

Textbook and Instructional Material Evaluation Rubric Form- Science

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: College Physics Author(s): Serway & Vuille

Publisher(s): Cengage Learning Inc.

Copyright Date: 2018

Subject/Grade Level: A.P. Physics grade 11 &12

Student ISBN: 9781337735339, 9781305965409

Teacher Edition ISBN: 9781337735322, 9781305965379

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		AP style - format
2. Layout is consistent; chapters/units are arranged logically; and allow access through multiple modalities.	2		same
3. Teacher edition contains interesting introductions and a list of prerequisites skills for each chapter.	2		same
4. Material contains examples, explanations, and/or online resources to the depth and breadth of the Nevada Academic Content Standards and Literacy Standards.	2		same
5. Information is accurate, current, and research based.	2		same
6. Vocabulary is specialized (language carefully considered and evolves across grade levels).	2		same
7. Size and format of print is appropriate.	2		same
8. Format is visually appealing and interesting.	2		
9. Material provides assessment type questions and/or performance-based tasks.	2		
10. Electronic and interactive format available.	2		
Other:			
Total Organization:	20		

Science Content

Criteria	2 Meets	1 Inadequate	Comments
11. Materials focus on the knowledge, skills, and abilities (KSA's) appropriate to the grade level.	2		Meets A.P Physics curriculum

12. Real-world applications are relevant to the students.	2		Same comment for rest of this section.
13. Information and directions are clearly written and explained.	2		
14. Tasks are aligned to the Nevada Academic Content Standards and Literacy Standards (e.g., investigations, experiments, evidence to construct an argument, and safety).	2		
15. Lessons/tasks are interdisciplinary when appropriate.	2		
16. Non-text content (maps, graphs, pictures, etc.) are accurate, authentic, and well integrated into the instructional material.	2		
17. Tasks apply to the diversity of students and their abilities, interests, and learning styles	2		
18. Questions and tasks encourage the development and application of higher-level thinking skills.	2		
19. Teacher edition includes questioning strategies and/or questions to check for understanding at all Depth of Knowledge (DOK) levels.	2		
20. Teacher edition includes formative assessment/evaluation tools and processes.	2		
21. Material provides access to or demonstrates concepts in multiple ways, allowing for a variety of student responses.	2		
22. Tasks have a purpose, aligned to a skill or concept at grade level.	2		
23. Material includes application of skills and concepts at grade level.	2		
24. Material provides strategic use of scientific tools, including technology.	2		
25. The material is focused on the major ideas/skills at that grade level.	2		
26. Content includes 21 st Century skill development such as collaboration, creative thinking, and problem solving.	2		
Other:			
Total Science Content Criteria:	32		

Inclusion

Criteria	2 Meets	1 Inadequate	Comments
27. Material reflects a variety of ways to differentiate instruction and model content to support all learners.	2		Online simulation
28. Material reflects sensitivity with regard to gender, race/ethnicity, religion, socioeconomic status, intellectual, and physical abilities. (excluding science content found within the adopted standards, e.g., evolution, global warming)	2		Online help sites Same comment for rest of these criteria's.

29. Material includes access to a multilingual glossary.	2		
30. Material provides resources for students with disabilities and English Language Learners aligned to grade level content.	2		
31. Material is available for students with visual impairments via a NIMAS file on the NIMAC system.	2		
Other:			
Total Inclusion Criteria:	10		

Alignment

Criteria	2 Meets	1 Inadequate	Comments
32. Material content aligns to district/organization curriculum.	2		A.P. Curriculum
33. Material content aligns with college and career readiness skills (Nevada Academic Content Standards and Literacy Standards).	2		
34. Material is a useful resource in preparing students to meet the requirements of the Nevada Academic Content Standards/ Literacy Standards and statewide assessments.	2		
Other:			
Total Alignment Criteria:	6		

Total Score for Science Textbook or Instructional Material: 68