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David Karl Ruch* (ruch@msudenver.edu), Department of Mathematical and Computer Science, Denver, CO 80217, and **Joanne Odden**. *Pairing A First Year Modeling Course with Introductory Biology*.

This talk will report on outcomes from teaching a College Algebra with Modeling course to freshmen, with strong ties to an introductory biology course taken by the same set of 24 students during Fall 2012. Numerous examples and assignments in the math course are specifically tied to topics discussed in the biology course, with the biology motivating the mathematical models and the mathematics providing insight into the biology. In particular, mathematical modeling is linked to several labs, including genetics, photosynthesis, and enzyme kinetics. The 24 students taking this pair of courses form a Learning Community within the MSU Denver First Year Success Program. (Received September 05, 2012)