NMPED Science Curriculum Review of Evidence

Curriculum Name: Physical, Earth, and Space Science, An Integrated Approach

Publisher: School Specialty, publishing as CPO Science Programs
Number of Studies Submitted: 1
Number of Studies Reviewed: 1
Grade(s) of Studies Reviewed: not given

Average Rubric Ratings:

Criteria	Average Rating Across All Studies
Experimental Design	0
Sample	0
Methodology	0
Measures	0
Studies	0
Reporting Results	1
Investigators	0
Total Score	1
Average Subscale Score	0.14

Narrative:
The curriculum *Physical, Earth, and Space Science, An Integrated Approach* is a new CPO science learning system based on two previous texts that have been used in classrooms for over eight years. The 2010 edition has not been taught long enough for a formal research study. The company submitted a report to support the program's inquiry-based classroom effectiveness based on testimonials, research reports, and academic reports on effectiveness of inquiry-based instruction for the prior texts. There is no experimental design stated within the teacher testimonials or educator reports.

Apparently the publisher produced a report with solicitation from users of previous texts and with no peer review. Teachers spoke of student engagement to apply physical science concepts to real-life situations. The report also has abstracts from other research reports by educators on the use of CPO programs. These other education reports presented gains in achievement from students, including minority, economically disadvantaged backgrounds, or special education students, participating in the CPO science programs.

Overall Quantity and Quality of Evidence:
The only document submitted for review provides little evidence for the effectiveness of the science program. There is no formal research study on the program. The effectiveness of the program is based solely on testimonials from seven teachers and reports from three limiting agencies with no relevant background information on the reported results. Based on this submission, there is no evidence of program efficacy of the CPO Science program.

References of Submitted Studies:
The publisher submitted a document on Research Support for Inquiry-Based Science Instruction using CPO Science Programs: *Physical, Earth, and Space Science, An Integrated Approach* directly to NMPED with no further information to download any of the research reports.