



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: A Popular History of the Art of Music
Format of Textbook: HTML

Assistive Technology (AT) Evaluation Score: Overall	4.3 (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	2.5 (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:	There were no links provided for additional information regarding the formal accessibility policy. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.
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 NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.
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 NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.

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.	Fail
Additional Information:	0/6 chapters were analyzed and passed. Chapters 1 through 6 were used for this analysis. The text of the



	<p>digital resource is not available to assistive technology that allows the user to enable text-to-speech (TTS) functionality. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</p>
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3. Text Adjustment

<p>A. Text is compatible with assistive technology.</p>	<p>Pass</p>
<p>Additional Information:</p>	<p>6/6 chapters were analyzed and passed text size compatibility. Chapters 1 through 6 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 NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</p>
<p>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).</p>	<p>Fail</p>
<p>Additional Information:</p>	<p>0/6 chapters were analyzed and passed. Chapters 1 through 6 were analyzed and did not allow for adequate adjustment of the font/background color of the text. The tool used to analyze this component was the Google extension "Care your Eyes". Google chrome was used to access the book online.</p>

4. Reading Layout

<p>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).</p>	<p>Pass</p>
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<p>Additional Information:</p>	<p>30/30 web pages were analyzed and passed. Content was taken from chapters 1 through 6. All of the web pages analyzed allowed for adequate text reflow between 30% and 300% zoom levels. Horizontal scrolling was not required. The chapters analyzed were viewed as single pages rather than multiple pages or traditional dual page views. Results may vary depending on screen size. Text reflow was analyzed using a standard Toshiba laptop with a 16 inch screen size. Google chrome was used to access the book online.</p>
<p>B. If the digital resource is an electronic alternative to printed materials, the page numbers correspond to the printed material.</p>	<p>Pass</p>
<p>Additional Information:</p>	<p>30/30 web pages were analyzed and passed for matching page number content in the PDF version. Chapters 1 through 6 were used for this analysis. The HTML version of the book has page numbers corresponding to the PDF version. The content covered in each chapter and section is the same in both the HTML and PDF versions. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</p>

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>Fail</p>
<p>Additional Information:</p>	<p>0/5 pages were analyzed and passed for digital resource layout. Chapters 1 through 6 were used for this analysis. The reading order for digital resource content could not be determined to logically correspond to the visual layout of the page when rendered by assistive technology due to the fact that the reader could not access the text content. The program used to analyze the digital resource layout</p>



	<p>was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</p>
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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>0/6 chapters were analyzed and passed markup for navigational text. Chapters 1 through 6 were used to analyze navigational text. The text of the digital resource did not include markup that allowed for navigation by heading levels using assistive technology due to the fact that the reader could not access the content. All level headings were black text on a brownish-white background. The program used to analyze navigational text was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</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>N/A</p>
<p>Additional Information:</p>	<p>0/0 lists were analyzed and passed for structural markup of lists. Chapters 1 through 6 were used to analyze lists. There were no lists located within the text to test that the text of the digital resource included markup for bullets and numbered lists that was compatible with assistive technology. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</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>0/0 text content analyzed for structural markup for eReader application. No additional eReader application being used in this evaluation. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</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>
<p>Additional Information:</p>	<p>0/0 tables were analyzed and passed markup. Chapters 1 through 6 were used for this analysis. There were no tables located within the text to test that data tables included markup that identified row and column headers in a manner that was compatible with assistive technology. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</p>

8. Hyperlinks

<p>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.</p>	<p>N/A</p>
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Additional Information:	The within book links are included in the live links analysis for HTML formats.
B. Live hyperlinks take you to any website or webpages external to the book.	N/A
Additional Information:	0/0 links were analyzed and passed. This is a combined average of the following two subsections of the links description and functionality. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.
C. Live links take you to the correct webpage that is functioning properly.	N/A
Additional Information:	0/0 links were analyzed and passed for functionality. There were no links located within chapters 1 through 6 to determine if The links took you to the correct location. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.
D. Live links are descriptive enough for the users to know where it should take them.	N/A
Additional Information:	0/0 links were analyzed and passed for link description. There were no links found in chapters 1 through 6 to determine if there was adequate descriptions of the links that aided in determining where they would take you. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.

9. Color and Contrast

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.	N/A
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<p>Additional Information:</p>	<p>0/0 chapters were analyzed and passed for color redundancy. Chapter 1 through 6 were analyzed. The text content was not color redundant in that there was no information that required providing adequate means of distinguishing the content aside from color. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</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. Google chrome was used to access the book online.</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 chapters were analyzed and passed for adequate header color contrast. Chapters 1 through 6 were used for analysis. All heading levels were black text on a brownish-white background. The content was analyzed using the color contrast analyzer tool. Google chrome was used to access the book online.</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>6/6 chapters were analyzed and passed for adequate text color contrast. Chapters 1 through 6 were used for analysis. All standard text samplings were of black text on a brownish-white background. The content was analyzed using the color contrast analyzer tool. Google chrome was used to access the book online.</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>0/0 chapters with simple images were analyzed and passed color contrast. There were no simple images</p>



	found in chapters 1 through 6. The content was analyzed using the color contrast analyzer tool. Google chrome was used to access the book online.
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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 language of the content in a manner that is compatible with assistive technology due to the fact that the reader could not access the content. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.
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.	Fail
Additional Information:	The portions of text content that contained foreign languages, musical lyrics, did not include markup that declares the language in a manner that is compatible with assistive technology due to the fact that the reader could not access the content. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.

11. Images

A. Non-decorative images have alternative text that is compatible with assistive technology (or is rendered by an application such as a	Fail
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<p>browser, media player, or reader that offers this functionality).</p>	
<p>Additional Information:</p>	<p>0/0 chapters with non-decorative images were analyzed and passed. Chapters 1 through 3 were used for this analysis. 0/23 non-decorative images passed. No alternate text descriptions are provided for each non-decorative image that are compatible with assistive technology due to the fact that the reader could not access the content. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</p>
<p>B. Decorative images are marked with null alternate text or contain markup that allows them to be ignored by assistive technology.</p>	<p>N/A</p>
<p>Additional Information:</p>	<p>0/0 chapters with decorative images were analyzed and passed. There were no decorative images located within chapters 1 through 6 to determine if the images are marked with null alternate text or contain markup that allows them to be ignored by assistive technology. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</p>
<p>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).</p>	<p>N/A</p>
<p>Additional Information:</p>	<p>0/0 chapters with complex images were analyzed and passed. There were no complex images found within chapters 1 through 6. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.</p>



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 content was found within the text.
B. A transcript is provided with all audio content.	N/A
Additional Information:	No multimedia content was found within the text.
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:	Not using additional assistive tech to open audio/video content at this time. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.

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 NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.

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

A. STEM figures have appropriate markup that indicates that the image is a figure.	Fail
Additional Information:	0/3 figures were analyzed and passed. All STEM figures were taken from chapter 33. Only 3 STEM figures were found within the text. The figures are not marked up in a manner that is compatible with assistive technology due to the fact that the reader could not access the content. The program used to



	analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.
B. STEM graphs have appropriate markup that indicates that the image is a graph.	N/A
Additional Information:	No STEM content located for this section within the text.
C. STEM equations have appropriate markup that indicates that the image is an equation.	Fail
Additional Information:	0/6 equations were analyzed and passed. STEM equations were found in chapter 3, only 6 STEM equations were found within the text. The equations were not marked up in a manner that is compatible with assistive technology due to the fact that the reader could not access the content. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.
D. STEM tables have appropriate markup that indicates the image is a table.	N/A
Additional Information:	No STEM content located for this section within the text.
E. STEM figures have appropriate notation markup that conveys both the notation (presentation) and meaning (semantics) of the STEM content.	Pass
Additional Information:	3/3 figures were analyzed and passed. All STEM figures were taken from chapter 33. Only 3 STEM figures were found within the text. The resource conveys both the notation (presentation) and meaning (semantics) of the STEM content. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.
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 located for this section within the text.
G. STEM equations have appropriate notation markup that conveys both the notation (presentation) and meaning (semantics) of the STEM content.	Pass
Additional Information:	6/6 equations were analyzed and passed. STEM equations were found in chapter 3, only 6 STEM equations were found within the text. The resource conveys both the notation (presentation) and meaning (semantics) of the STEM content. The program used to analyze text content was NVDA which is an open source screen reader for Windows. Google chrome was used to access the book online.
H. Assistive technology used can access the content from the STEM tables.	N/A
Additional Information:	No STEM content located for this section within the text.

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 located within the text.
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 located within the text.
C. All instructions, prompts, and error messages necessary to complete forms are conveyed as	N/A



text to assistive technology (or are rendered by an application such as a browser, media player, or reader that offers this functionality).	
Additional Information:	No interactive elements were located within the text.

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:	Not found
B. The organization providing the online materials has an accessibility statement.	Fail
Additional Information:	Not found
C. An Accessibility Evaluation Report is available from an external organization.	Fail
Additional Information:	Not found

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.	Fail
Additional Information:	Text to speak funtion does not work. This book is scanned version of the textbook.



California Open Online Library for Education

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3. Text Adjustment

A. Text is compatible with assistive technology.	Fail
Additional Information:	This is a scanned version of the textbook. The scanned copy can not be adjusted in size with google chrome.
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:	Adjustment of color work with care your eyes but it doesn't really change colors. It just gives the text more contrast.

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).	Fail
Additional Information:	The scanned copy of the textbook is treated like an image. The image does reflow however you make web browser smaller the images get smaller and the text of the scanned document cannot be read.
B. If the digital resource is an electronic alternative to printed materials, the page numbers correspond to the printed material.	N/A
Additional Information:	No printed or pdf version found.



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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>N/A</p>
<p>Additional Information:</p>	<p>Non AT Tech only.</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>N/A</p>
<p>Additional Information:</p>	<p>Non AT Tech only.</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>N/A</p>
<p>Additional Information:</p>	<p>Non AT Tech only.</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>Non AT Tech only.</p>



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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:	Non AT Tech only.

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 links in HTML.
B. Live hyperlinks take you to any website or webpages external to the book.	N/A
Additional Information:	Average Score
C. Live links take you to the correct webpage that is functioning properly.	N/A
Additional Information:	No hyperlinks found with the actual content of scanned book.
D. Live links are descriptive enough for the users to know where it should take them.	N/A
Additional Information:	No hyperlinks found with the actual content of scanned book.

9. Color and Contrast

A. All information within the material that is conveyed using color is also available in a	N/A
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manner that is compatible with those that do not perceive color, and information conveyed by color is also conveyed in other ways.	
Additional Information:	Scanned document version of the textbook is just black and the off white color in the background.
B. Information is conveyed from the sub-categories for contrast.	Pass
Additional Information:	Average Score
C. Contrast for headers passed WCAG AA standards for large texts (contrast ratio 3:1).	Pass
Additional Information:	Background is an off white color with text black. Contrast analyzer was used.
D. Contrast for text passed WCAG AA standards for normal texts (contrast ratio of 4.5:1).	Fail
Additional Information:	Text is black and background is an off white color.
E. Contrast for simple images (for example, images of atoms) passed WCAG AA standards (contrast ratio of 4.5:1).	Pass
Additional Information:	Images black and background is off white.

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:	No language tag found.
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



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Additional Information:	No other language found.
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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).	Fail
Additional Information:	Images do not have alt tags.
B. Decorative images are marked with null alternate text or contain markup that allows them to be ignored by assistive technology.	Fail
Additional Information:	Images do not have alt tags.
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.

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.
B. A transcript is provided with all audio content.	N/A
Additional Information:	No multimedia found.
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



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Additional Information:	No multimedia found.
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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:	No flickering found in any page.

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



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Additional Information:	No stem graphs found.
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 equations found.
H. Assistive technology used can access the content from the STEM tables.	N/A
Additional Information:	No stem tables found.

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:	Non-Assistive Technologies only.
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:	Non-Assistive Technologies only.
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:	Non-Assistive Technologies only.



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