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**Harriet Pollatsek\*** (hpollats@mtholyoke.edu), Department of Mathematics and Statistics, Mount Holyoke College, South Hadley, MA 01075. *Developing Mathematical Ideas: A course for in-service and pre-service teachers of K-8 mathematics at Mount Holyoke College.*

Mount Holyoke offers a course aimed at both in-service and pre-service teachers of K-8 mathematics. The course is based on classroom case studies illustrating student thinking drawn from Developing Mathematical Ideas (DMI), a professional development curriculum designed to help teachers think through the major ideas of K-8 mathematics and examine how children develop those ideas. The DMI materials were created through a collaboration among the Educational Development Corporation, TERC, and Mount Holyoke's SummerMath for Teachers (SMT) program. Our course was conceived by the directors of SMT, and it is taught by them, under the sponsorship of the departments of Mathematics and Statistics and of Psychology and Education. I will describe our course and the materials it uses, and include comments from the participants. (Received August 23, 2006)