Purpose: To bring you a sampling of the latest documents added to the NTIS Database and to help you gain a greater understanding of the wealth of scitech information available from the National Technical Information Service.

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PB2012102519
NCES 2012-459
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities)
Keywords: Reading, Mathematics, Academic achievements.

PB2012100718
Related Categories/Sub-Categories: 92E (International Relations) 92D (Education, Law, & Humanities) 70E (Research Program Administration & Technology Transfer) 41P (Research Program Administration & Technology Transfer) 96 (Business & Economics)
Keywords: Technology innovation, International cooperation, Universities.

PB2012100797
LCCN-2011921184
Related Categories/Sub-Categories: 57E (Clinical Medicine) 44P (Health Education & Manpower Training) 70E (Research Program Administration & Technology Transfer) 92D (Education, Law, & Humanities) 92A (Job Training & Career Development)
Keywords: Biomedical research, Behavioral sciences, Personnel development.

N20110016091
National Partnership-Based Summer Learning Initiative to Engage Underrepresented Students with Science, Technology, Engineering and Mathematics. National Aeronautics and Space Administration, Washington, DC. 2011, 14p
IAC-11-E1.5.9
HQ-STI-11-161
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities) 92C (Social Concerns) 84 (Space Technology)
Keywords: Students, Education, NASA programs,

PB2012102141
NCES 2011-4024
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities)
Keywords: Professional development, Teachers, Mathematics education.
PB2012102518
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities)
Keywords: Students, Mathematics, Academic achievements.

PB2011104697
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities)
Keywords: Science education, Statistics, Achievement tests.

PB2011112381
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities)
Keywords: Academic achievement, Mathematics, Student achievement.

PB2011110213
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities)
Keywords: Doctorates, Scientists, Engineers.

PB2011112829
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities)
Keywords: Early childhood education, Science education, Mathematics.

PB2011106371
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities)
Keywords: Science education, Statistics, Achievement tests.

PB2012102686
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities)
Keywords: Public schools, Academic achievements, National Assessment of Educational Progress (NAEP).

PB2012104184
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities)
Keywords: Students, Engineers, Scientists.
Very often the work described in these [early NTIS] reports was never published in the open journal literature, or published only in a very condensed form. I have repeatedly found that information in these documents gave important inspiration for my new research, or, in some cases, preventing me from “re-inventing the wheel.” …NTIS provides a valuable service.

- Univ. of Colorado Engineering Professor

### Subject Category Codes/Classification

NTIS classifies citations into 39 subject categories. Each of these subject categories is divided into subcategories. This method provides sorting categories for both hard and soft sciences. All subject categories consist of three character codes: two numerics and one alpha character. The numeric codes represent entire categories. The alpha codes are used to designate subcategories within these broad categories. The number of NTIS subcategories posted to an information product average from three to five, although there are some reports with more.

#### Major Subject Categories

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* For a listing of Scope Notes that defines the specific topical content for each category, go to http://www.ntis.gov/assets/pdf/scope-notes.pdf
** Quantities represent each new report assigned on average to 3-5 categories.
PB201011791
MPR Associates, Inc., Washington, DC.
National Center for Education Statistics, Washington, DC.
2010, 16p
NCES-2010-021
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
93 (Human Resources)
92B (Job Training & Career Development)
Keywords: Science education, Academic achievements, High schools.

PB2010112550
2010, 101p
NCES-2010-462
See also report for 2007, PB2008-110282.
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
70F (Public Administration & Government)
Keywords: Education, American Indians, Alaska Natives.

PB201013350
Animal and Plant Health Inspection Service, Washington, DC.
2010, 19p
Related Categories/Sub-Categories:
98E (Animal Husbandry & Veterinary Medicine)
57F (Cytology, Genetics, & Molecular Biology)
57P (Pest Control)
92D (Education, Law, & Humanities)
92A (Job Training & Career Development)
Keywords: Outreach programs, Plant and animal science, Youth programs.

PB2010115251
Mathematics Framework for the 2011 National Assessment of Educational Progress.
Council of Chief State School Officers, Washington, DC.
National Assessment Governing Board, Washington, DC.
2010, 87p
See also PB2009-101374 (Report for 2009).
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
Keywords: Mathematics, Student achievements, Content areas.
PB2011100158
Standards for K-12 Engineering Education.
National Academy of Engineering, Washington, DC.
National Science Foundation, Arlington, VA. 2010, 160p
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
Keywords: Standards, Engineering, Education.

PB2011100926
Challenges and Opportunities for Education about Dual Use Issues in the Life Sciences.
National Research Council, Washington, DC. Division on Earth and Life Studies. 2010, 111p
Related Categories/Sub-Categories:
57 (Medicine & Biology)
74D (Chemical, Biological, & Radiological Warfare)
70E (Research Program Administration & Technology Transfer)
92D (Education, Law, & Humanities)
Keywords: Life sciences, Dual use research, Biological markers.

PB2011101881
Science Framework for the 2011 National Assessment of Educational Progress.
WestEd, San Francisco, CA.
National Assessment Governing Board, Washington, DC. 2010, 175p
See also PB2009-101381 (Report for 2009).
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
Keywords: Science education, Achievement, Curriculum.

PB2011102129
Development and Implementation of Forensic Science Research and Training Programs at the University at Albany’s Northeast Regional Forensic Institute (NERFI).
National Inst. of Justice, Washington, DC. Office of Justice Programs. 2010, 255p
NCJ-2332073
Related Categories/Sub-Categories:
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
92D (Education, Law, & Humanities)
Keywords: Forensic science, Training programs, Curriculum development.

PB2011102821
Grade 12 Reading and Mathematics 2009: National and Pilot State Results.
National Center for Education Statistics, Washington, DC. Institute of Education Sciences. 2010, 92p
NCES-2011-455
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
70F (Public Administration & Government)
Keywords: Mathematics, Secondary schools, Student demographic groups.

PB2011103145
Developing Effective Fractions Instruction for Kindergarten Through Eighth Grade.
NCEE 2010-4039
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
72B (Algebra, Analysis, Geometry, & Mathematical Logic)
Keywords: Fractions (Mathematics), Instructional materials, Professional development programs.

PB2011103192
Windwalker Corporation, McLean, VA. National Center for Education Statistics, Washington, DC. 2010, 72p
NCES-2011-004
See also PB2008-104559 (Report for 2006).
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
Keywords: Student performance, Science literacy, Program for International Student Achievement (PISA).

PB2011103293
Teacher Development Continuum in the United States and China: Summary of a Workshop.
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
92A (Job Training & Career Development)
70D (Personnel Management, Labor Relations & Manpower Studies)
Keywords: Personnel development, Teachers, Mathematics teaching.

PB2011106385
Frontiers of Engineering. Reports on Leading-Edge Engineering from the 2010 Symposium.
National Academy of Engineering, Washington, DC. 2010, 190p
Related Categories/Sub-Categories:
70F (Public Administration & Government)
92D (Education, Law, & Humanities)
Keywords: Research and development, Technology innovation, Science policies.

PB2011109821
National Science Foundation, Arlington, VA. Directorate for Social, Behavioral, and Economic Sciences. 2010, 277p
NSF-10-307
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
43C (Human Resources)
Keywords: Universities, Sciences, Engineering.

PB2011109821
National Science Foundation, Arlington, VA. Directorate for Social, Behavioral, and Economic Sciences. 2010, 277p
NSF-10-307
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
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Keywords: Universities, Sciences, Engineering.

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- Reference Guide to online commercial services and the NTRL
- Great Reference Manual & Teaching Tool

PB2011113360
Gender Differences at Critical Transitions in the Career of Science, Engineering and Mathematics Faculty.
National Research Council, Washington, DC. Committee on Women in Science and Engineering. 2010, 384p
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities) 92A (Job Training & Career Development) 92C (Social Concerns)
Keywords: Gender, Scientists, Mathematicians.

PB2012101092
National Research Council, Washington, DC. 2010, 154p
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities) 70D (Personnel Management, Labor Relations & Manpower Studies)
Keywords: Communication skills, Work environments, Education.

ADA488868
CRS-RL34396
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities) 96 (Business & Economics)
Keywords: Education, Budgets, STEM (Science technology engineering and mathematics).

PB2012103026
IDA-D-3726
Related Categories/Sub-Categories: 70E (Research Program Administration & Technology Transfer) 92D (Education, Law, & Humanities) 50 (Civil Engineering)
Keywords: Education research, National Science Foundation (NSF), Engineering education.

PB2009104777
NCES-2008-457
See also PB2007-105666 and PB2009-104778.
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities) 70F (Public Administration & Government)
Keywords: American Indians, American Natives, Mathematics.

PB2007112908
NCES-2007-312
Related Categories/Sub-Categories: 92D (Education, Law, & Humanities) 72F (Statistical Analysis)
Keywords: Mathematics, Science, Instructional materials.
Title Index - For NTRL Users

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