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Nota di contenuto	""ATTRACTING SCIENCE AND MATHEMATICS PH.D.S TO SECONDARY SCHOOL EDUCATION""; ""Copyright""; ""PREFACE""; ""ACKNOWLEDGEMENTS""; ""Contents""; ""Executive Summary""; ""BACKGROUND""; ""SCOPE OF STUDY""; ""METHODS OF STUDY""; ""FINDINGS""; ""Interest in Secondary Teaching""; ""Challenges and Possibilities""; ""GUIDANCE FOR DEMONSTRATION PROGRAMS""; ""ORGANIZATION OF DEMONSTRATION PROGRAMS""; ""PEDAGOGICAL SKILLS AND TEACHING RESOURCES""; ""INCENTIVES""; ""1 Introduction""; ""BACKGROUND""; ""The Need for Qualified Science and Mathematics Teachers""; ""An Untapped Resource"" ""NRC ROLE IN SCIENCE AND MATHEMATICS EDUCATION"" ""PROJECT ON ATTRACTING PH.D.S TO SECONDARY EDUCATION""; ""Underlying Assumptions""; ""Problems and Possibilities""; ""Organization of the Project""; ""SCOPE OF THE STUDY""; ""The Charge to the Phase One

Committee"; "Questions to be Answered by the Present Study";
"METHODS OF STUDY"; "OVERVIEW OF THE REPORT"; "2 Will Ph.D.s
Consider Careers in Secondary School Science & Mathematics
Education?"; "SURVEY METHODS AND RESPONSE"; "Survey
Methodology and Response"; "Characteristics of Respondents";
"CAREER ASPIRATIONS"
"INTEREST IN SECONDARY SCHOOL EDUCATION" "Defining Interest in
Secondary School Education"; "Financial Considerations"; "ASPECTS
OF A PROGRAM TO ATTRACT SCIENCE AND MATHEMATICS PH.D.S TO
SECONDARY SCHOOL EDUCATION"; "INTEREST IN OTHER K-12
EDUCATION POSITIONS"; "SUMMARY"; "Level of Interest"; "Potential
Incentives"; "Other K-12 Positions"; "3 Perspectives on Ph.D.s in
Secondary School Science and Mathematics Education"; "PH.D.S IN
SECONDARY SCHOOL SCIENCE AND MATHEMATICS EDUCATION";
"WHICH PH.D.S?"; "PREPARATION FOR TEACHING"
"PRACTICAL ASPECTS OF THE TRANSITION TO THE SECONDARY
SCHOOL ENVIRONMENT" "PH.D.S IN THE SECONDARY SCHOOL WORK
ENVIRONMENT"; "4 Discussion"; "FINDINGS"; "Interest in Secondary
Teaching"; "Challenges"; "What is Necessary for Success?";
"GUIDANCE FOR DEMONSTRATION PROGRAMS"; "Organization of
Demonstration Programs"; "State Demonstration Programs";
"Selection of Ph.D.s for Teaching Positions"; "Role of Postsecondary
Institutions"; "Flexibility in School Placement"; "Regional Clustering";
"Evaluation"; "Pedagogical Skills and Teaching Resources"
"Education Courses and Certification" "Mentoring"; "Science
Teaching Resources"; "Future Positions for Ph.D.s"; "Incentives";
"National Fellowship Program"; "Peer Networking"; "Connections
with the Larger Scientific Community"; "REFERENCES"; "Appendix A
Study Methodology"; "INTRODUCTION"; "SURVEY OF GRADUATE
STUDENTS AND RECENT PH.D.S"; "Focus Groups"; "Questionnaire
Development"; "Sampling"; "Survey Response"; "INTERVIEWS";
"Interviews with Ph.D.s"; "Interviews with Administrators";
"APPENDIX B Focus Group Summaries"; "SITES OF FOCUS GROUPS"
"SUMMARY OF FOCUS GROUPS"
