



Series on Mathematics Education Vol. **5**

Edited by

Alexander Karp • Bruce R. Vogeli

RUSSIAN MATHEMATICS EDUCATION

Programs and Practices

Contents

Introduction	vii
Chapter 1. On the Mathematics Lesson	1
<i>Alexander Karp and Leonid Zvavich</i>	
Chapter 2. The History and the Present State of Elementary Mathematical Education in Russia	37
<i>Olga Ivashova</i>	
Chapter 3. On the Teaching of Geometry in Russia	81
<i>Alexander Karp and Alexey Werner</i>	
Chapter 4. On Algebra Education in Russian Schools	129
<i>Lindmila Kuznetsova, Elena Sedova, Svetlana Suvorova and Saule Troitskaya</i>	
Chapter 5. Elements of Analysis in Russian Schools	191
<i>Mikhael Jackubson</i>	
Chapter 6. Combinatorics, Probability, and Statistics in the Russian School Curriculum	231
<i>Evgeny Bunimovich</i>	
Chapter 7. Schools with an Advanced Course in Mathematics and Schools with an Advanced Course in the Humanities	265
<i>Alexander Karp</i>	

Chapter 8.	Assessment in Mathematics in Russian Schools	319
	<i>Alexander Karp and Leonid Zvavich</i>	
Chapter 9.	Extracurricular Work in Mathematics	375
	<i>Albina Marushina and Maksim Prutusevich</i>	
Chapter 10.	On Mathematics Education Research in Russia	411
	<i>Alexander Karp and Roza Leikin</i>	
	Notes on Contributors	487
	Name Index	493
	Subject Index	501