

Science Instructional Materials Review Criteria for Grades 6-12

Based on recommendations found in "Science and Engineering for Grades 6-12: Investigation and Design at the Center"

High Quality Materials: 18-20 points
 Moderate Quality Materials: 15-17 points
 Low Quality Materials: Less than 15 Points

Indicator 1. Lessons	Rating		
Criteria	No (0)	Partially (1)	Meets (2)
1A. The instructional materials make science investigation and engineering design the central approach for teaching and learning science and engineering.	○	○	○
1B. The instructional materials use interesting phenomena or problems to drive learning.	○	○	○
1C. The phenomena and problems will spark students' curiosity.	○	○	○
1D. Instructional materials provide multiple embedded opportunities for students to engage in three-dimensional science and engineering.	○	○	○
1E. Instructional materials include activities that encourage students to share their ideas and to develop and revise their ideas with other students.	○	○	○
For any criterion that is rated as "no" or "partially", please indicate what should be done by the authors to bring the rating up to a "meets". Be as specific as possible.			
Score: _____			/10

Indicator 2. Assessment	Rating		
Criteria	No (0)	Partially (1)	Meets (2)
2A. The Instructional materials provide opportunities to monitor student thinking through ongoing, embedded, and post-instruction assessment	○	○	○
2B. Assessments include opportunities to make sense of phenomena or design solutions to challenges.	○	○	○
2C. Assessment tasks encourage students to share their ideas and to develop and revise their ideas with other students.	○	○	○
2D. Assessment tasks provide evidence that guide students to reflect on their own learning.	○	○	○
2E. Assessment tasks provide evidence that teachers can use to guide instructional choices.	○	○	○
<p>For any criterion that is rated as “no” or “partially”, please indicate what should be done by the authors to bring the rating up to a “meets”. Be as specific as possible.</p>			
Score:			/10