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Innovative Methods for Science Education: History of Science, Ict and Inquiry Based Science Teaching

By -

Frank & Timme GmbH. Paperback. Book Condition: New. Paperback. 358 pages. Dimensions: 8.3in. x 6.0in. x 0.9in. This collective book results of several meetings since 2006 between European historians of science and technology. Regularly, the six editors (and most of the authors present in this publication) organized symposia inside international conferences about the role of history of science and technology in science education and teacher training. The principal objectives of this book are: i) to enlighten and to discuss different research problems concerning HST (History of Science and Technology) and ICT (Information and Communication Technology), HST and IBST (Inquiry Based Science Teaching), HST and Science Education. In this way, it is dedicated to scholars, ii) to offer teachers and teacher trainers different ways to explore HST by using digital resources online, using a new teaching method and to become more familiar with the method in HST. As historians, the six editors develop research in the following fields: history of mathematics (O. Bruneau, M. R. Massa-Esteve and T. de Vittori), history of physics, chemistry and technology (P. Grap, P. Heering, S. Laub). As teacher trainers at the university, they are also involved in research in science education about the role of HST...


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Reviews

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