Credits

This document was produced by the Center for the Education and Study of Diverse Populations (CESDP) and the Southwest Comprehensive Center (Region IX) at New Mexico Highlands University (NMHU). The New Mexico Content Standards, Benchmarks, and Performance Standards contained in this guide are reproduced as they appear in the official New Mexico Standards for Excellence of the New Mexico Public Education Department (NMPED).

Center for the Education and Study of Diverse Populations at New Mexico Highlands University
www.cesdp.nmhu.edu

Dr. Paul Martínez, Director
Sylvia Baca, Program Fiscal Manager
Dr. Marcia Brenden, Sr. Associate
Carole A. Brito, Associate
Dr. Cheryl Brown-Kovacic, Sr. Associate
Dr. Rudy Chávez, Sr. Associate
Patricio Freire, Computer Technician

Cynthia A. Gustke, Associate
Patricia Latham, Associate
Shannon Reierson, Associate
Dr. Eric Romero, Sr. Associate
Martha Shotts, Associate
Nora Yazzie, Associate

202 Central SE
Suite 300
Albuquerque, NM
87102
1.800.247.4269
Phone: 505.243.4442
Fax: 505.243.4456

705 La Joya
Suite C
Española, NM
87532
1.866.587.2558
Phone: 505.747.7238
Fax: 505.747.7250

New Mexico Highlands University
CESDP TEC-113
P.O. Box 9000
Las Vegas, NM 87701
Phone: 505.454.3367
Fax: 505.454.3110
Acknowledgements

Many educators, New Mexico Public Education Department staff, community members, parents, and business representatives throughout the state have contributed to the actual development of the New Mexico Content Standards, Benchmarks, and Performance Standards. We appreciate their expertise, insights, and critical analysis of the New Mexico Standards.

We thank the following New Mexico Public Education Department Program Managers and Education Administrators for their expertise and involvement with the New Mexico Standards: Claudia Ahlstrom (Mathematics), Holly Bowsher (Physical Education); Vicki Breen (Arts Education); Patricia Concannon (Social Studies and Standards Policy); Dr. Gladys-Herrera-Gurule (State Director, Bilingual Education) and Nadine Padilla (English Language Development Instructional Strategies); Sam Howarth (Special Education Program Manager) and Lisa Chacón-Kedge (Special Education); Diana Jaramillo (Language Arts); John Martínez (Modern Classical and Native Languages); Dr. Kristine Meurer (Health Education Program Manager); Dr. Patricia Parkinson (Assistant Secretary for Instructional Support); Dr. Richard Reif (Science); and Lena Trujillo-Chávez (Career Readiness).

Special thanks to Lena Trujillo-Chávez for her ongoing support of our efforts to print and disseminate the New Mexico Standards Reference Guides for Grades 9-12. The Reference Guides for Grades 9-12 were printed using funds authorized under the Carl D. Perkins Vocational and Technical Education Act of 1998, 20 U.S.C. 2301 ET SEQ., as amended by Public Law 105-332.

We thank the following CESDP support staff for their dedication and patience in the preparation and dissemination of the standards documents: Laura Brogdon, Teresa Flores, Frances Mares, and Jean Salazar.
The New Mexico Content Standards, Benchmarks and Performance Standards contained in the Reference Guides are part of the New Mexico Policy on Educational Standards for Excellence that delineate implementation regulations for educational standards and student expectations for New Mexico public schools and students.

The Reference Guides are divided into grade spans K-8 and 9-12 to facilitate use and application.

<table>
<thead>
<tr>
<th>Standards, Benchmarks, and Performance Standards</th>
<th>Standards and Benchmarks are included for the following content areas:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Arts Education</td>
<td>• Career Readiness</td>
</tr>
<tr>
<td>• Language Arts</td>
<td>• Health Education</td>
</tr>
<tr>
<td>• Mathematics</td>
<td>• Physical Education</td>
</tr>
<tr>
<td>• Modern, Classical, and Native Languages</td>
<td></td>
</tr>
<tr>
<td>• Science</td>
<td></td>
</tr>
<tr>
<td>• Social Studies</td>
<td></td>
</tr>
</tbody>
</table>

- The English Language Development Instructional Strategies were developed by the NMPED Bilingual Education Unit. They are included as a companion to the Language Arts Standards and are applicable to all content areas.
- The New Mexico Expanded Performance Standards were developed by the NMPED Special Education Unit. They apply to Special Education students with the most significant cognitive disabilities.

The Resource Section provides links to National Content Area Organizations and Education Research and Resource Organizations that include a wide range of information and tools including samples of student work; standards-based curriculum, assessment, and instruction; cultural and linguistic issues; professional development; and early childhood education.
How to Use this Document

This guide contains *New Mexico Content Standards, Benchmarks and Performance Standards* and is a companion to another grade span publication. The guides are designed with grade spans K-8 and 9-12. The goal is to make them convenient, useful, and manageable in size.

Although the content standards are presented through discrete disciplines and grade spans, each group of standards implies the added value of integrated, interdisciplinary instruction. They intend to illustrate how learners at every level continue to build and expand knowledge as they apply concepts and skills with increasing sophistication, refinement, and independence.

The guide books are designed not simply to be read, but used. You are invited to use the guides as a student; family or community member; educator of children, youth, and adults; board member; or policy maker. You may use the guides as you:

• develop a working knowledge of the standards that can be applied to curriculum, instruction, and assessment;
• look at what will be expected of students at various levels in their schooling;
• commit to developing equity for all students to achieve the standards;
• develop and implement an Educational Plan for Student Success (EPSS); and
• communicate with students, peers, parents, education leadership, board members, policy makers, or the public about student expectations.

For more information on implementation of standards through curriculum, instruction and assessment, refer to the resources section or visit www.cesdp.nmhu.edu.
What is Standards-Based Education?

Standards-based education has evolved out of local, state, and national efforts to improve schools and provide equitable opportunities for all students to reach high standards. There is variation in the definition and use of standards-based curriculum, but there are also common elements.

- Fairness and effectiveness are at the heart of the rationale for academic standards.
- Standards provide common language and shared expectations about what ALL students should know and be able to do.
- Standards-based curriculum, instruction, and assessment support engaging learning activities and materials that foster thinking, creativity, reasoning, analyzing, problem solving, and application of knowledge and skills.
- Standards-based education can lead to awareness of where gaps in student achievement and the educational system may exist.
- Ongoing professional development and support for educators and families are critical in the implementation of effective standards-based systems in our schools.
The NM Content Standards are broad descriptions of knowledge and skills students should acquire in a particular aspect or strand of the subject area.

Sample:
Strand: Geometry & Trigonometry
Mathematics Standard:
Students will understand geometric concepts and applications.

The NM Benchmarks are more specific statements of what all students should know and be able to do within a content area across grade levels.

Sample:
Strand: Geometry
Mathematics Benchmark:
In grades 9-12: Apply transformations and use symmetry to analyze mathematical situations.

The NM Performance Standards provide additional specificity regarding what students should know and be able to do in order to demonstrate proficiency in the skills and knowledge framed in the content standards and benchmarks. The performance standards focus on specific grade levels in K-12 and/or in grade spans K-4, 5-8, and 9-12. Classroom assessments with scoring guides and exemplars are used to define the degree or quality of student performance and how adept or competent a student demonstration must be to indicate attainment of the benchmarks pointing to the content standards.

Sample Mathematics Performance Standard for Grades 9-12:
1. Describe the effect of rigid motions on figures in the coordinate plane and space that include rotations, translations, and reflections:
   • determine whether a given pair of figures on a coordinate plane represents the effect of a translation, reflection, rotation, and/or dilation
   • sketch the planar figure that is the result of a given transformation of this type
Resources
National Content Area Organizations

American Association for the Advancement of Science
Benchmarks for Science Literacy
www.project2061.org/tools/benchol/bolframe.htm
800-451-7559

Center for Civic Education
National Standards for Civics and Government
www.civiced.org/stds.html
818-591-9321

Economics America: National Council on Economic Education
Voluntary National Content Standards
www.ncee.net
800-338-1192

Geography Education Standards Project
Geography for Life: National Geography Standards
www.nationalgeographic.com/education/xpeditions/standards/matrix.html
412-357-6290

International Reading Association & National Council of Teachers of English
Standards for the English Language Arts
National Council of Teachers of English
www.ncte.org
800-369-6283

International Society for Technology in Education
National Educational Technology Standards
www.cnets.iste.org
800-336-5191

International Technology Education Association
Standards for Technological Literacy: Content for the Study of Technology
www.iteawww.org/TAA/STLstds.htm
703-860-2100

Joint Committee on National Health Education Standards
National Health Education Standards: Achieving Health Literacy
Association for the Advancement of Health Education.
www.aahperd.org
800-213-7193
Resources

Music Educators National Conference
The School Music Program: A New Vision (The K-12 National Standards, Pre-K Standards, and What They Mean to Music Educators)
www.menc.org/publication/books/prek12st.html
800-336-3768

National Association for Sport and Physical Education
www.aahperd.org
800-213-7193

National Association of State Directors of Career Technical Education Consortium
Career Clusters
www.careerclusters.org
800-654-4502

National Committee for Standards in the Arts
National Standards for Arts Education: What Every Young American Should Know and Be Able to Do in the Arts
www.artsedge.Kennedy-center.org/professional_resources/standards
800-336-3768

National Council for the Social Studies
Expectations of Excellence:
Curriculum Standards for Social Studies
www.socialstudies.org/standards
301-588-1800

National Council of Teachers of Mathematics
Principles and Standards for School Mathematics
www.standards.nctm.org
703-620-9840

National Research Council
National Science Education Standards
www.nap.edu/readingroom/books/nses/html
800-624-6242

National Standards in Foreign Language Education Project
Standards for Foreign Language Learning: Preparing for the 21st Century
National Standards in Foreign Language Education Project
www.actfl.org
914-963-8830

American Indian Content Standards for Educational Technology in Indian America
American Indian Content Standards
www.ldoe.org/cetia/aics.htm
505-552-6008
Resources
Educational Research and Resource Organizations

Center for the Education and Study of Diverse Populations
New Mexico Standards, Benchmarks, and Performance Standards Reference Guides
www.cesdp.nmhu.edu
800-247-4269

Center for Performance Assessment
www.makingstandardswork.org
800-844-6599

Center for Research on Education, Diversity, and Excellence
The Five Standards for Effective Pedagogy
www.crede.org
831-459-3500

Council of Chief State School Officers
State Content Standards: A 50 State Resource
www.ccsso.org
202-336-7000

Dual Language of New Mexico Project
NM Dual Language Program Standards
www.duallanguagenm.org
505-243-0648

Federal Resource Center for Special Education
www.nichcy.org
800-695-0285

Intercultural Development Research Association
www.idra.org
210-444-1710

Mid-Continent Research for Education and Learning
A Compendium of K-12 Standards
www.mcrel.org
303-337-0990

National Association for Bilingual Education
NABE Teacher Preparation Standards
www.nabe.org
202-898-1829

National Association for the Education of Young Children
Standards for Early Childhood Professional Preparation
www.naeyc.org
800-424-2460
Resources

National Center on Secondary Education and Transition
www.ncset.org
612-624-2097

National Clearinghouse for English Language Acquisition and Language Instruction Educational Programs
www.ncela.gwu.edu
1-202-245-7100

National Parent-Teacher Association
National Standards for Parent/Family Involvement Programs
www.pta.org
888-425-5537

National Staff Development Council
Standards for Staff Development
www.nsdc.org
513-523-6029

New Mexico Public Education Department
New Mexico Content Standards, Benchmarks, and Performance Standards
www.ped.state.nm.us
505-827-5800

Office of English Language Acquisition, Language Enhancement, and Academic Achievement for Limited English Proficient Students
www.ed.gov/offices/list/oela/index.html
1-800-321-6223

Southwest Educational Development Laboratory
Connecting State Standards to the Framework of Reading
www.sedl.org
800-476-6861

Teachers of English to Speakers of Other Languages
The ESL Standards for Pre-K-12 Students
www.tesol.org/assoc/k12standards
703-836-0774

Secretary’s Commission on Achieving Necessary Skills
What Work Requires of Schools. A SCANS Report for America 2000
www.wdr.doleta.gov/SCANS/whatwork/whatwork.html

US Department of Education
www.ed.gov