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Mary Beisiegel* (mary.beisiegel@oregonstate.edu), Department of Mathematics, 368 Kidder Hall, Corvallis, OR 97330, and **Lori Kayes, Michael Lopez, Richard Nafshun** and **Devon Quick**. *Creating Connections in the Content: Using Curriculum Foundations to Improve College Algebra.*

Faculty from Mathematics, Chemistry, and Biology developed a detailed mapping of the content of College Algebra, Introductory Biology, and Introductory Chemistry. The map consists of mathematical concepts found in each of these courses, with examples of variations in mathematical emphasis, language, representations, and applied problems. The goal of this mapping is to understand the mathematical work in biology and chemistry and how it might read and look different from comparable mathematical work in the college algebra course. With the map completed, new activities are being developed for the college algebra course that present the language and representations from biology and chemistry. In this presentation, we will share the content map and the deepened connections we are creating through applied problems in college algebra. (Received September 26, 2017)