

1086-R1-1881 **Russell D. Blyth*** (blythrd@slu.edu). *Improved appreciation of mathematics through an IBL liberal arts mathematics course.* Preliminary report.

The author has taught an inquiry-based liberal arts mathematics class using the text “The Heart of Mathematics” by Burger and Starbird sixteen times since spring 2001, during which time he has gathered responses from students that illustrate significant changes in their attitudes towards mathematics during the course. In particular, the responses gathered at the end of the semester are often eloquent about understanding the great ideas of mathematics that are made accessible to students in this course and about seeing connections between mathematics and the “real world.” (Received September 24, 2012)