

1. Record Nr.	UNINA9910968579203321
Autore	Olson Steve <1956->
Titolo	Strengthening high school chemistry education through teacher outreach programs : a workshop summary to the chemical sciences roundtable // Steve Olson, Rapporteur ; Chemical Sciences Roundtable, Board on Chemical Sciences and Technology, Division on Earth and Life Studies, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, 2009
ISBN	0-309-14072-2 1-282-13038-2 9786612130380 0-309-12860-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (71 p.)
Disciplina	540.71073
Soggetti	Chemistry - Study and teaching - United States Science - Study and teaching - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Preface""; ""Acknowledgment of Reviewers""; ""Contents""; ""1 Overview""; ""2 Science and Science Education in the United States""; ""3 The High School Chemistry Teacher: Status and Outlook""; ""4 Initiatives by Federal Agencies""; ""5 Exemplary Programs""; ""6 Activities by Nonprofit and For-Profit Organizations""; ""7 Future Actions""; ""Appendixes""; ""Appendix A: Workshop Agenda""; ""Appendix B: Biographies""; ""Appendix C: Poster Abstracts""; ""Appendix D: Workshop Attendees""; ""Appendix E: Origin of and Information on the Chemical Sciences Roundtable""
Sommario/riassunto	A strong chemical workforce in the United States will be essential to the ability to address many issues of societal concern in the future, including demand for renewable energy, more advanced materials, and more sophisticated pharmaceuticals. High school chemistry teachers have a critical role to play in engaging and supporting the chemical workforce of the future, but they must be sufficiently knowledgeable and skilled to produce the levels of scientific literacy that students need

to succeed. To identify key leverage points for improving high school chemistry education, the National Academies' Chemical Sciences Roundtable held a public workshop, summarized in this volume, that brought together representatives from government, industry, academia, scientific societies, and foundations involved in outreach programs for high school chemistry teachers. Presentations at the workshop, which was held in August 2008, addressed the current status of high school chemistry education; provided examples of public and private outreach programs for high school chemistry teachers; and explored ways to evaluate the success of these outreach programs.
