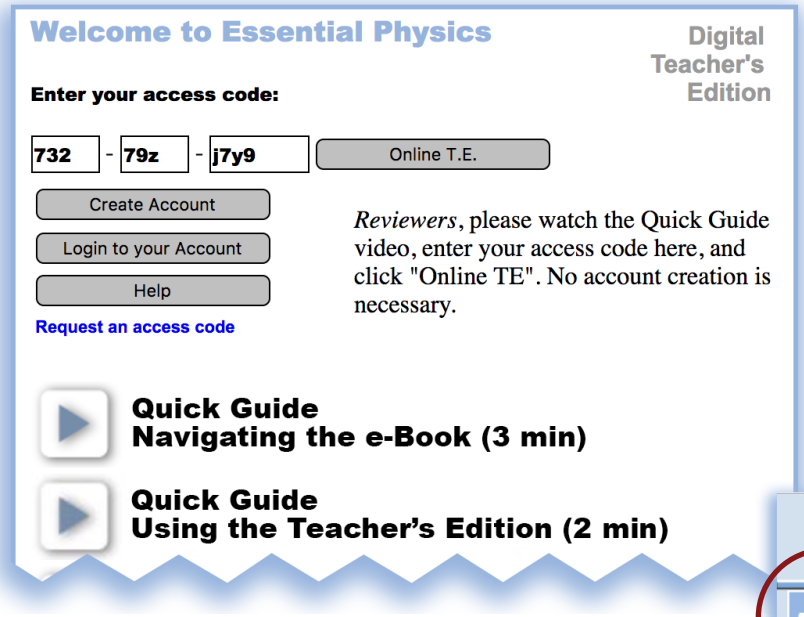
Using the *Essential Physics* Online Teacher Edition and Tennessee Science Standards Correlation Tool

TN Reviewer Code: 732 - 79z - j7y9

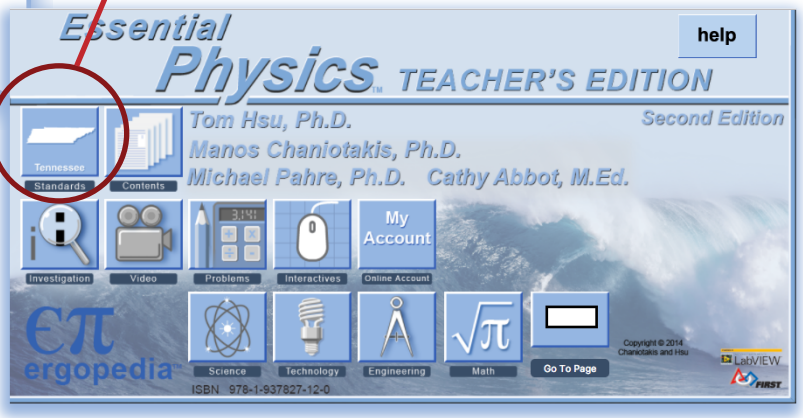


1 Go to **www.essential-physics.com/teacher/** and enter your access code.

Click **Online T.E** to access the e-Book.

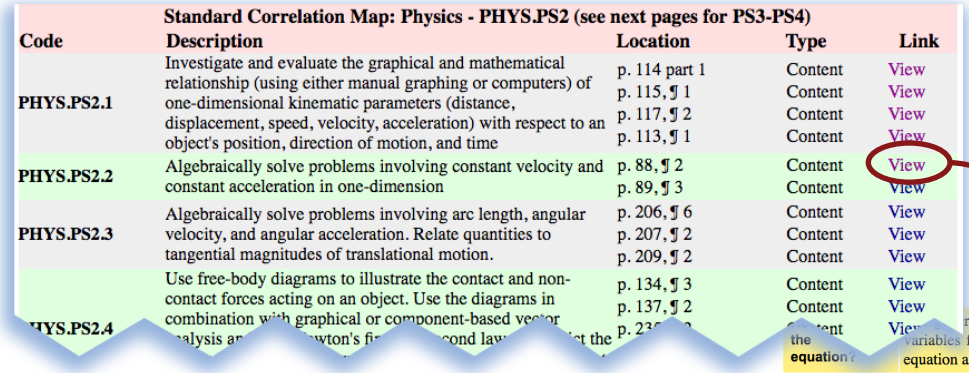
Highly recommended: Watch the 3 minute Quick Guide video which explains how the interactive e-Book works.

2 The "front cover" of the e-Book has a button in the upper left corner that opens the linked correlation to the Tennessee standards.



3 **Pages 869-872 contain a detailed correlation to all aspects of the Tennessee Science Standards.**

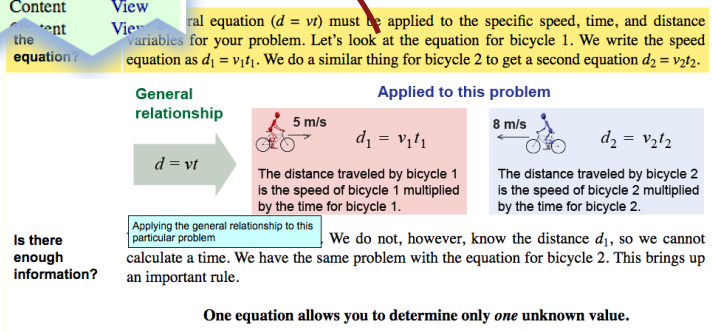
869 - PS1: Matter and Its Interactions
870 - PS2: Motion and Stability: Forces and Interactions
871 - PS3: Energy
872 - PS4: Waves and Their Applications in Technologies for Information Transfer



Standard Correlation Map: Physics - PHYS.PS2 (see next pages for PS3-PS4)

Code	Description	Location	Type	Link
PHYS.PS2.1	Investigate and evaluate the graphical and mathematical relationship (using either manual graphing or computers) of one-dimensional kinematic parameters (distance, displacement, speed, velocity, acceleration) with respect to an object's position, direction of motion, and time	p. 114 part 1 p. 115, ¶ 1 p. 117, ¶ 2 p. 113, ¶ 1	Content Content Content Content	View View View View
PHYS.PS2.2	Algebraically solve problems involving constant velocity and constant acceleration in one-dimension	p. 88, ¶ 2 p. 89, ¶ 3	Content Content	View View
PHYS.PS2.3	Algebraically solve problems involving arc length, angular velocity, and angular acceleration. Relate quantities to tangential magnitudes of translational motion.	p. 206, ¶ 6 p. 207, ¶ 2 p. 209, ¶ 2	Content Content Content	View View View
PHYS.PS2.4	Use free-body diagrams to illustrate the contact and non-contact forces acting on an object. Use the diagrams in combination with graphical or component-based vector analysis and Newton's first and second laws to the	p. 134, ¶ 3 p. 137, ¶ 2 p. 23[illegible]	Content Content Content	View View View

4 Click "View" and the page reference will open and highlight the cited material in yellow.



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