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Wayne Tarrant* (w.tarrant@wingate.edu), Department of Mathematics, Wingate University, Wingate, NC 28174. *Using Game Theory in a Math for Liberal Arts course.*

Colleagues in other departments have actually told me that they want the Math Department to teach high school consumer math for our Math for Liberal Arts (MLA) course. It is my preference to teach students to reason for themselves. At the same time I want the students to have practical skills they can use in their other courses and in life. Thus, it is my proposal that we teach rudimentary game theory to our students in MLA courses. In this talk I will discuss how IBL approaches to solving the ultimatum game have worked for me. I will also relate experiences of guiding students to the optimum position for a candidate when the populace holds three different opinions on a continuum of opinions that can be represented by a line segment. I will mention further areas that might be included in such a class and welcome suggestions from the audience. (Received September 10, 2012)