

1135-VK-2451      **Joyati Debnath\*** (jdebnath@winona.edu), 64 White Oak Court, Winona, 55987. *The Game of Proof.*

Students in courses like Foundation of Mathematics that leads to Abstract Algebra, Number Theory and Real Analysis, often, do not demonstrate the idea of step by step logical and thoughtful analysis of the proof techniques. After several hours of lectures and grading several assigned works, it appears that the students are still vacationing in a faraway island. Students in my class were handing in work that is either copied from somewhere in the internet or copied from each other. In this presentation, I wish to share The Game of Proof that was introduced to the course in the hope of making my students think individually. They learned to write each of the proof techniques in their own words and in thoughtful manner without being persuaded by another fellow friend or the instructor. The Game of Proof made the students participate and kept them engaged in the teaching and learning process. (Received September 26, 2017)