



Post Fellowship Reporting - Project Summary

Report Title: Making Mathematics Visible **Name:** Matthew Glavin
Other Team Members:
Program: Boston Program
Trip Dates: 11/30/-0001 - 11/30/-0001 **Location Visited:** Austria/Europe
Post Fellowship Reporting Template: PFR Template 01

Project Summary: As a high school mathematics teacher, I am always seeking ways that will enable me to make mathematics more real in the minds of my students. This Fund for Teachers grant enabled me to partake of two extremely valuable learning experiences: First, I attended the Ed-MEDIA 2008 World Conference on utilizing the latest technology in education; and secondly, I visited a number of museums in Europe that strongly foster an understanding and appreciation of mathematics with interesting, interactive exhibits. The conference highlighted the fact that the Global Village has been ever more fully realized through the World Wide Web. With my visits to mathematical collections, I was fortunate to be present at the same time as large groups of children whose enthusiasm for investigating the exhibits confirmed my belief that it is possible to create richer lessons with a mathematics that is more comprehensible by a larger public. I hope that my classroom culture will develop into one where the wonder of visible mathematical models can create a genuine, greater interest in all things mathematical.

Career Impact: *Attended ED-MEDIA 2008 World Conference on Educational Multimedia, Hypermedia & Telecommunications in Vienna

*Met with educators from around the world and shared best practices on using technology

*Visited various mathematical museum collections in Europe including the Mathematikum in Giessen, Germany—the world's first museum devoted entirely to mathematics!

*Renewed my lifelong interest in mathematics

Classroom/Community Impact:*Began creating 3-D models for my classroom to make mathematics more visible

*Shared knowledge gained from conference with colleagues in content meetings

*Learned new ways for making mathematics more interesting with technology.

Open Response: *A large display case to illustrate exponentiation through the powers of 2.

*A lab unit on illustrating data with and without technology

*A slide show of the 3-D models I encountered in mathematics museums

*An interdisciplinary unit with my colleagues in the art department on perspective

Quote: From the Abstract to the Concrete

Photos:



Vienna University of Technology



Museo di Scienza Milan



Johann Strauss Monument, Stadtpark, Vienna



Main Train Station, Milan



Mathematikum Museum, Giessen, Germany



Museums Quarter, Vienna



Mathematikum Museum, Giessen, Germany



Leonardo da Vinci, Milan