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Deborah Hughes Hallett* (dhh@math.arizona.edu), Department of Mathematics, University of Arizona, Tucson, AZ 85721. *The Power of Interdisciplinary Bridges: Throwing the Net Widely.*

Some students are fascinated by the elegance of mathematics. Others are captured by the connection between mathematics and other fields—science, art, business, or medicine. These interdisciplinary links are important for our own teaching; they are equally important in the K-12 classroom. Perhaps surprisingly, for many students, seeing mathematical ideas in context deepens their mathematical intuition—as well as their appreciation of the power of mathematics. These links provide a vehicle for teachers teaching to the Common Core State Standards, in which fluent understanding is key. For us, interdisciplinary connections provide a bridge for collaboration with K-12 teachers in workshops that explore mathematics in other fields. In this talk, we will look at ways to use interdisciplinary bridges and talk about how develop them, with examples from climate change, oil production, the spread of disease, racial profiling, and drug testing. (Received September 20, 2010)