User Guide for the Enhanced E-book - 1

This E-book version of **Mastering Muscles & Movement** uses a fixed-page format that exactly matches the printed book. This retains the page layouts that make the printed book **brain-friendly** and easy to learn from.

In addition, the features below have been added to enhance the use of the book on a tablet or computer. These features are not in the printed book.

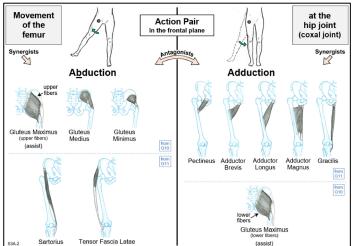
Appendix 1 Muscle Detail Cards

This 175-page Appendix contains one-muscle-per-page "cards" that gather all pertinent information for an individual muscle. These Muscle Detail Cards are connected to the "A" Tables in Chapters 4, 5 and 6. See page x for more information.

Intertubercular groove of the All fibers: Adduction and medi <u>Clavicular head</u>: Medial half of clavicle rotation of humerus <u>Upper fibers:</u> Flexion and horizontal adduction of humerus Aponeurosis of external oblique) nnervation: Lateral Pectoral N. (C5-C7) & Medial Pectoral N. (C8,T1) **Appendix 2** Movement

This 75-page Appendix has been added to facilitate studying how muscles work with each other and oppose each other (synergists & antagonists). These Action Pair Cards are linked to the "B" Tables in Chapters 4, 5 and 6. See page xi for more information.

Action Pair Cards



Pectoralis Major Moves the humerus Upper and lower portions can pull in opposite directions

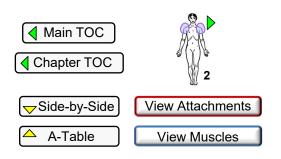
Anterio

Insertion

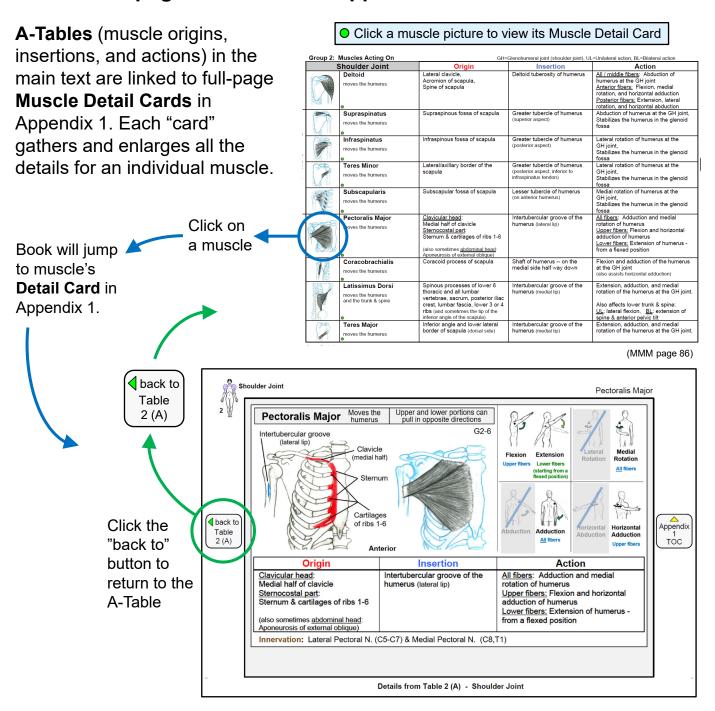
Action

Navigation

Several buttons and links have been added to facilitate easy navigation to different parts of the book. These allow a reading experience that is more closely aligned with the way a learner would study using the physical book. See pages xii-xvi for more information.



"A" Table pages are linked to Appendix 1 – Muscle Detail Cards

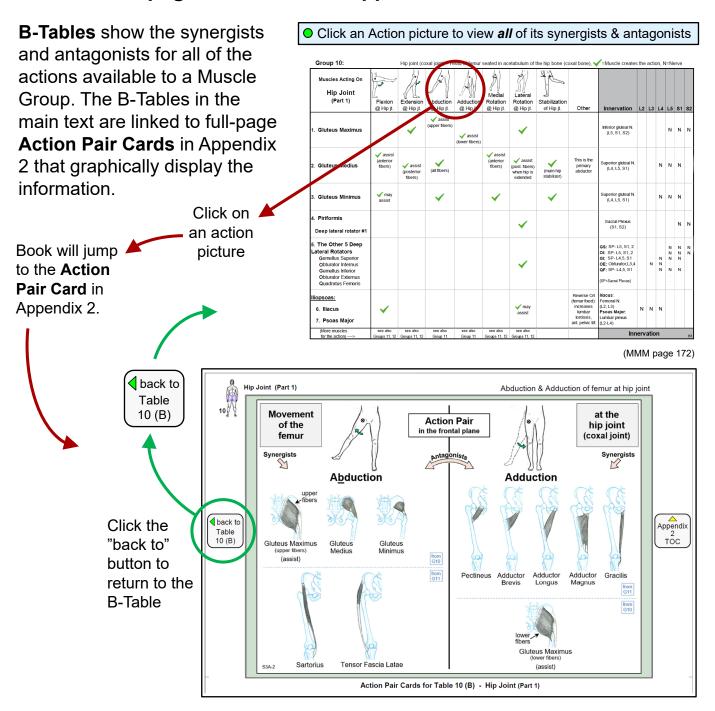


Appendix 1 can be used as a Stand-alone Muscle Atlas

For stand-alone mode, use the Muscle Group **Table of Contents** on page 232.

Or use the **Alphabetical Index** of **Muscles** on pages 407-408.

"B" Table pages are linked to Appendix 2 – Action Pair Cards



Appendix 2 can be used Stand-alone to study Synergists & Antagonists

For stand-alone mode, use the

Appendix 2 – Action Pair Cards - Table of Contents on page 410.

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Navigation

Several buttons and links have been added to facilitate easy navigation to different parts of the book. These allow a reading experience that is more closely aligned with the way a learner would study using the physical book.

Main TOC (Table of Contents):

Click on a **blue chapter line** to jump to that chapter.

Chapter TOC (Table of Contents page at start of each chapter):

Chapters 1-3 and 7-8: Click on a **blue section line** ▶ to go to that section.

Chapters 4-6: Click on a Muscle Group icon to jump to the section for that group.

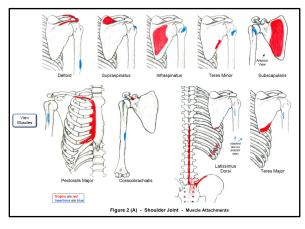
■ Main TOC button returns to the Main TOC.

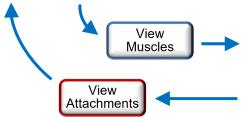


Chapter TOC button returns to the start of the chapter.

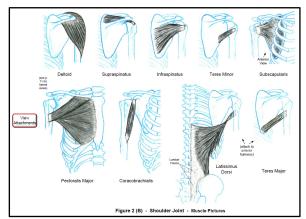
Bookmark Outline: Built-in bookmarks to jump to any book section.

Side-by-Side Muscle Comparison Pages are Linked





Pages showing **side-by-side** pictures have buttons that allow jumping back and forth to compare the **muscle** and the **origin/insertion** pictures.



Special Navigation in Chapters 4 - 6

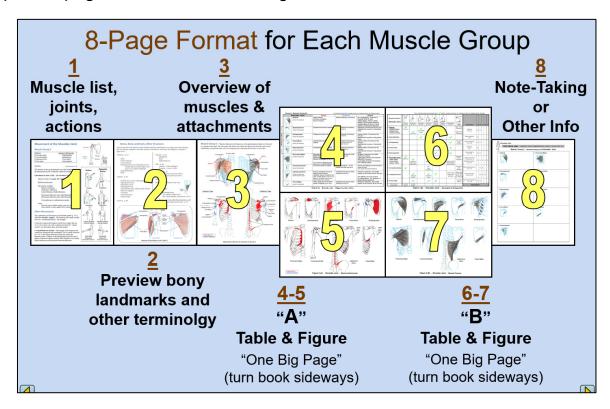
Chapters 4, 5, and 6 contain the bulk of the muscle information that students need to understand and memorize. In the physical book, the page layouts of facts, figures and tables create a rich learning environment.

In the enhanced e-book, color-coded buttons help the reader to navigate the layouts that the physical book provides.



E-book Simulates How a Learner Uses the Physical Book

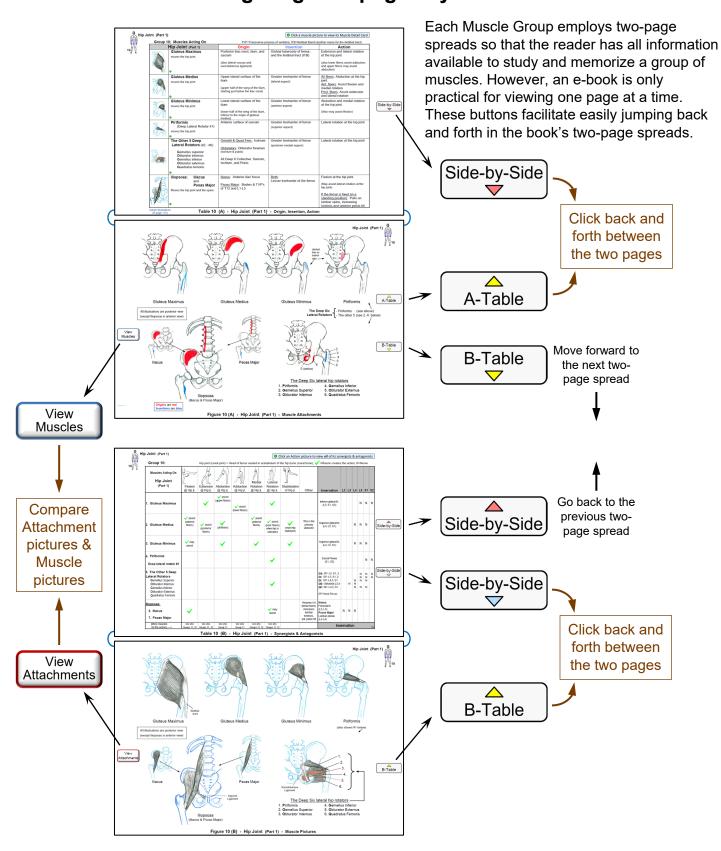
Each Muscle Group in Chapters 4, 5, and 6 is presented in a consistently organized format (please read Chapter 3 "Using the Brain-Friendly System to Optimize Your Learning" for a complete description). The format, which spans 8 pages, is shown in the diagram below.



As you can see in the diagram above, pages 4-5 and 6-7 allow the reader to turn the book sideways and have "one big page" to study and compare visual and verbal information. In this e-book, interactive buttons have been added to facilitate how a learner would study and memorize muscles using the two-page layouts in the physical book. These buttons are described on the following page.

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Navigating Two-page Layouts



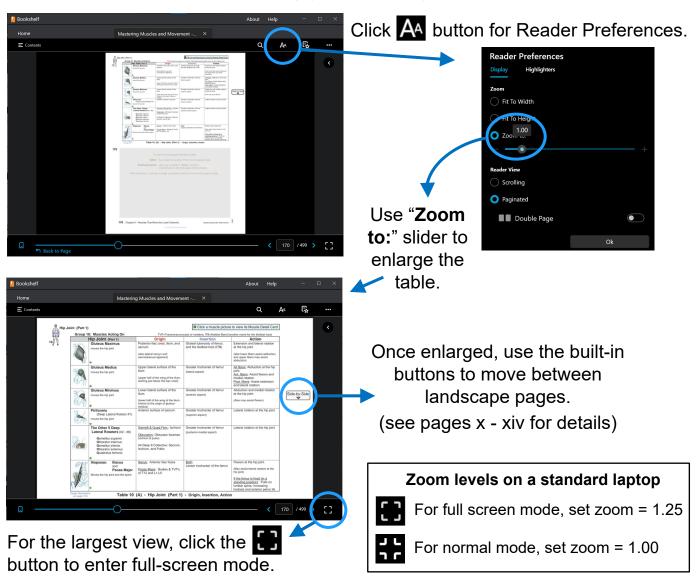
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VitalSource Bookshelf – Reading Landscape-Oriented Pages

Landscape pages are displayed in the top half of portrait-shaped pages.

As an example, here is Table 10 (A) viewed using the Windows app on a laptop:



Suggestion: Try reading the entire book zoomed in as described above. On portrait pages, it's very easy to do a short scroll between the top and bottom of the page.

Keyboard shortcuts in full-screen mode

Use up & down arrow keys, or Scroll up and down on the current page: use mouse wheel or trackpad.

Go to next page or previous page: Ctrl-PageDown, Ctrl-PageUp



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