

1. Record Nr.	UNINA9910825953103321
Titolo	High school mathematics at work : essays and examples for the education of all students // Mathematical Sciences Education Board
Pubbl/distr/stampa	Washington D.C., : National Academy Press, 1998
ISBN	0-309-17473-2 0-309-52133-5 0-585-02012-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (192 p.)
Disciplina	510/.71/273
Soggetti	Mathematics - Study and teaching (Secondary) - 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 and index.
Nota di contenuto	<p>""Front Matter""; ""FOREWORD: MATHEMATICS FOR A MODERN AGE""; ""ACKNOWLEDGMENTS""; ""TABLE OF CONTENTS""; ""INTRODUCTION""; ""OVERVIEW""; ""1 MATHEMATICS AS A GATEWAY TO STUDENT SUCCESS""; ""2 MARKET LAUNCH""; ""3 INTEGRATING VOCATIONAL AND ACADEMIC EDUCATION""; ""4 THE IMPORTANCE OF WORKPLACE AND EVERYDAY MATHEMATICS""; ""5 WORKING WITH ALGEBRA""; ""PART TWO THE ROLES OF STANDARDS AND ASSESSMENTS""; ""OVERVIEW""; ""6 SCIENCE AND MATHEMATICS EDUCATION: FINDING COMMON GROUND""; ""7 SCANS AND MATHEMATICSa€? SUPPORTING THE TRANSITION FROM SCHOOLS TO CAREERS""; ""8 THINKING ABOUT THE SAT""</p> <p>""9 EXTENDED RESPONSE TASKS IN INTERNATIONAL CONTEXTS""""PART THREE CURRICULAR CONSIDERATIONS""; ""OVERVIEW""; ""10 FITTING TASKS TO CURRICULUM""; ""11 MATHEMATICS AS A WAY OF THINKING ABOUT THINGS""; ""12 PREPARING STUDENTS FOR POSTSECONDARY EDUCATION""; ""PART FOUR IMPLICATIONS FOR TEACHING AND TEACHER EDUCATION""; ""OVERVIEW""; ""13 PEDAGOGICAL IMPLICATIONS FOR PROBLEM-CENTERED TEACHING""; ""14 THE ROLE OF COMPLEX MATHEMATICAL TASKS IN TEACHER EDUCATION""; ""15 ASSESSMENT CONVERSATIONS AS A TOOL FOR REFORM""; ""PART FIVE EPILOGUE""; ""EPILOGUE""; ""A SOURCES OF PROBLEMS AND TASKS""</p> <p>""B TASK FORCE MEMBERS""""INDEX""</p>

