

# Accessibility within Carnegie Math Pathways

*Document revised January 4, 2021 – Version 1.7*

Ensuring an accessible and pleasant experience to all users, regardless of disability, is important to Carnegie Math Pathways. The Carnegie Math Pathways platform was built using the most modern HTML and CSS technologies, and is committed to W3C's Web Accessibility Initiative and [Section 508](#) guidelines.

The Voluntary Product Accessibility Template, or VPAT, is a tool that administrators and decision-makers can use to evaluate Carnegie Math Pathways' conformance with the accessibility standards under Section 508 of the Rehabilitation Act and WCAG A/AA. To obtain a copy of the VPAT, please contact us at <https://carnegiemathpathways.org/contact-us/>

## Navigation

Tabbing takes the user through the top navigation menu then to actionable links or fields or buttons within a form in the order they appear on the page and then finally through the footer navigation options, including a Site Map. A Skip to Content option allows the user to skip the top navigation and access the main content on any page.

## Accessibility of Third-party Integrations

### Möbius

Carnegie Math Pathways uses Möbius as a homework platform for instructors and students for face-to-face courses. The Möbius VPAT can be found at <https://digitaled.com/support/accessibility>  
Contact [support@digitaled.com](mailto:support@digitaled.com) with questions.

DigitalEd VPAT remarks and explanations on items that are partially supported:

#### 1.1.1 Non-text Content:

Web: Images within a question, slideshow, or lesson support alttext.

Mathematical Plots, Math Apps, Sketching Questions, Clickable Image Questions, and Free Body Diagram Questions do not have alttext attribute. Math is rendered using MathJax. Any screen reader that supports MathJax will be able to read Math in Möbius barring screen reader system requirements.

Electronic Docs: alttext is not included with images in the documentation.

#### 1.2.2 Captions (Prerecorded)

Web: Embedded multimedia relies on native support for closed captions. Interactive Narratives do not currently support captioning, but their usage is optional. Users have the option to include a transcript as a text item properly labelled below the Interactive Narrative.

### 1.3.1 Info and Relationships

In general, Möbius allows Instructors and Authors to modify HTML directly when building or changing content. We do not have any near-term plans to constrain their usage to enforce these guidelines, leaving the responsibility with the instructor or author.

### 2.1.1 Keyboard

Web: Sketching and Free Body Diagram response areas do not support keyboard input but these areas are not currently in use in Carnegie Math Pathways. Identification of elements that do not receive keyboard focus are “How Did I Do?”. This has been investigated and is currently under revision.

### 2.1.2 No Keyboard Trap

Web: Symbolic mathematical editor has been identified as a keyboard trap. A resolution to this issue is being pursued.

### 2.5.3 Label in Name

Web: The controls for the class and system calendar do not have names that accompany the icons. No other buttons or components contain labels that are presented purely visually. There is some mismatch between visual and programmatic names that may interfere with screen reader support.

Electronic Docs: Some document elements do not have the appropriate label for the name.

### 3.3.2 Labels or Instructions

Web: Some forms lack appropriate indication of required fields. These shortcomings have been investigated and are currently being revised. Content with forms created by authors must be created accessible at the external author’s discretion.

### 4.1.2 Name, Role Value

Web: The Sketching and Free Body Diagram response area type use non-standard input controls that do not meet these requirements. The response area types are not currently used in Carnegie Math Pathways.

## **Service Cloud**

Salesforce Service Cloud is used for providing support to students and faculty users. Service Cloud contains known issues that are native to the Service Cloud software and cannot be addressed by Carnegie Math Pathways. These issues are:

- Broken ARIA references and menu

- Redundant links and text: Section header and View All option on landing page direct the user to the same page
- Missing form labels on Contact Support.
- Skipped header on article pages.

Salesforce Service Cloud VPAT can be found at:

[https://c1.sfdcstatic.com/content/dam/web/en\\_us/www/documents/legal/508\\_accessibility/salesforce-service-cloud-customer-service-vpat.pdf](https://c1.sfdcstatic.com/content/dam/web/en_us/www/documents/legal/508_accessibility/salesforce-service-cloud-customer-service-vpat.pdf)

### **Canvas**

In some circumstances, the Carnegie Math Pathways faculty courses and seminars use the Canvas Learning Management System platform. Canvas provides information about accessibility at

<https://community.canvaslms.com/docs/DOC-2061-accessibility-within-canvas>

The Canvas VPAT can be found at <https://www.instructure.com/canvas/accessibility>

### **Google Docs**

Some instructor materials are available as Google Docs. Google provides accessibility guidelines for Google

Doc Editors at <https://support.google.com/docs/answer/6282736?co=GENIE.Platform%3DDesktop&hl=en>

Google Accessibility Features and Products page: <https://www.google.com/accessibility/products-features/>

### **YouTube**

Faculty Videos are provided via the Carnegie Math Pathways YouTube channel:

Google Accessibility Features and Products page (includes YouTube content):

<https://www.google.com/accessibility/products-features/>

Accessibility for YouTube Mobile App: <https://support.google.com/youtube/answer/6087602>

### **Realizeit**

Carnegie Math Pathways uses Realizeit for delivery of virtual courses. Realizeit supports all WCAG A/AA level and 508 compliance elements. Video content, within the CMP virtual courses, provides options for captioning, transcripts and audio descriptive videos. The Realize VPAT is available on request. Contact Realizeit at

<http://realizeitlearning.com/contact-us/> for questions.

### **Zoom**

Carnegie Math Pathways online courses involve use of Zoom for group collaborative sessions. Zoom accessibility information can be found at <https://zoom.us/accessibility>

### **Desmos**

Carnegie Math Pathways uses Desmos for graphing and plotting data within online courses. Desmos is compliant with WCAG 2.1 accessibility standards. Learn more at <https://www.desmos.com/accessibility>