

Archived Information

Montana State University – Bozeman

Over 40 Montana State University – Bozeman (MSU) science, mathematics, engineering and education faculty are currently collaborating on a number of initiatives to improve the quality of K-12 teachers of mathematics and science. The campus's tradition of cross campus cooperation helps MSU to address all three goal areas established by the Mathematics and Science Initiative.

Supporting High Quality Research – Addressing issues of diversity, equity and the achievement gap using a multi-institutional and regional approach - A little over a year ago, MSU received an NSF Center for Learning and Teaching award in partnership with four other high education institutions (Colorado State University, University of Northern Colorado, Portland State University, and University of Montana). Together the institutions have recruited more than 30 doctoral students in mathematics, the sciences and education; developed a shared “core curriculum” (now being team taught on the Internet); and launched a series of investigations in the partner schools to address the broad question, “Why is the mathematics and science participation and performance of certain culture, language and income groups so low, and what can be done about it?” During the next five years the Center's work will result in more than 60 doctoral dissertations and faculty-led research on better serving mathematics and science teachers in middle and high schools serving high need student populations.