

(Contents continued from back cover)

METHODS OF SMILE: A SCIENCE SEMINAR COURSE IN “DELIBERATE EDUCATION” E. Davis-Butts and R. Collay	141
---	-----

THE OCCURRENCE OF REFORM TEACHING PRACTICE IN UNDERGRADUATE MATHEMATICS AND SCIENCE CLASSES: THE STUDENTS’ PERSPECTIVE P.D. Morrell and J.B. Carroll	155
--	-----

PART II Regular Journal Features

VISUALIZING BASIC NUCLEAR REACTIONS D. Allen and M.T. Oliver-Hoyo	169
---	-----

THE USE OF TRADITIONAL AND CONTEMPORARY INSTRUCTIONAL STRATEGIES AND MATERIALS IN THE ELEMENTARY MATHEMATICS CLASSROOM J.E. Riley	181
---	-----

UNDERSTANDING TEACHER REFLECTION AS A SIGNIFICANT TOOL FOR BRINGING REFORM-BASED TEACHING TO COLLEGE MATHEMATICS K. Jeon	193
--	-----

RECRUITING MORE MATHEMATICS TEACHERS USING COLLABORATION AS THE MAIN INGREDIENT: AN EFFECTIVE MODEL FROM MISSOURI L. Kaiser	201
---	-----

STUDENT WORK SECTION , R. Howard, <i>Section Editor</i>	207
--	-----

MATHEMATICS FROM CHINA TO VIRGINIA BY WAY OF SINGAPORE H. Kim, C. Wu, A. Xue, and J. Boyd	207
---	-----

THE PERFECT PERSPECTIVE: A MATHEMATICAL ANALYSIS OF PERSPECTIVE USING TOOLS AVAILABLE TO MIDDLE SCHOOL STUDENTS W. Griffin	217
--	-----

CONTENTS Volume 6

PART I Oregon Collaborative for Excellence in Teacher Preparation (OCETP)

OREGON COLLABORATIVE FOR EXCELLENCE IN THE PREPARATION OF TEACHERS – AN OVERVIEW M. Enneking	1
PEER-LED TEAM LEARNING IN INTRODUCTORY BIOLOGY AND CHEMISTRY COURSES: A PARALLEL APPROACH A. Tenney and B. Houck	11
THE DEVELOPMENT OF INSTRUMENTS FOR ASSESSMENT OF INSTRUCTIONAL PRACTICES IN STANDARDS-BASED TEACHING C.L. Wainwright, L. Flick and P. Morrell	21
A DESCRIPTIVE COMPARISON OF ONE UNIVERSITY INSTRUCTOR'S INSTRUCTION DURING PRE-SERVICE MATHEMATICS COURSES AND THE SUBSEQUENT MATHEMATICS AND SCIENCE INSTRUCTION OF THREE OF HIS STUDENTS DURING THEIR STUDENT TEACHING EXPERIENCE S. Blair	47
LESSONS LEARNED IN A MATH EXCEL WORKSHOP: THE IMPORTANCE OF MAINTAINING HIGH COGNITIVE DEMANDS T. Dick	65
MAKING UPPER DIVISION MATHEMATICS COURSES RELEVANT FOR PRE-SERVICE TEACHERS G. Hill	75
PERSISTENCE IN MATHEMATICS BY UNDERREPRESENTED STUDENTS: EXPERIENCES OF A MATH EXCEL PROGRAM C.M. Hake, M.L. Crow, and T. Dick	87
LESSONS LEARNED FROM EFFORTS AT INSTITUTIONAL CHANGE: CASE STUDIES OF SIX OCEPT INSTITUTIONS T.G. Chenoweth, M.K. Kinnick, and R.D. Walleri	103
GOESCIENCES FOR ELEMENTARY EDUCATORS: A COURSE ASSESSMENT M.L. Cummings, M. Goodrich, and D. Burmester	127

(Contents continued inside)