

**Instructional Resource Name:** NCCER HVACR

**Publisher:** Pearson

**Date Reviewed:** 9/29/2020

### **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 Academic Content Standards and Literacy 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 Academic Content Standards and Literacy 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.

### **Alignment**

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

### **Concerns**

- Material includes access to a multilingual glossary.
- Material provides resources for students with disabilities and English Language Learners aligned to grade level content.

# Textbook and 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, supplemental materials, Web-based and electronic textbooks, and assessments.

Title: HVAC (All Levels)

Author(s): NCCER

Publisher(s): Pearson

Copyright Date: 2018

Subject/Grade Level: HVAC/High School

Student ISBN: 0-13-518509-2, 0-13-518512-2

Teacher Edition ISBN:

Instructions: Use the tables below to determine if the Textbook or 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 Academic Content Standards and Literacy 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		
Other:			
<b>Total Organization:</b>	<b>20</b>		

## 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 Academic Content Standards and Literacy Standards.	2		Standards aligned using this curriculum.
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.		1	
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		Lesson Plan provides with this information
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 <sup>st</sup> Century skill development such as collaboration, creative thinking, and problem solving.	2		
Other:			
<b>Total Content Criteria:</b>	<b>28</b>	<b>1</b>	

### 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.	2		
29. Material provides resources for students with disabilities and English Language Learners aligned to grade level content.		1	
30. Material is available for students with visual impairments via a NIMAS file on the NIMAC system.		1	
Other:			
<b>Total Inclusion Criteria:</b>	<b>6</b>	<b>2</b>	

### 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 Academic Content Standards and Literacy Standards).	2		
33. 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:			
<b>Total Alignment Criteria:</b>	<b>6</b>		

63

Total Score for Textbook or Instructional Material: \_\_\_\_\_

Signature Reviewer: Denise Burton Date: 09/30/2020

# Textbook and 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, supplemental materials, Web-based and electronic textbooks, and assessments.

Title: HVAC Level 1 & 2 5th Edition Author(s):

Publisher(s): Pearson

Copyright Date: 2019

Subject/Grade Level: K12

Student ISBN:

Teacher Edition ISBN:

Instructions: Use the tables below to determine if the Textbook or 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 Academic Content Standards and Literacy 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.		1	
9. Material provides assessment type questions and/or performance-based tasks.	2		
10. Electronic and interactive format available.	2		
Other:			
<b>Total Organization:</b>	18	1	

## 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 Academic Content Standards and Literacy 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 <sup>st</sup> Century skill development such as collaboration, creative thinking, and problem solving.	2		
Other:			
<b>Total Content Criteria:</b>	<b>30</b>		

## 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.	2		
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.		1	
Other:			
<b>Total Inclusion Criteria:</b>	<b>8</b>	<b>1</b>	

## 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 Academic Content Standards and Literacy Standards).	2		
33. 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:			
<b>Total Alignment Criteria:</b>	<b>6</b>		

64

Total Score for Textbook or Instructional Material: \_\_\_\_\_

Signature Reviewer: Wes Evans Digitally signed by Wes Evans  
Date: 2020.09.29 15:21:31  
-07'00' Date: 09/29/2020