

On the Cutting Edge

Teaching Mineralogy, Petrology,



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and Geochemistry David W. Mogk, Guest Editor
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ABOUT THE COVER: Students exploring columnar basalt at Hepburn Mesa, north of Yellowstone National Park, Montana, USA. Geologists use activelearning techniques every time they bring students in the field. Learning in the field occurs as students construct their own knowledge base through inquiry, discovery, application of scientific concepts and content, practice of technical skills, and use of the cognitive strategies employed by "master" geologists. These approaches to learning can be applied throughout the curriculum in mineralogy, petrology, and geochemistry. PHOTO COURTESY Dexter Perkins

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