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**David A. Brown\*** (dabrown@ithaca.edu), Ithaca College, Dept of Mathematics, 953 Danby Road, Ithaca, NY 14850-7000. *From Inquiry to Research - Fostering Research with Undergraduates.*

The Mathematics Department at Ithaca College has maintained a research course sequence for several years. Recently, we added a first year inquiry based course, *Mathematical Experimentation*, to introduce students to the nature of experimentation and conjecture/proof in mathematics. This course, along with a second year course, *Sophomore Seminar*, prepares students for the junior level research sequence of *Junior Seminar* and *Research Experience in Mathematics*. We will discuss the impact of this inquiry-based approach on the majors (and non-majors.) We also highlight future changes in the senior year that will provide a conclusion to the research efforts in the first three years. (Received August 15, 2009)