Textbook and Instructional Material Evaluation Rubric Form-Mathematics

Instructional materials are designed for use by students and teachers as a learning resource for students to acquire essential knowledge, skills, abilities, and dispositions. This includes print and non-print materials, including comprehensive/core textbooks, supplemental materials, Web-based and electronic textbooks, and assessments.

Title: Stats Modeling the World Author(s): Bock, Velleman, I Publisher(s): Pearson

Copyright Date: 2015 Subject/Grade Level: AP Statistics

Student ISBN: 978-0-13-315154-1

Teacher Edition ISBN: 978-0-12-351803-0

Instructions: Use the tables below to determine if the Textbook or Instructional material meets each criteria.

Organization

Criteria	2 Meets	1 Inadequate	Comments
1. Material provides a useful table of contents, glossary, supplemental pages, and index.	2		No glossary at the end, included by chapter at the end.
2. Layout is consistent; chapters/units are arranged logically; and allow access through multiple modalities.	2		
3. Teacher edition contains interesting introductions and a list of prerequisites skills for each chapter.		1	Only difference between student and teacher edition is the inclusion of all answers in the back of the book.
4. Material contains examples, explanations, formulas and/or online resources to required depth and breadth of the Nevada Academic Content Standards.	2		
5. Information is accurate, current, and research-based.	2		
6. Vocabulary is specialized (language carefully considered and evolves across grade level).	2		
7. Size and format of print is appropriate.	2		
8. Format is visually appealing and interesting.	2		
9. Material provides Smarter Balanced assessment type questions and/or performance-based tasks.		1	Not observed
10. Electronic and interactive format available.	2		MyStatsLab available
Other: _____			
Total Organization:	16	2	

Mathematics Content

Criteria	2 Meets	1 Inadequate	Comments
11. Materials **focus** on the knowledge, skills, and abilities (KSA's) appropriate to the grade level.	2		
12. Material demonstrates **coherence** of KSA's appropriate to grade level.	2		
13. Material demonstrates complexity to conceptual understanding, procedural skills, fluency, and application (**rigor**).	2		
14. Material is consistent with the progression of the KSA at each grade level.	2		
15. Real-world applications are given and relevant to the students.	2		
16. Information and directions are clearly written and explained.	2		
17. Tasks are aligned to the domains of the Nevada Academic Content Standards.		1	Not observed
18. Lessons/tasks are interdisciplinary when appropriate.	2		
19. Non-text content (maps, graphs, pictures, etc.) are accurate, authentic, and well integrated into the instructional material.	2		
20. Tasks apply to the diversity of students and their abilities, interests, and learning styles.	2		
21. Questions and tasks encourage the development and application of higher-level thinking skills.	2		
22. Teacher edition includes questioning strategies and/or questions to check for understanding at all Depth of Knowledge (DOK) levels.		1	Same as student edition
23. Teacher edition includes formative assessment/evaluation tools and processes.		1	Same as student edition
24. Material and tasks focus on the eight Mathematical Practices.	2		
25. Material provides access to or demonstrates concepts in multiple ways, allowing for a variety of student responses.	2		
26. Tasks have a purpose, aligned to a skill or concept at grade level.	2		
27. Material includes understanding and application of skills and concepts at grade level.	2		
28. Material provides strategic use of mathematical tools, including technology.	2		
29. The material is focused on the major ideas/skills at that grade level.	2		
30. Content includes 21st Century skill development such as collaboration, creative thinking, and problem solving.	2		
Other: _____			
Total Mathematics Content Criteria:	34	3	

Inclusion

Criteria	2 Meets	1 Inadequate	Comments
31. Material reflects a variety of ways to differentiate instruction and model content to support all learners.	2		Included in supplementary resources.
32. Material reflects sensitivity with regard to gender, race/ethnicity, religion, socio-economic status, intellectual, and physical abilities.		1	Not observed
33. Material includes access to a multilingual glossary.		1	Not observed
34. Material provides resources for students with disabilities and English Language Learners aligned to grade level content.		1	Not observed
35. Material is available for students with visual impairments via a NIMAS file on the NIMAC system.		1	Not observed
Other: _____			
Total Inclusion Criteria:	2	4	

Alignment

Criteria	2 Meets	1 Inadequate	Comments
36. Material content aligns to district/organization curriculum.	2		
37. Material content aligns with college and career readiness skills (Nevada Academic Content Standards).	2		
38. Material is a useful resource in preparing students to meet the requirements of the Nevada Academic Content Standards and statewide assessments.		1	Post EOC assessment course
Other: _____			
Total Alignment Criteria:	4	1	

Total Score for Mathematics Textbook or Instructional Material: 66