CORE-PLUS
MATHEMATICS
PROJECT



IMPLEMENTING CORE-PLUS MATHEMATICS

Contemporary Mathematics in Context



mheonline.com



Copyright © 2015 McGraw-Hill Education.

All rights reserved. No part of this publication may be reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written consent of McGraw-Hill Education, including, but not limited to, network storage or transmission, or broadcast for distance learning.



This material is based upon work supported, in part, by the National Science Foundation under grant no. ESI 0137718. Opinions expressed are those of the authors and not necessarily those of the Foundation.

Send all inquiries to: McGraw-Hill Education 8787 Orion Place Columbus, OH 43240

ISBN: 978-0-07-665815-2 MHID: 0-07-665815-5 Core-Plus Mathematics Contemporary Mathematics in Context Implementing Core-Plus Mathematics

123456789 ONL 1817161514

Common Core State Standards © Copyright 2010. National Governors Association Center for Best Practices and Council of Chief State School Officers. All rights reserved.



McGraw-Hill is committed to providing instructional materials in Science, Technology, Engineering, and Mathematics (STEM) that give all students a solid foundation, one that prepares them for college and careers in the 21st century.

The <i>Core-Plus Mathematics</i> Project	
Table of Contents	iii
Development Team	v
Acknowledgements	v i
The <i>Core-Plus Mathematics</i> Program	
Introduction	
An International-like Program	
Mathematical Modeling	
Technology	
Active Learning	
Multi-dimensional Assessment	3
Overview of the Curriculum	3
Integrated Mathematics	3
Mathematical Modeling: The Core of <i>Core-Plus Mathematics.</i>	
Courses 1–3	
Course 4 Options	
Technology	
Curriculum Adoption: Advice and Tools	18
Recommendations From the Field	18
Curriculum Analysis Tools	
Piloting Considerations	20
District Considerations Prior to Implementation	
Initial Considerations	21
Building a Strong Foundation	2
Acceleration	
A Word of Caution: Fourth-Year Mathematics Courses	
Local Mathematics Program Evaluation	
Communicating with Parents	
Sample Parent Letter: Units 1–2	
Units 3–8 Content Overviews	27
College Admissions	29
Titles of Courses	
NCAA Eligibility	29
DESCRIPTION OF A CHECKS AND UNIVERSITES	, 11

CONTENTS

Classroom Implementation Evaluation and Research Findings Key Research Findings 1992–2012......70 Additional Resources