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How to Include More of the Arts in Mathematics for Liberal Arts.

Discovering the Art of Mathematics is an NSF supported effort to develop a library of ten inquiry-based learning guides which seek to emphasize the continuing role of mathematics as a cornerstone of the liberal arts tradition. This focus includes: the role of mathematics as an intellectual pursuit, its continuing impact in shaping history, culture, logic, philosophy, and knowledge, its status as humanistic and aesthetic discipline, and its extensive contemporary growth.

Following a brief description of our project, the audience will sample several different curricular segments and activities which have been developed. The samples will illustrate the meaningful mathematical connections with the visual arts, philosophy, literature, logic, music, dance, culture, and other areas which compel increased interest for our liberal arts students.

We will close by providing references for resources that can used selectively to supplement an existing course or can used for the basis of an entire course. (Received September 22, 2009)