) format style in writing papers. The first thing addressed in this presentation was general APA guidelines to following. The APA guidelines state that essays should be typed with double spaces on standard paper with 1 in. margins on all sides. Times New Roman font with 10-12 pt should be used throughout the paper. A page header must be included at the top of every page, and the title of the paper should be in the header flush left.

There should be four main parts in a paper that is written in APA style: a title page, an abstract, the main body, and citations. The title page of the paper should include the title of the paper that is no more than 12 words in length and should not contain any abbreviations. The title page should also include the author's name and the type of institutional affiliation where the author conducts the research. The abstract of the paper is a summary of the key points of the research, which includes the research topic, research questions, participants, methods, results, data analysis, and conclusions. The abstract should only be between 150-250 words. Key words can also be included in this section of the paper. The main body of the paper should include an introduction, research question, setting, discussion, data, results, and conclusions. The various formats can be different due to what type of paper it is and where it is to be submitted. Finally, the citation page includes the references used for the writing of the paper, past tense or present perfect tense should be used when using signal phrases to describe earlier research.

After a brief introduction into writing in APA format, Dr. Breiner allowed RET participants to work together in their research article groups to discuss their research topics and the research journal they were to submit their article into. Organizations that RET participants could submit their articles to included National Science Teacher Association, the Journal of Research and Science Teacher, and the American Association of Physics Teachers to name a few.

Dr. Breiner had discussions with each of the RET groups to discuss which their journal would be submitting their articles to and whether those associations would be effective to the subject they are writing on. RET participants were also allowed to research articles which could help in the writing of their articles and possibly use in the reference section.

The second part of this seminar was to follow up with teachers and answer any question that might have come up while teachers were preparing their journal articles. Dr. Breiner ran a more informal second session allowing teachers to work on their articles while he walked around, read papers and gave informative feedback to the teachers. If teachers were comfortable they were allowed to work in different locations on campus and email Dr. Breiner with any questions. Teachers were told their articles were due July 26, 2010.