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Robb Sinn* (rsinn@ngcsu.edu), Math/CS Dept, NGCSU, Dahlonega, GA 30597. *Mathematics Career Simulations.*

I wanted my students to work in teams and present problems to the class. They whined. I cajoled. But this semester is markedly different. Students now organize conferences (held during the first 30 minutes of class). Homework problems are presented, but most presenters show their proofs, generalizations or discuss solving classes of problems. They typically include PowerPoint slides, graphing calculator demonstrations or handouts. Students edit class journals and pose "research" topics. Student editors have papers refereed and decide whether to publish them. Scholarship points are awarded for each activity, and additional points are awarded to more difficult problems and proofs. Scholarship points are earned for scholarship, teaching and service. This framework transformed my class into a student-led, student-oriented problem solving laboratory where students write and talk about mathematics. The simulation is half the semester grade, and students prepare a promotion and tenure portfolio. Many hope to reach tenured, full professor status, but only top scholars make it! (Received September 07, 2005)