

Part I	The Purposes of Geography Education	1
1	Introduction to the Handbook of Geography Education	3
	Sarah Witham Bednarz and Jerry T. Mitchell	
2	An Introduction to Geography Education	13
	Joop van der Schee, Nina Scholten, and Susan Caldis	
3	The Geographically Informed Person: Past, Present, and Future	35
	Roger M. Downs	
4	The Discipline of Geography and Geography Education	59
	Rafael de Miguel González	
5	Developing Democratic Citizens Through Geography	81
	Rebecca Theobald and Anne M. Evans	
6	Geographical Thinking Versus Spatial Thinking	109
	Jongwon Lee	
7	Powerful Knowledge as a New International Trend in Contemporary School Geography	131
	Jesús Granados-Sánchez and Alan Reid	
8	Empathy and Compassion in Geography Education	161
	Tricia Seow, Keith C. Barton, and Li-Ching Ho	
Part II	Perspectives on Geography Education	181
9	Doing Research in Geography Education: An Overview of Trends, Paradigms, Methods, and Dissemination	183
	Péter Bagoly-Simó	
10	Approaches to Geography Curriculum Development	225
	Audrey Mohan and Lindsey Mohan	

11	The Role of Local Curricula and International Frameworks in the Practices of Geography Education	253
	Chew-Hung Chang	
12	Instructional Quality and Student Learning in Geography	275
	Nina Scholten, Natalie Bienert, Martina Mehren, and Rainer Mehren	
13	Asset-Based Geography Education: Teaching for and About Elements of Justice, Equity, and Inclusion	297
	Kelly León	
14	Critical Pedagogies in Geography Education	329
	John Morgan	
15	Exploring Geography and Education for Sustainable Development Through Issue-Based Case Studies	355
	Karen S. Barton	
16	The Evolution of the Use of Geospatial Technologies and Their Impact on Spatial Thinking in K-12 Classrooms	373
	Robert A. Kolvoord	
17	Geography Education, Geomedia, and the Digital Condition	389
	Inga Gryl and Uwe Schulze	
18	Designing Richer Science Learning Experiences Using Geography	405
	Audrey Mohan, Lindsey Mohan, and Daniel C. Edelson	
Part III	Practices of Geography Education	425
19	Fieldwork and Geography Education	427
	Sandra Sprenger, Nina Scholten, and Susan Caldis	
20	Effective Pedagogies in Geography Education	449
	Gillian Kidman	
21	Instructional Materials and Textbooks	469
	Kathrin Schulman	
22	Assessment and Geography Education	497
	Kelly Swanson and Kyle Tredinnick	
23	Problem-Based Learning, Debates, and Role-Play as Active Collaborative Pedagogies in Geography Education	509
	Aubrey Golightly and Kaveesh Roopcharan	
24	Teaching Geography and the Social Studies to Students with Learning Disabilities	535
	Gillian Acheson	

25	Empowering Young Learners Through Geography Education . . .	551
	Daniela Schmeinck	
26	Exploring Geography Through Outdoor Learning	569
	Luke Parker	
Part IV	Preparing Geography Educators	607
27	Learning to Understand and Teach Geography	609
	Simon Catling	
28	The Educational Foundations of Training to Become a Secondary-Level Geography Teacher	649
	Alexander Standish	
29	Reform in Teacher Education Programs	681
	Fernando Alexandre	
30	Geography Teachers' Networks as Platforms for Continuous Professional Development: Experience from the Netherlands and Czechia	723
	Martin Hanus and Uwe Krause	
31	Geospatial Technologies and Teacher Education	751
	Injeong Jo	
Part V	Possibilities for Geography Education	777
32	Futures for Geography Education	779
	David Lambert	
33	Future School Geography Curricula: The Role of National Frameworks	791
	Eleanor Rawling and Alan Kinder	
34	The Future of Geography Education in Southeast Asia	809
	Chew-Hung Chang and Tricia Seow	
35	Futures for Geography Education in China	823
	Yushan Duan, Rong Ding, and Shanshan Liu	
36	Future Scenarios for Geography Teaching in Croatia	839
	Ivan Ivić, Martina Jakovčić, Karlo Mak, and Ružica Vuk	
37	Contemplating the Future for Primary Geography Education: An Irish Perspective	853
	Anne M. Dolan and Joe Usher	

38	Finding Futures: Purposes of Geography in the Irish Education System	869
	Susan Pike	
39	The Future of Geography Education in Chile	887
	Fabián Araya Palacios and Sandra Álvarez Barahona	
40	Teaching Geography in Brazil	899
	Livia Reis Dantas de Souza and Sonia Maria Vanzella Castellar	
41	EUROGEO: An International Leader in Geographical Education	913
	Rafael de Miguel González, Karl Donert, María Luisa de Lázaro Torres, and Luc Zwartjes	
42	Challenges for Future Geography Education and the Role of the Commission on Geography Education of IGU	935
	Gillian Kidman and Martin Hanus	
	Index	951