Teacher Quality

The work of COMAP since its inception has been to create curriculum materials to enhance both student and teacher mathematical knowledge and understanding. We have done this through a series of projects (funded by both public and private foundations), producing journals, modules, texts, as well as video, streaming video and web-based courses. In particular, we have created modules for high school and middle school teachers, which demonstrate the teaching of mathematics through applications and mathematical modeling. We have produced a text for use as a methods course for pre-service middle and high school teachers, which features new approaches to both content and pedagogy. Through a current National Science Foundation project, CourseMap, we are in the process of creating 8 web-based courses for use in teacher development in-service courses at the elementary, middle, and high school levels.

Public engagement

We have produced three television courses for the Annenberg/CPB project. These telecourses were intended not only to serve as for credit distance education college offerings. They have put a human face on new developments in mathematics and visually demonstrate the importance of mathematics and mathematics education to analyze and solve important contemporary economic, social and technological problems.