

1056-K5-1587

Ryo Ohashi* (ryoohashi@kings.edu), King's College, Department of Mathematics, Wilkes-Barre, PA 18711. *The most engaging activity in Mathematics/Computer Science Club*. Preliminary report.

All mathematics major students must take a proof writing course in their first semester at King's College. As a part of the course, the students in the class have to create their own axiom systems as their final project, and they should make up several original theorems based on their axioms, which may be still clumsy statements and/or proofs. The most successful activity is that the club encourages the students to rework and refine the projects designed during the proof writing course in their first semester. Then, their original axiom systems are presented to students and faculty members at mathematics colloquium sponsored by Math/CS club. Those students have an opportunity to learn a public presentation skill and can experience organizing a professional seminar through the activity. In addition, some of the students present their axiom projects at a local MAA meeting each year. A reader may wonder how the process works. In this talk, I will explain how to carry out this unique but successful activity. In fact, you will see some of the students' work to feel an idea of our activity. (Received September 22, 2009)