

Instructional Resource Name: Forensic Science: Fundamentals and Investigations

Publisher: Cengage

Date Reviewed: 2/26/21

Organization

- Material provides a useful table of contents, glossary, supplemental pages, and index.
- Layout is consistent; chapters/units are arranged logically; and allow access through multiple modalities.
- Teacher edition contains interesting introductions and a list of prerequisites skills for each chapter.
- Material contains examples, explanations, and/or online resources to the depth and breadth of the Nevada Career and Technical Education Standards.
- Information is accurate, current, and research based.
- Vocabulary is specialized (language carefully considered and evolves across grade levels).
- Size and format of print is appropriate.
- Format is visually appealing and interesting.
- Material provides assessment type questions and/or performance-based tasks.
- Electronic and interactive format available.

Content

- Materials focus on the knowledge, skills, and abilities (KSA's) appropriate to the grade level.
- Real-world applications are relevant to the students.
- Information and directions are clearly written and explained.
- Tasks are aligned to the Nevada Career and Technical Education Standards.
- Lessons/tasks are interdisciplinary when appropriate.
- Non-text content (maps, graphs, pictures, etc.) are accurate, authentic, and well-integrated into the instructional material.
- Tasks apply to the diversity of students and their abilities, interests and learning styles.
- Questions and tasks encourage the development and application of higher-level thinking skills.
- Teacher edition includes questioning strategies and/or questions to check for understanding at all Depth of Knowledge (DOK) levels.
- Teacher edition includes formative assessment/evaluation tools processes.
- Material provides access to or demonstrates concepts in multiple ways, allowing for a variety of student responses.
- Tasks have a purpose, aligned to a skill or concept at grade level.
- Material includes application of skills and concepts at grade level.

- The material is focused on the major ideas at that grade level.
- Content includes 21st Century skill development such as collaboration, creative thinking, and problem solving.

Inclusion

- Material reflects a variety of ways to differentiate instruction and model content to support all learners.
- Material reflects sensitivity with regard to gender, race/ethnicity, religion, socio-economic status, intellectual, and physical abilities.
- Material provides resources for students with disabilities and English Language Learners aligned to grade level content.
- Material is available for students with visual impairments via a NIMAS file on the NIMAC system.

Alignment

- Material content aligns to district/organization curriculum.
- Material content aligns with college and career readiness skills (Nevada Career and Technical Education Standards).
- Material is a useful resource in preparing students to meet the requirements of the Nevada Career and Technical Education Standards and statewide assessments.

Concerns

- Material includes access to a multilingual glossary.

NDE submits this for adoption for the Career and Technical programs of study.

Instructional Material Evaluation Rubric Form

CTE Program of Study

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, and web-based or electronic instructional materials.

Title: Forensic Science: Fundamentals and Investigations Author(s): A. Bertino, P. Bertino
 Publisher(s): Cengage Learning Copyright Date: 2021, 3rd edition
 Subject: Forensic Science Grade Level(s): 9-12
 Student ISBN: 9780357543627 ebook
 Teacher Edition ISBN: 9780357543627 TE

Instructions: Use the tables below to determine if the Instructional Material meets each criterion.

Organization

Criteria	2 Meets	1 Inadequate	Comments
1. Material provides a useful table of contents, glossary, supplemental pages, and index.	2		
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.	2		
4. Material contains examples, explanations, and/or online resources to the depth and breadth of the Nevada CTE Standards.	2		yes on standards team
5. Information is accurate, current, and research based.	2		
6. Vocabulary is specialized (language carefully considered and evolves across grade levels).	2		
7. Size and format of print is appropriate.	2		
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:			
Organization Total(s):	20		

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. Real-world applications are relevant to the students.	2		
13. Information and directions are clearly written and explained.	2		
14. Tasks are aligned to the Nevada CTE Standards.	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 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. The material is focused on the major ideas at that grade level.	2		
25. Content includes 21 st Century skill development such as collaboration, creative thinking, and problem solving.	2		
Other:			
Content Criteria Total(s):	30		

Inclusion

Criteria	2 Meets	1 Inadequate	Comments
26. Material reflects a variety of ways to differentiate instruction and model content to support all learners.	2		
27. Material reflects sensitivity with regard to gender, race/ethnicity, religion, socio-economic status, intellectual, and physical abilities.	2		
28. Material includes access to a multilingual glossary.		1	no
29. Material provides resources for students with disabilities and English Language Learners aligned to grade level content.	2		
30. Material is available for students with visual impairments via a NIMAS file on the NIMAC system.	2		
Other:			
Inclusion Criteria Total(s):	8	1	

Alignment

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

Total Score for Instructional Material: 65

Signature Reviewer: Eric Curtis

Date: 03/01/2021

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Student ISBN: 9780357543627 ebook

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Instructions: Use the tables below to determine if the Instructional Material meets each criterion.

Organization

Criteria	2 Meets	1 Inadequate	Comments
1. Material provides a useful table of contents, glossary, supplemental pages, and index.	2	1	
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.	2		awesome pictures
4. Material contains examples, explanations, and/or online resources to the depth and breadth of the Nevada CTE Standards.	2		
5. Information is accurate, current, and research based.	2		
6. Vocabulary is specialized (language carefully considered and evolves across grade levels).	2		
7. Size and format of print is appropriate.	2		
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		available in hard book too
Other:			
Organization Total(s):	20		

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. Real-world applications are relevant to the students.	2		
13. Information and directions are clearly written and explained.	2		
14. Tasks are aligned to the Nevada CTE Standards.	2		yes author on team
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 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. The material is focused on the major ideas at that grade level.	2		
25. Content includes 21 st Century skill development such as collaboration, creative thinking, and problem solving.	2		
Other:			
Content Criteria Total(s):	30		

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27. Material reflects sensitivity with regard to gender, race/ethnicity, religion, socio-economic status, intellectual, and physical abilities.	2		
28. Material includes access to a multilingual glossary.		1	
29. Material provides resources for students with disabilities and English Language Learners aligned to grade level content.	2		
30. Material is available for students with visual impairments via a NIMAS file on the NIMAC system.	2		
Other:			
Inclusion Criteria Total(s):	8	1	

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Alignment Criteria Total(s):	6		

Total Score for Instructional Material: 65

Signature Reviewer: Randi Hunewill Date: 02/26/2021

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Other:			
Organization Total(s):	20		

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24. The material is focused on the major ideas at that grade level.	2		
25. Content includes 21 st Century skill development such as collaboration, creative thinking, and problem solving.	2		
Other:			
Content Criteria Total(s):	30		

Inclusion

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26. Material reflects a variety of ways to differentiate instruction and model content to support all learners.		1	
27. Material reflects sensitivity with regard to gender, race/ethnicity, religion, socio-economic status, intellectual, and physical abilities.	2		
28. Material includes access to a multilingual glossary.		1	
29. Material provides resources for students with disabilities and English Language Learners aligned to grade level content.	2		
30. Material is available for students with visual impairments via a NIMAS file on the NIMAC system.	2		
Other:			
Inclusion Criteria Total(s):	6	2	

Alignment

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31. Material content aligns to district/organization curriculum.	2		
32. Material content aligns with college and career readiness skills (Nevada CTE Standards).	2		
33. Material is a useful resource in preparing students to meet the requirements of the Nevada CTE Standards and statewide assessments.	2		
Other:			
Alignment Criteria Total(s):	6		

Total Score for Instructional Material: 64

Signature Reviewer: Ted McAdams

Date: 03/01/2021