Carnegie Learning, Inc.
Section 508, Subpart B, Technical Standards

Carnegie Learning software is compliant with the provisions of section 508 either through operating system functionality or through functionality built into the Carnegie Learning software. Certain mathematical content in the product is fundamentally visual (such as geometric transformations), which would necessitate an instructional alternative for visually impaired students.

We have tested our product with Read & Write 8.1 Gold on a PC running Windows XP. Text elements of our interface are readable using the program, and graphical elements of the program are readable using the "screenshot reader" feature.

	Cognitive Tutor ®		
Section 1194.21 Software Applications and Operating Systems	**Compliant**	**Not Applicable**	**Remarks and Explanations**
(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.	✓		**(a.1)**
(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.	✓		
(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.	✓		**(c.1)**
(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text.	✓		**(d.1)**
(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.	✓		
(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.	✓		
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	✓		**(g.1)**
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.		✓	**(h.1)**
(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	✓		
(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.		✓	**(j.1)**
(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.	✓		**(k.1)**
(l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	✓		

(a.1) Keyboard shortcuts are provided for the major learning navigation and OS enabled mouse-key functionality is supported for other elements.
(c.1) We intentionally do not automatically reveal focus on some buttons, as the software tracks the student's use of these for pedagogical reasons.
(d.1) Some math objects and custom elements are not readable as they are necessarily visual, such as graphs and probability trees, and in cases where the learning intent is to interpret the visual representation.
(g.1) Our software does not override user selected OS settings or settings in other applications, however the software does not necessarily adhere to such external settings. The product works better in High Contrast on a Mac than on Windows.
(h.1) The lesson portions of our software do not use animation.
(j.1) The product does not provide control over color and contrast settings.
(k.1) No flashing or blinking elements are used in our software.

View the federal standards at: www.section508.gov/