



California Open Online Library for Education & Accessibility

COOL4Ed (the California Open Online Library for Education) was created so that faculty can easily find, adopt, utilize, review and/or modify free and open etextbooks for little or no cost. The COOL4Ed accessibility open textbook evaluations can inform faculty, staff, and students how the free and open etextbooks meet 15 accessibility “checkpoints” that could impact the learning of learners with a range of disabilities.

SUMMARY OF ACCESSIBILITY EVALUATION:

Textbook: Art and Contemporary Critical Practice
Format of Textbook: PDF

| | |
|--|---------------------------------|
| Assistive Technology (AT) Evaluation Score: Overall | 6.1 (Maximum score = 10) |
| <p>Assistive Technologies (AT) Evaluations applies specialized tools and software in the accessibility evaluation process. These specialized assistive technologies, see list below, are typically not used or available by the general public into the accessibility evaluation process.</p> <ul style="list-style-type: none"> • Accessibility features of desktop operating systems (e.g. high-contrast display themes, settings from the Keyboard and Mouse control panels) • Accessibility-related software included with desktop operating systems (e.g. VoiceOver, Microsoft Narrator) • Third-party accessibility software and hardware: • Screen readers (e.g. JAWS, Window Eyes) • Magnification software (e.g. ZoomText Magnifier/Reader, MAGIC Pro with Speech) • Reading software for users with learning disabilities (e.g. Read and Write Gold, Kurzweil 3000) • Refreshable Braille displays | |
| Non- Assistive Technology (NAT) Evaluation Score: Overall | 7.9 (Maximum score =10) |
| <p>Non-Assistive Technologies (NAT) Evaluations applies only native or basic tools and software such as the keyboard and Narrator in the accessibility evaluation process. These non-assistive technologies are readily available and used by the general public.</p> | |



COOL4Ed Accessibility Evaluation Methods:

The California State University [Accessible Technology Initiative](#) and [MERLOT](#) (Multimedia Educational Resources for Learning and Online Teaching) developed the rubric or “checkpoints” for the accessibility evaluation. [CAST](#), a nationally recognized organization with expertise in accessibility and UDL, reviewed and affirmed the appropriateness and value of the accessibility evaluation rubric and contributed the references and support resources to help people learn how best to design, evaluate, and remediate the learning materials to maximize the accessibility of the learning resources for all. The “checkpoints” have been built upon the Section 508 technical standards and has been organized and tailored to the typical characteristics of digital resources used in higher education courses.

The accessibility evaluations were performed by the [Center for Usability in Design and Accessibility](#) at California State University, Long Beach; faculty and graduate students with expertise in human factors, usability, and accessibility performed the evaluations of over 150 free and open etextbooks. COOL4ed.org has published the accessibility evaluation rubric and provides a detailed description of the methodology used to evaluate the accessibility of the etextbooks in COOL4ed.

LOOKING FOR DETAILED ACCESSIBILITY REPORTS?

[See Detailed Accessibility Evaluation Report using Assistive Technologies](#)

[See Detailed Accessibility Evaluation Report using Non-Assistive Technologies](#)



DETAILED ACCESSIBILITY EVALUATION REPORT using Assistive Technologies

Assistive Technologies (AT) Evaluations applies specialized tools and software in the accessibility evaluation process. These specialized assistive technologies, such as Kurzweil and NVDA, are typically not used or available by the general public into the accessibility evaluation process.

1. Accessibility Documentation

| | |
|---|---|
| A. The organization providing the online materials has a formal accessibility policy. | Fail |
| Additional Information: | URL not found. Adobe Acrobat Pro XI. |
| B. The organization providing the online materials has an accessibility statement. | Fail |
| Additional Information: | URL not found. Adobe Acrobat Pro XI. |
| C. An Accessibility Evaluation Report is available from an external organization. | Fail |
| Additional Information: | URL not found. Adobe Acrobat Pro XI. |

2. Text Access

| | |
|---|---|
| A. The text of the digital resource is available to assistive technology that allows the user to enable text-to-speech (TTS) functionality. | Pass |
| Additional Information: | PDF pages 1, 2, 100, 134, and 238 checked. Adobe Acrobat Pro XI. |

3. Text Adjustment

| | |
|--|---|
| A. Text is compatible with assistive technology. | Pass |
| Additional Information: | PDF pages 1, 2, 100, 134, and 238 checked. Adobe Acrobat Pro XI. |
| B. The resource allows the user to adjust the font size and font/background color (or is rendered by an application such as a browser, | Pass |



| | |
|---|---|
| media player, or reader) that offers this functionality). | |
| Additional Information: | PDF pages 1-287 checked. Adobe Acrobat Pro XI. Some images in the first 7 pages were either partially or completely non-responsive to the coloring change, but this criterion only cover the ability of text to respond to the adjustment. |

4. Reading Layout

| | |
|--|--|
| A. Text of the digital resource is compatible with assistive technology that allows the user to reflow the text by specifying the margins and line spacing (or is rendered by an application such as a browser, media player, or reader that offers this functionality). | Pass |
| Additional Information: | PDF pages 1-40 checked. Adobe Acrobat Pro XI. |
| B. If the digital resource is an electronic alternative to printed materials, the page numbers correspond to the printed material. | N/A |
| Additional Information: | Skipped. |

5. Reading Order

| | |
|---|---|
| A. The reading order for digital resource content logically corresponds to the visual layout of the page when rendered by assistive technology. | Fail |
| Additional Information: | PDF pages 1, 2, 100, 134, and 238 checked. The pages are read in the correct order; however, the way that each section is read is as if each line were a new paragraph, placing a cumbersome and distracting pause between each line and slowing down the overall narration speed. Once again, the order is correct, but the sectioning of the content is wrong. Adobe Acrobat Pro XI. |



6. Structural Markup/Navigation

| | |
|---|---|
| <p>A. The text of the digital resource includes markup (e.g. tags or styles) that allows for navigation by key structural elements (chapters, headings, pages) using assistive technology (or is rendered by an application such as a browser, media player, or reader that offers this functionality).</p> | <p>Fail</p> |
| <p>Additional Information:</p> | <p>1/4 checks passed. Adobe Acrobat Pro XI. Document passes bookmark and heading checks, but not tagged pdf nor title checks. However, though there exists bookmarks, there are only two, neither of which are useful.</p> |
| <p>B. The text of the digital resource includes markup for bullets and numbered lists that is compatible with assistive technology (or is rendered by an application such as a browser, media player, or reader that offers this functionality).</p> | <p>Pass</p> |
| <p>Additional Information:</p> | <p>Passes both list item and lbl and lbody checks. Adobe Acrobat Pro XI.</p> |
| <p>C. If the text of the digital resource is delivered within an ebook reader application, a method is provided that allows users to bypass the reader interface and move directly to the text content that is compatible with assistive technology.</p> | <p>N/A</p> |
| <p>Additional Information:</p> | <p>Skipped.</p> |

7. Tables

| | |
|---|-------------------|
| <p>A. Data tables include markup (e.g. tags or styles) that identifies row and column headers in a manner that is compatible with assistive technology (or are rendered by an application such as a browser, media player, or reader that offers this functionality).</p> | <p>N/A</p> |
|---|-------------------|



| | |
|-------------------------|---|
| Additional Information: | No tables found. Adobe Acrobat Pro XI. |
|-------------------------|---|

8. *Hyperlinks*

| | |
|--|--|
| A. In-book links take you to a location within the textbook. For example, the table of contents would be considered in-book links and embedded links take you to the correct location in the book. | N/A |
| Additional Information: | No within book hyperlinks. Adobe Acrobat Pro XI. |
| B. Live hyperlinks take you to any website or webpages external to the book. | Fail |
| Additional Information: | Averaged score. |
| C. Live links take you to the correct webpage that is functioning properly. | Fail |
| Additional Information: | 12/20 links. PDF pages 174, 206, 228, 231, 266, and 282 checked. Adobe Acrobat Pro XI. The link on page 174 to exargentina.org leads to a Korean (and not a Spanish) page (domain name is still correct). The desacuertos.org link on the same page does not seem to be maintained (ad for hosting automation software is presented). The 3 arteleku.net links lead to pages that no longer exist. The link on PDF page 231 does not lead to the specific file on the domain, but rather to the home page of the domain. The domain linked on PDF page 266 (universidadnomanda.net) no longer exists/is for sale. |
| D. Live links are descriptive enough for the users to know where it should take them. | Fail |
| Additional Information: | 0/20 links. PDF pages 174, 206, 228, 231, 266, and 282 checked. No alternate text/descriptions for links. Adobe Acrobat Pro XI. |



9. Color and Contrast

| | |
|--|---|
| <p>A. All information within the material that is conveyed using color is also available in a manner that is compatible with those that do not perceive color, and information conveyed by color is also conveyed in other ways.</p> | <p>Fail</p> |
| <p>Additional Information:</p> | <p>PDF pages 174, 206, 228, 231, 266, and 282 checked. No links displayed color redundancy (neither colored differently nor underlined). Adobe Acrobat Pro XI.</p> |
| <p>B. Information is conveyed from the sub-categories for contrast.</p> | <p>Pass</p> |
| <p>Additional Information:</p> | <p>Averaged score.</p> |
| <p>C. Contrast for headers passed WCAG AA standards for large texts (contrast ratio 3:1).</p> | <p>Pass</p> |
| <p>Additional Information:</p> | <p>PDF pages 1-287 checked. Cover page passes for "AA" large text (3.72:1). Headers are black on white (21.0:1).</p> |
| <p>D. Contrast for text passed WCAG AA standards for normal texts (contrast ratio of 4.5:1).</p> | <p>Pass</p> |
| <p>Additional Information:</p> | <p>PDF pages 1-287 checked. Text is black on white (21.0:1). Adobe Acrobat Pro XI.</p> |
| <p>E. Contrast for simple images (for example, images of atoms) passed WCAG AA standards (contrast ratio of 4.5:1).</p> | <p>N/A</p> |
| <p>Additional Information:</p> | <p>No simple images found. Adobe Acrobat Pro XI.</p> |

10. Language

| | |
|--|--|
| <p>A. The text of the digital resource includes markup that declares the language of the content in a manner that is compatible with assistive technology.</p> | <p>Fail</p> |
| <p>Additional Information:</p> | <p>Primary language check failed. Adobe Acrobat Pro XI.</p> |
| <p>B. If the digital resource includes passages in a foreign language, these passages include markup that declares the language in a</p> | <p>Fail</p> |



| | |
|--|---|
| manner that is compatible with assistive technology. | |
| Additional Information: | Document has frequent terms in different languages (Spanish, French, Latin, etc.) and is not differentiated from English passages by the narrator. Adobe Acrobat Pro XI. |

11.Images

| | |
|---|--|
| A. Non-decorative images have alternative text that is compatible with assistive technology (or is rendered by an application such as a browser, media player, or reader that offers this functionality). | N/A |
| Additional Information: | No non-decorative images found. Adobe Acrobat Pro XI. |
| B. Decorative images are marked with null alternate text or contain markup that allows them to be ignored by assistive technology. | N/A |
| Additional Information: | No decorative images found. Adobe Acrobat Pro XI. |
| C. Complex images, charts, and graphs have longer text descriptions that are compatible with assistive technology (or are rendered by an application such as a browser, media player, or reader) that offers this functionality). | N/A |
| Additional Information: | No complex images found. Adobe Acrobat Pro XI. |

12.Multimedia

| | |
|---|---|
| A. A synchronized text track (e.g. open or closed captions) is provided with all video content. | N/A |
| Additional Information: | No multimedia found. Adobe Acrobat Pro XI. |
| B. A transcript is provided with all audio content. | N/A |
| Additional Information: | No multimedia found. Adobe Acrobat Pro XI. |



| | |
|---|--|
| C. Audio/video content is delivered via a media player that is compatible with assistive technology. This includes support for all criteria listed in Section 15 below. | N/A |
| Additional Information: | No multimedia found. Adobe Acrobat Pro XI. |

13. Flickering

| | |
|--|---|
| A. The digital resource content does not contain anything that flashes more than three times in any one-second period. | Pass |
| Additional Information: | PDF pages 1-287 checked. No flickering. Adobe Acrobat Pro XI. |

14. Science, Technology, Engineering, and Math (STEM)

| | |
|---|--|
| A. STEM figures have appropriate markup that indicates that the image is a figure. | N/A |
| Additional Information: | No STEM content found. Adobe Acrobat Pro XI. |
| B. STEM graphs have appropriate markup that indicates that the image is a graph. | N/A |
| Additional Information: | No STEM content found. Adobe Acrobat Pro XI. |
| C. STEM equations have appropriate markup that indicates that the image is an equation. | N/A |
| Additional Information: | No STEM content found. Adobe Acrobat Pro XI. |
| D. STEM tables have appropriate markup that indicates the image is a table. | N/A |
| Additional Information: | No STEM content found. Adobe Acrobat Pro XI. |
| E. STEM figures have appropriate notation markup that conveys both the notation (presentation) and meaning (semantics) of the STEM content. | N/A |
| Additional Information: | No STEM content found. Adobe Acrobat Pro XI. |
| F. STEM graphs have appropriate notation markup that conveys both the notation | N/A |



| | |
|---|---|
| (presentation) and meaning (semantics) of the STEM content. | |
| Additional Information: | No STEM content found. Adobe Acrobat Pro XI. |
| G. STEM equations have appropriate notation markup that conveys both the notation (presentation) and meaning (semantics) of the STEM content. | N/A |
| Additional Information: | No interactive elements found. Adobe Acrobat Pro XI. |
| H. Assistive technology used can access the content from the STEM tables. | N/A |
| Additional Information: | No interactive elements found. Adobe Acrobat Pro XI. |

15. Interactive Elements

| | |
|--|---|
| A. Each interactive element (e.g. menu, hyperlink, button) and function (e.g. annotations) allows keyboard-only operation both with and without assistive technology. | N/A |
| Additional Information: | No interactive elements found. Adobe Acrobat Pro XI. |
| B. Each interactive element conveys information to assistive technology regarding the element's name, type, and status (e.g. "Play, button, selected"). | N/A |
| Additional Information: | |
| C. All instructions, prompts, and error messages necessary to complete forms are conveyed as text to assistive technology (or are rendered by an application such as a browser, media player, or reader that offers this functionality). | N/A |
| Additional Information: | |



DETAILED ACCESSIBILITY EVALUATION REPORT using Non-Assistive Technologies

Non-Assistive Technologies (NAT) Evaluations applies only native or basic tools and software such as the keyboard and Narrator in the accessibility evaluation process. These non-assistive technologies are readily available and used by the general public.

1. Accessibility Documentation

| | |
|---|--|
| A. The organization providing the online materials has a formal accessibility policy. | Fail |
| Additional Information: | There were no links provided for additional information regarding the formal accessibility policy. The program used to analyze text content was Adobe XI Pro for Windows. |
| B. The organization providing the online materials has an accessibility statement. | Fail |
| Additional Information: | There were no links provided for additional information regarding the accessibility statement. The program used to analyze text content was Adobe XI Pro for Windows. |
| C. An Accessibility Evaluation Report is available from an external organization. | Fail |
| Additional Information: | There were no links provided for additional information regarding accessibility. The program used to analyze text content was Adobe XI Pro for Windows. |

2. Text Access

| | |
|---|--|
| A. The text of the digital resource is available to assistive technology that allows the user to enable text-to-speech (TTS) functionality. | Pass |
| Additional Information: | 5/5 pages were analyzed and passed text to speech. Pages 24 through 29 were used for this analysis. Text content was readable by Adobe Reader XI Pro. The program used to analyze text content was Adobe Reader Pro XI. |



3. Text Adjustment

| | |
|--|---|
| A. Text is compatible with assistive technology. | Pass |
| Additional Information: | 5/5 pages were analyzed and passed text size compatibility. Pages 24 through 29 were used for this analysis. The text content of the chapter allowed for adequate text size adjustment between the ranges of 30% to 300% zoom. The program used to analyze text content was Adobe Reader Pro XI. |
| B. The resource allows the user to adjust the font size and font/background color (or is rendered by an application such as a browser, media player, or reader) that offers this functionality). | Pass |
| Additional Information: | 5/5 pages were analyzed and passed. Pages 24 through 29 were analyzed and allowed for adequate adjustment of the font/background color. The program used to analyze text content was Adobe Reader Pro XI. |

4. Reading Layout

| | |
|--|---|
| A. Text of the digital resource is compatible with assistive technology that allows the user to reflow the text by specifying the margins and line spacing (or is rendered by an application such as a browser, media player, or reader that offers this functionality). | Pass |
| Additional Information: | 5/5 pages were analyzed and passed text size compatibility. Pages 24 through 29 were used for this analysis. The text content of the chapter allowed for adequate reflow of the text between the ranges of 30% to 300% zoom. The program used to analyze text content was Adobe Reader Pro XI. |
| B. If the digital resource is an electronic alternative to printed materials, the page numbers correspond to the printed material. | N/A |
| Additional Information: | 0/0 pages were analyzed and passed. We do not have access to the printed versions of the text |



| | |
|--|--|
| | content. The program used to analyze text content was Adobe Reader Pro XI. |
|--|--|

5. Reading Order

| | |
|--|---|
| <p>A. The reading order for digital resource content logically corresponds to the visual layout of the page when rendered by assistive technology.</p> | <p>Pass</p> |
| <p>Additional Information:</p> | <p>5/5 pages were analyzed and passed for digital resource layout. Pages 24 through 29 were used for this analysis. The reading order for digital resource content logically corresponded to the visual layout of the page. The program used to analyze the digital resource layout was Adobe Reader Pro XI.</p> |

6. Structural Markup/Navigation

| | |
|---|--|
| <p>A. The text of the digital resource includes markup (e.g. tags or styles) that allows for navigation by key structural elements (chapters, headings, pages) using assistive technology (or is rendered by an application such as a browser, media player, or reader that offers this functionality).</p> | <p>Fail</p> |
| <p>Additional Information:</p> | <p>2/4 navigation text content (tagged PDF, title, bookmarks, headings) was analyzed and passed markup for navigational text. Only the bookmarks and headings content passed analysis. Adobe Reader XI Pro was used to analyze navigational text. The text of the digital resource did not include markup that allowed for adequate navigation of the document. All standard headings were black text on a white background. The program used to analyze the digital resource layout was Adobe Reader Pro XI.</p> |
| <p>B. The text of the digital resource includes markup for bullets and numbered lists that is compatible with assistive technology (or is rendered by an application such as a browser,</p> | <p>Pass</p> |



| | |
|---|--|
| media player, or reader that offers this functionality). | |
| Additional Information: | 10/10 lists were analyzed and passed. The lists were found on pages 48, 53, 71, 82, 97, 135, 148, 150, 160, and 174. The lists passed for both accessibility criteria, list items, and Lbl and Lbody. A manual check of the lists indicated that the reader could access the information. Adobe Reader XI Pro was used to analyze the lists in the text document. |
| C. If the text of the digital resource is delivered within an ebook reader application, a method is provided that allows users to bypass the reader interface and move directly to the text content that is compatible with assistive technology. | N/A |
| Additional Information: | 0/0 content analyzed and passed. We are not using any additional e-reader applications at this time. Adobe Reader XI Pro was used to analyze the content of the text document. |

7. Tables

| | |
|--|---|
| A. Data tables include markup (e.g. tags or styles) that identifies row and column headers in a manner that is compatible with assistive technology (or are rendered by an application such as a browser, media player, or reader that offers this functionality). | N/A |
| Additional Information: | No tables were found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |

8. Hyperlinks

| | |
|---|------------|
| A. In-book links take you to a location within the textbook. For example, the table of contents would be considered in-book links and | N/A |
|---|------------|



| | |
|--|---|
| <p>embedded links take you to the correct location in the book.</p> | |
| <p>Additional Information:</p> | <p>0/0 within book links were analyzed and passed. No within book links could be located for the document. The accessibility tool for Adobe XI Pro indicated that navigational links passed. Adobe Reader XI Pro was used to analyze the content of the text document.</p> |
| <p>B. Live hyperlinks take you to any website or webpages external to the book.</p> | <p>Fail</p> |
| <p>Additional Information:</p> | <p>This is a combined average of the following two subsections of the links description and functionality. The program used to analyze text content was Adobe Reader Pro XI.</p> |
| <p>C. Live links take you to the correct webpage that is functioning properly.</p> | <p>Pass</p> |
| <p>Additional Information:</p> | <p>15/20 live links were analyzed and passed. The failing links were found on pages 174 (transform.eipep.net; and three links with the address: arteleku.net), and 276 (opendemocracy.net). The failing links resulted in a "page not found" error. The accessibility tool with Adobe Reader XI Pro indicated that navigational links passed. The program used to analyze text content was Adobe Reader Pro XI. Google chrome was used to access the links online.</p> |
| <p>D. Live links are descriptive enough for the users to know where it should take them.</p> | <p>Fail</p> |
| <p>Additional Information:</p> | <p>0/20 links were analyzed and passed for adequate descriptions. Links were found on pages 7, 174, and 276. Links failed for adequate description due to the fact that they were all presented in the form of a URL address. The accessibility tool for Adobe Reader XI Pro indicated that navigational links passed. The program used to analyze text content was Adobe Reader Pro XI. Google chrome was used to access the links online.</p> |



9. Color and Contrast

| | |
|--|---|
| <p>A. All information within the material that is conveyed using color is also available in a manner that is compatible with those that do not perceive color, and information conveyed by color is also conveyed in other ways.</p> | <p>N/A</p> |
| <p>Additional Information:</p> | <p>0/0 pages were analyzed and passed for color redundancy. Pages 24 through 39 were used for this analysis. The text content was not color redundant in that there was no content requiring adequate means of distinguishing the content aside from color. The program used to analyze text content was Adobe Reader Pro XI.</p> |
| <p>B. Information is conveyed from the sub-categories for contrast.</p> | <p>Pass</p> |
| <p>Additional Information:</p> | <p>This is an average score taken from the combined sub sections of the color and contrast field. The content was analyzed using the color contrast analyzer tool.</p> |
| <p>C. Contrast for headers passed WCAG AA standards for large texts (contrast ratio 3:1).</p> | <p>Pass</p> |
| <p>Additional Information:</p> | <p>6/6 headers were analyzed and passed for adequate color contrast. 15/15 pages analyzed passed. Text content from pages 24 through 39 were used for this analysis. All standard headings were black text on a white background. The content was analyzed using the color contrast analyzer tool. The program used to analyze text content was Adobe Reader Pro XI.</p> |
| <p>D. Contrast for text passed WCAG AA standards for normal texts (contrast ratio of 4.5:1).</p> | <p>Pass</p> |
| <p>Additional Information:</p> | <p>32/32 text samples were analyzed and passed for adequate color contrast. 15/15 pages analyzed passed. Text content from pages 24 through 39 were used for this analysis. The content was analyzed using the color contrast analyzer tool. The program used to analyze text content was Adobe Reader Pro XI.</p> |



| | |
|--|--|
| E. Contrast for simple images (for example, images of atoms) passed WCAG AA standards (contrast ratio of 4.5:1). | N/A |
| Additional Information: | No simple images were found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |

10. Language

| | |
|--|---|
| A. The text of the digital resource includes markup that declares the language of the content in a manner that is compatible with assistive technology. | Fail |
| Additional Information: | The text of the digital resource did not include markup that declares the primary language of the text document content. The program used to analyze text content was Adobe Reader Pro XI. |
| B. If the digital resource includes passages in a foreign language, these passages include markup that declares the language in a manner that is compatible with assistive technology. | N/A |
| Additional Information: | The accessibility tools for this program only analyze the primary language of the text document. The program used to analyze text content was Adobe Reader Pro XI. |

11. Images

| | |
|---|---|
| A. Non-decorative images have alternative text that is compatible with assistive technology (or is rendered by an application such as a browser, media player, or reader that offers this functionality). | N/A |
| Additional Information: | No images were found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |



| | |
|---|---|
| B. Decorative images are marked with null alternate text or contain markup that allows them to be ignored by assistive technology. | N/A |
| Additional Information: | No images were found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| C. Complex images, charts, and graphs have longer text descriptions that are compatible with assistive technology (or are rendered by an application such as a browser, media player, or reader) that offers this functionality). | N/A |
| Additional Information: | No images were found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |

12.Multimedia

| | |
|---|---|
| A. A synchronized text track (e.g. open or closed captions) is provided with all video content. | N/A |
| Additional Information: | No multimedia were found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| B. A transcript is provided with all audio content. | N/A |
| Additional Information: | No multimedia were found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| C. Audio/video content is delivered via a media player that is compatible with assistive technology. This includes support for all criteria listed in Section 15 below. | N/A |
| Additional Information: | No multimedia were found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |



13. Flickering

| | |
|--|---|
| A. The digital resource content does not contain anything that flashes more than three times in any one-second period. | Pass |
| Additional Information: | While analyzing book material there was no flickering on any of the pages. The program used to analyze text content was Adobe Reader Pro XI. |

14. Science, Technology, Engineering, and Math (STEM)

| | |
|---|--|
| A. STEM figures have appropriate markup that indicates that the image is a figure. | N/A |
| Additional Information: | No STEM content was found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| B. STEM graphs have appropriate markup that indicates that the image is a graph. | N/A |
| Additional Information: | No STEM content was found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| C. STEM equations have appropriate markup that indicates that the image is an equation. | N/A |
| Additional Information: | No STEM content was found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| D. STEM tables have appropriate markup that indicates the image is a table. | N/A |
| Additional Information: | No STEM content was found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| E. STEM figures have appropriate notation markup that conveys both the notation (presentation) and meaning (semantics) of the STEM content. | N/A |



| | |
|---|--|
| Additional Information: | No STEM content was found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| F. STEM graphs have appropriate notation markup that conveys both the notation (presentation) and meaning (semantics) of the STEM content. | N/A |
| Additional Information: | No STEM content was found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| G. STEM equations have appropriate notation markup that conveys both the notation (presentation) and meaning (semantics) of the STEM content. | N/A |
| Additional Information: | No STEM content was found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| H. Assistive technology used can access the content from the STEM tables. | N/A |
| Additional Information: | No STEM content was found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |

15. Interactive Elements

| | |
|---|---|
| A. Each interactive element (e.g. menu, hyperlink, button) and function (e.g. annotations) allows keyboard-only operation both with and without assistive technology. | N/A |
| Additional Information: | No interactive elements were found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| B. Each interactive element conveys information to assistive technology regarding the element's name, type, and status (e.g. "Play, button, selected"). | N/A |



| | |
|--|---|
| Additional Information: | No interactive elements were found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |
| C. All instructions, prompts, and error messages necessary to complete forms are conveyed as text to assistive technology (or are rendered by an application such as a browser, media player, or reader that offers this functionality). | N/A |
| Additional Information: | No interactive elements were found within the text resource. The program used to analyze text content was Adobe Reader Pro XI. |

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