



The Continuum of Secondary Science Teacher Preparation: Knowledge, Questions, and Research Recommendations

By -

Sense Publishers, United States, 2009. Paperback. Book Condition: New. 229 x 155 mm. Language: English . Brand New Book ***** Print on Demand *****.The mission of the Knowles Science Teaching Foundation (KSTF), to increase the quantity of high quality high school science and mathematics teachers in United States High Schools, calls for a deeper understanding of what it takes to prepare and support successful teachers. On September 21, 2006, KSTF convened a group of 41 individuals with a broad range of perspectives and expertise to address three essential questions with regard to secondary science teacher preparation: What do we know, what do we need to find out, and what research will help us fill in the gaps? Participants were intentionally selected from a diverse cross section of the education community and included teachers, educational researchers, teacher educators, policy specialists and scientists. The 41 participants formed 12 working groups and spent two and a half days addressing the following aspects of teacher preparation: recruitment and retention; models of secondary science teacher preparation; pedagogic preparation including field-based experiences, methods courses, and preparing teachers for diverse populations; content preparation in biology, chemistry, Earth science, and physics as well as the nature of science...



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