

Course: Principles of Engineering and HS STEM Textbook: Engineering Fundamentals Publisher: Goodheart-Willcoxs ISBN: 978-1-63126-285-2

<b>Criteria: Curriculum</b>					
1 = Unacceptable; 2 = Unsatisfactory; 3 = Satisfactory; 4 = Outstanding	1	2	3	4	Evidence
The program is closely aligned with the CTE Standards.				X	Publisher provides Detailed Correlation chart with TN standards
Standards and learning targets are clearly defined in each lesson.				X	Table of contents outlines standards and goals
The content is carefully sequenced to maximize deep learning.			X		Table of contents outlines standards and goals
Lessons are made up of engaging activities and tasks that are rigorous and worthwhile, providing multiple entry points for all students.			X		PowerPoints and websites supports multiple scaffolding opportunities
There is a balance of conceptual understanding, skill, application, and opportunity for reflection.			X		Multiple career focus chapters
The text is engaging with effective use of primary sources and/or meaningful connections.				X	Additional website activities
<b>Score for Curriculum Total Score: 3.5</b>					

Additional Comments:

<b>Criteria: Instruction</b>					
1 = Unacceptable; 2 = Unsatisfactory; 3 = Satisfactory; 4 = Outstanding	1	2	3	4	Evidence
Instruction is balanced among conceptual understanding, skill, and application,			X		Publisher has web based activates that provide outlets for application, presentation and implementation
Communication is a focus of the program- i.e. understanding is developed through classroom discourse, visuals and reading/writing.				X	Publisher has web based activates and chapters that provide outlets for application, presentation and implementation
Lessons include questions that are aligned with standards and that encourage students to think deeply about a topic and defend their claims.			X		Publisher has web based activates that provide outlets for application, presentation and implementation
There is a range of support to accommodate the varying levels of students' abilities.				X	PowerPoints and websites supports multiple scaffolding opportunities
Instruction is presented to meet various learning styles of students.				X	PowerPoints and websites supports multiple scaffolding opportunities
There is an appropriate balance of depth and breadth of content coverage.			X		Career focus chapters with Real world connections
<b>Score for Instruction Total Score: 3.5</b>					

Additional Comments:

<b>Criteria: Assessment</b>					
1 = Unacceptable; 2 = Unsatisfactory; 3 = Satisfactory; 4 = Outstanding	1	2	3	4	Evidence
Assessment is aligned to the instruction.				X	Exam view access with standards and texts
Assessment reflect the rigor of the CTE assessments.				X	Exam view access with standards and texts
Ongoing/formative assessments are strategically placed within lessons and units to inform instruction.				X	Exam view has premade test for each section and chapter
Assessments are provided in a variety of formats and mimic the functions and formats (i.e. multiple choice, short answer, open-ended, technology enhanced).				X	Exam view has a wide range of premade questions and sections for custom question creation.
Assessments are well organized and easy to use.			X		Exam view has a wide range of premade questions and sections for custom question creation.
Performance-based and Constructed Response assessments that allow students to apply concepts, skills, reasoning, and problem-solving are provided.			X		Exam View Assessment allows teachers to custom create tests and quizzes
A test generator is available that allows teachers to generate tests and manage student data.				X	Online Exam View grades and analyzes test data
<b>Score for Assessment Total Score: 3.7</b>					

Additional Comments: