NMPED Science Curriculum Review
2011

Curriculum	Publisher	Number of Studies Reviewed	Average Total Rating Scale Score (0-3)*	Level of Curriculum Efficacy Evidence**
ELEMENTARY SCIENCE				
Living with Science, Grade 1-5	LJ Educational Systems	1	0.29	No Evidence
New Mexico Interactive Science Grade K-5	Pearson Education, publishing as Scott Foresman	1	1.21	Promising Evidence
Science: A Closer Look	Macmillan/McGraw-Hill,	3	1.21	Potentially Promising
MIDDLE SCHOOL SCIENCE				
New Mexico Interactive Science Grade 6, 7, 8	Pearson Education, Inc., publishing as Prentice Hall	2	1.43	Good Evidence
HIGH SCHOOL INTEGRATED				
Holt Science Spectrum	Houghton Mifflin Harcourt, publishing as Holt McDougal	1	1.07	Promising Evidence
Physical, Earth, and Space Science, An Integrated Approach	School Specialty, publishing as CPO Science Programs	1	0.14	No Evidence
HIGH SCHOOL BIOLOGY				
Holt McDougal Biology	Houghton Mifflin Harcourt, publishing as Holt McDougal	2	1.5	Good Evidence
Holt Modern Biology	Houghton Mifflin Harcourt, publishing as Holt McDougal	1	1.07	Promising Evidence
Miller Levine Biology (New Mexico edition and Foundations Textbook)	Pearson Education, publishing as Prentice Hall	2	1.5	Good Evidence

HIGH SCHOOL CHEMISTRY				
Holt Modern Chemistry	Houghton Mifflin Harcourt, publishing as Holt McDougal	1	1.07	Promising Evidence
HIGH SCHOOL PHYSICS				
Prentice Hall Conceptual Physics	Pearson Education, publishing as Prentice Hall	1	0	No Evidence
HEALTH				
Harcourt Health and Fitness ©2007	Harcourt School Publishers	1	1	Potentially Promising
Holt Decision for Health, Grade 7-8	Houghton Mifflin Harcourt, publishing as Holt, Reinhart, and Winston	1	1.36	Promising Evidence
Holt Lifetime Health 9-12	Houghton Mifflin Harcourt, publishing as Holt, Reinhart, and Winston	1	1.36	Promising Evidence
Prentice Hall Health	Pearson Education, publishing as Prentice Hall	1	0	No Evidence

Notes:

*This score is based on the Research Criteria Rubric developed by the New Mexico Public Education Department. SWCC reviewers used the rubric to code each supporting study on six factors (experimental design, sample, methodology, measures, reporting of results, and investigators) on a scale from 0-3.

**Curriculum Efficacy Evidence categorizes the quality and quantity of the studies/evidence submitted by publishers and coded by SWCC researchers in a hierarchical fashion from least to most rigorous as follows:

- "No Evidence" means no positive results from experimental or well-designed quasi-experimental studies and no statistically significant positive results from well-designed pre- and post-test studies
- "Potentially Promising" means no positive results from experimental or well-designed quasi-experimental studies but has statistically significant positive results from well-designed pre- and post-test studies that indicate that program participants attained intended outcomes but cannot establish a causal

relationship between the program and the outcomes so has no evidence of efficacy.

- “Promising Evidence” means that there have been positive results from very few experimental or well-designed quasi-experimental studies (i.e., 1-2 studies), the reported effect sizes of the program are small (~.20), and/or the results are uneven across outcomes or populations of interest
- “Good Evidence” means there have been positive results from a few experimental or well-designed quasi-experimental studies (i.e., 3-5 studies), the reported effect sizes of the program are moderate (~.50), and/or results are uneven across outcomes or populations of interest
- “Strong Evidence” means there have been positive results from many experimental or well-designed quasi-experimental studies (i.e., 6 or more), the reported effect sizes of the program are large (~.80), and/or results are consistent across outcomes or populations of interest