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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""
