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Titolo	Multilingualism in mathematics classrooms [[electronic resource]] : global perspectives // edited by Richard Barwell
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Descrizione fisica	1 online resource (198 p.)
Collana	Bilingual education and bilingualism
Altri autori (Persone)	BarwellRichard <1969->
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Soggetti	Mathematics - Study and teaching Education, Bilingual Multilingualism Language and education Electronic books.
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Content -- Contributors -- List of Tables and Figures -- Chapter 1. Multilingualism in Mathematics Classrooms: An Introductory Discussion -- Chapter 2. Mapping the Mathematical Langscape -- Chapter 3. Somali Mathematics Terminology: A Community Exploration of Mathematics and Culture -- Chapter 4. Politics and Practice of Learning Mathematics in Multilingual Classrooms: Lessons from Pakistan -- Chapter 5. Mathematical Word Problems and Bilingual Learners in England -- Chapter 6. How Language and Graphs Support Conversation in a Bilingual Mathematics Classroom -- Chapter 7. Reflections on a Medium of Instruction Policy for Mathematics in Malta -- Chapter 8. Bilingual Mathematics Classrooms in Wales -- Chapter 9. Bilingual Latino Students, Writing and Mathematics: A Case Study of Successful Teaching and Learning -- Chapter 10. Mathematics Teaching in Australian Multilingual Classrooms: Developing an Approach to the Use of Classroom Languages -- Chapter 11. Summing Up: Teaching and Learning

Sommario/riassunto

Mathematics classrooms are increasingly multilingual, whether they are found in linguistically diverse societies, urban melting pots or planned bilingual programs. The chapters in this book present and discuss examples of mathematics classroom life from a range of multilingual classroom settings, and use these examples to draw out and discuss key issues for the teaching and learning of mathematics and language. These issues relate to pedagogy, students' learning, curriculum, assessment, policy and aspects of educational theory. The contributions are based on research conducted in mathematics classrooms in Europe, South Asia, North America and Australia. Recurring issues for the learning of mathematics include the relationship between language and mathematics, the relationship between formal and informal mathematical language, and the relationship between students' home languages and the official language of schooling.

2. Record Nr.	UNINA9910459907603321
Autore	Monteith John Lennox
Titolo	Principles of environmental physics [[electronic resource] /] / John Monteith, Mike Unsworth
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Disciplina	577/.1
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Contents; Preface; Acknowledgments; Symbols; Chapter 1 The Scope of Environmental Physics; Chapter 2 Properties of Gases and Liquids; Gases and Water Vapor; Liquid; Stable Isotopes; Problems; Chapter 3 Transport of Heat, Mass, and Momentum; General Transfer Equation; Molecular Transfer Processes; Diffusion Coefficients; Problems; Chapter 4 Transport of Radiant Energy; The Origin and Nature of Radiation; Spatial Relations; Problems; Chapter 5 Radiation Environment; Solar Radiation

Attenuation of Solar Radiation in the Atmosphere Solar Radiation at the Ground; Terrestrial Radiation; Net Radiation; Problems; Chapter 6

Microclimatology of Radiation (i) Absorption, Reflection, and Transmission; Radiative Properties of Natural Materials; Problems; Chapter 7 Microclimatology of Radiation (ii) Radiation Interception by Solid Structures; Geometric Principles; Diffuse Radiation; Problems; Chapter 8 Microclimatology of Radiation (iii) Interception by Plants and Animals; Interception of Radiation by Plant Canopies; Interception of Radiation by Animal Coats; Net Radiation; Problems

Chapter 9 Momentum Transfer Boundary Layers; Momentum Transfer to Natural Surfaces; Lodging and Windthrow; Problems; Chapter 10 Heat Transfer; Convection; Measurements of Convection; Conduction;

Insulation; Problems; Chapter 11 Mass Transfer (Gases and Water Vapor); Non-Dimensional Groups; Measurements of Mass Transfer; Ventilation; Mass Transfer through Pores; Coats and Clothing; Problems; Chapter 12 Mass Transfer (Particles); Steady Motion; Non-

Steady Motion; Particle Deposition; Problems; Chapter 13 Steady State Heat Balance (i) Water Surfaces, Soil, and Vegetation; Heat Balance Equation

Heat Balance of Thermometers Heat Balance (ii) of Surfaces; Developments from the Penman Equation; Problems; Chapter 14 Steady State Heat Balance (ii) Animals; Heat Balance Components; The Thermo-Neutral Diagram; Specification of the Environment; Case Studies; Sheep;

Problems; Chapter 15 Transient Heat Balance; Time Constant; General Cases; Heat Flow in Soil; Problems; Chapter 16 Micrometeorology (i) Turbulent Transfer, Profiles, and Fluxes; Turbulent Transfer; Flux-Gradient Methods; Methods for Indirect Measurements of Flux above Canopies; Relative Merits of Methods of Flux Measurement

Turbulent Transfer in Canopies Density Corrections to Flux

Measurements; Problems; Chapter 17 Micrometeorology (ii) Interpretation of Measurements; Resistance Analogues; Case Studies; Transport within Canopies; Problems; References; Bibliography;

Appendix A; Solutions to Selected Problems; Index; A; B; C; D; E; F; G; H; I; K; L; M; N; O; P; Q; R; S; T; U; V; W; Z

Sommario/riassunto

Environmental Physics concerns the description and analysis of physical processes that establish the conditions in which all species of life survive and reproduce. The subject involves a synthesis of mathematical relations that describe the physical nature of the environment and the many biological responses that environments evoke. Environmental Physics provides a basis for understanding the complex responses of plants and animals to environmental change. International concern with climate change has made both politicians and the general public much more aware of the impac
