



**New Fairfield Public Schools  
Textbook Adoption Form**

*"Textbooks are defined as that resource which provides 50% or more of the information upon which the program of instruction is based." (policy 6161)*

**Date of Recommendation: December 6, 2022**

**Staff Members Making the Recommendation: Jean Gephart and Marco Santarelli**

**Course:** AP/ECE Physics

**Grade(s):** 11/12

**Title:** *Digital Update College Physics a strategic approach 4th edition*

**Author(s):** Randall Knight, Brian Jones, and Stuart Field

**Publisher:** Pearson

**Publication Date:** 2023

**Reading Level:** 1120L

**Price per book and the number needed: \$182.**

**Support for the Recommended Textbook:**

**Content**

1. Describe how the selected textbook is aligned with course curriculum and content standards.

College Physics- a strategic approach is a college-level textbook and is consistent with the topics and complexity of both AP Physics 1 and UCONN/ECE 1201Q.

2. Describe the accuracy and timeliness of the selected textbook.

This is the 4th Edition which is the current offering.

3. Describe how the textbook handles varying perspectives and points of view and demonstrates an unbiased approach to the content.

The textbook covers the principles of physics, which do not have any inherent biases. When humans are displayed pictorially, the textbook uses models of many ethnicities.

**Instructional Match**

4. Describe how the selected textbook supports our Vision of the Graduate and model of high-quality instruction.

The textbook and supplemental materials will support our Vision of the Graduate by providing critical thinking and problem-solving opportunities. In addition, the resources offer immediate feedback to student work within the program and model effective problem-solving with feedback and video instruction.

5. Describe elements of the textbook

College Physics: A Strategic Approach presents basic physics, using real world examples to engage students and connect physics with other fields such as biological sciences and architecture. From these connections, students learn in research-driven ways to understand why they are taking the course and how it applies to other areas.

**Accessibility**

6. Describe the text features and supplemental materials that provide enhanced accessibility.

The textbook will be a digital edition with access to the Mastering Physics suite of software tools. These tools will personalize the learning experience and help students achieve mastery.

7. What is the readability level of the textbook?

College Level science content. Lexile is 1120L

8. Describe how the textbook reflects diversity and inclusion regarding culture, gender, ethnicity, national origin, age, disability, sexual orientation, education, and religion.

The textbook covers physics principles with no inherent biases. When humans are displayed pictorially, the textbook uses models of many ethnicities.

9. Describe the supplementary materials that accompany the textbook and explain how they support student learning. Describe any errors or glitches that were encountered.

The textbook gives access to the textbook anytime and anywhere. It also includes access to Mastering Physics, a suite of software tools which helps personalize learning and improve results. Some key features of the textbook are:

- Physics Primer tutorial series helps students who struggle with the math and physics skills needed to succeed in their first college physics course.
- Early Alerts in Mastering use predictive analytics based on a student's work in Mastering, such as correct answers on the first try.
- Interactive Qualitative Prelecture Videos introduce key topics with embedded assessment to help students prepare before lecture and to help professors identify student misconceptions.
- Adaptive Follow-Ups provide targeted practice and coaching to help students master the material.
- Dynamic Study Modules are assignable modules that pose a series of question sets about a course topic.

**Other Textbooks Reviewed:** (if less than 2 others, explain)

1. Physics, Principles and Applications 7th Edition
2. Physics, 5th Edition James S. Walker

*Mh*

*1/6/23*

Teachers

Date

*Jean Gmt*

*1/6/2023*

Department Chair (if applicable)

Date

*[Signature]*

*1/6/23*

Principal

Date

*Julie Luby*

*1/10/23*

Director of Curriculum or Assistant Superintendent

Date



## New Fairfield Public Schools Textbook Evaluation Form

*"Textbooks are defined as that resource which provides 50% or more of the information upon which the program of instruction is based." (policy 6161)*

**Participating Staff Members: Marco Santarelli and Jean Gephart**

**Course:** AP Physics/ECE and Physics 2 ECE

**Grade(s): 11-12**

<i>(Use Rubric Below)</i>	<b>Textbook 1 Title:</b> <i>College Physics a strategic approach AP Edition</i>	<b>Textbook 2 Title:</b> Giancoli Physics, Principles and Applications 7th Edition	<b>Textbook 3 Title:</b> Physics, 5th Edition James S. Walker
<b>Publisher</b>	<b>Pearson</b>	<b>Pearson</b>	<b>Pearson</b>
<b>Year Published</b>	<b>2023</b>	<b>2021</b>	<b>2021</b>
<b>Price</b>	<b>\$182 (6-year digital)</b>	<b>Did not get quote due to publish date</b>	<b>Did not get quote due to publish date</b>
<b>Content</b>			
Alignment	<b>4</b>	<b>4</b>	<b>4</b>
Accuracy	<b>3</b>	<b>3</b>	<b>3</b>
<b>Instructional Match</b>			
Alignment with NF's Vision of the Graduate	<b>3</b>	<b>3</b>	<b>3</b>
Design	<b>4</b>	<b>3</b>	<b>3</b>
<b>Accessibility</b>			
Clarity	<b>3</b>	<b>3</b>	<b>3</b>
Inclusivity	<b>3</b>	<b>3</b>	<b>3</b>
Add-ons	<b>4</b>	<b>3</b>	<b>3</b>
<b>Total Team Rating</b>	<b>4</b>	<b>3</b>	<b>3</b>
<b>Notes</b>	Includes Mastering Physics with the textbook.		

	<b>RATING</b> 1 - not at all   2 - somewhat   3 - generally   4 - mostly
<b>Content</b>	
Alignment	Content is aligned with course curriculum and content standards.
Accuracy	Content is free from errors, up to date, and unbiased.
<b>Instructional Match</b>	
Alignment with NF's Vision of the Graduate	Content is presented in an engaging manner and leads students to make meaning, think critically, and ask questions. The text promotes independence.
Design	Textbook contains a variety of instructional materials, including reflective questions, learning activities, and other features which promote learner engagement and active learning. Textbook contains a structured, clear, and logical progression of topics.
<b>Accessibility</b>	
Clarity	Textbook provides accessible and structured text and images to meet the needs of diverse learners. Readability is age/grade/setting appropriate.
Inclusivity	The textbook reflects diversity and inclusion regarding culture, gender, ethnicity, national origin, age, disability, sexual orientation, education, and religion.
Add-ons	Textbook has high-quality, supplementary materials which support student learning and are free of errors and glitches.