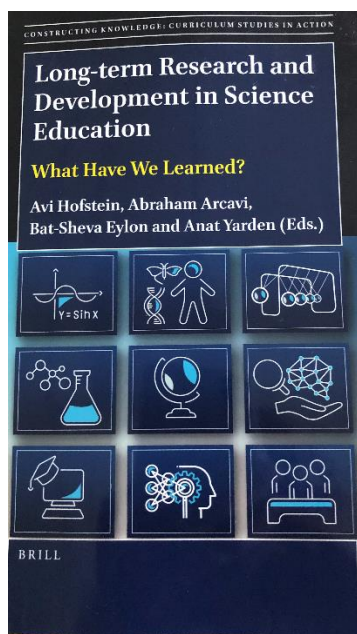


The book "Long Term Research and Development in science education – What have we Learned?" Edited by Avi Hofstein, Abraham Arcavi, Bat Sheva Eylon, and Anat Yarden is published.

The book describes the involvement of the Department of Science Teaching at the Weizmann Institute in science education – research, development, and implementation.



Over the past 50 years the Department of Science Teaching at the Weizmann Institute of Science in Israel, was actively involved in all the components related to curriculum development, implementation, and research in science, mathematics, and computer science education both learning and teaching. Clearly, these initiatives are well designed and effective examples of long-term developmental and comprehensive models of reforms in the way science and mathematics are learned and taught. The 16 chapters of the book are divided into two key sections the 1st, curriculum development in the sciences and mathematics and the 2nd to the implementation of these areas and its related professional development. Following these chapters two commentaries were written by two imminent researchers in science and mathematics teaching and learning: Professor Alan Schonfeld from UC Berkeley, in the USA and Professor Ilka Parchman from IPN at the University of Kiel, Germany. The book as a whole, as well as its individual chapters, are intended for a wide audience of curriculum developers, teacher educators, researchers on learning and teaching of science and mathematics and policy makers at the university level interested in advancing models of academic departments working under a common philosophy, yet under full academic freedom.