VEX Robotics Accessibility Conformance Report

WCAG Edition

(Based on VPAT® Version 2.5)

Name of Product: VEX Coding - coding.vex.com

Platform: Web

Version: NA - Evaluated as of November 10, 2026

Report Date: November 10, 2026

Product Description: A guide to coding with VEX robots: the ways to code each platform, VEXcode downloads, and resources for teaching.

Contact Information: support@vexrobotics.com

Evaluation Methods Used: Manual and automated testing with screen readers (VoiceOver), SortSite, and axe-core (Deque Systems).

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standards/guidelines (Some of the WCAG 2.2 criteria have also been considered):

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.1	Level A Level AA

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports**: The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports**: Some functionality of the product does not meet the criterion.
- **Does Not Support**: The majority of product functionality does not meet the criterion.
- **Not Applicable**: The criterion is not relevant to the product.

- **Not Evaluated**: The product has not been evaluated against the criterion. This can only be used in WCAG Level AAA criteria.

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Supports	Every image that conveys information has a text alternative. Pictures of code blocks are named with the command they show, and screenshots are described. Decorative images, such as robot artwork, are hidden from assistive technology.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Supports	Clips without sound are short screen recordings and robot demonstrations. Each has a title and a text description of what it shows, displayed with the player. The site has no audio-only content.
1.2.2 Captions (Prerecorded) (Level A)	Supports	Every narrated clip has English captions, which are on by default. The other clips have no speech.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Supports	Each clip has a text description of what it shows, displayed with the player, and the narration in narrated clips describes the actions on screen.
1.3.1 Info and Relationships (Level A)	Supports	Information, structure, and relationships shown through visual formatting (such as headings, lists, and the downloads table) are correctly defined in the code.
1.3.2 Meaningful Sequence (Level A)	Supports	The reading order of content is correctly defined in the code so assistive technologies can present it in a meaningful sequence.
1.3.3 Sensory Characteristics (Level A)	Supports	Instructions do not rely only on visual cues like shape, size, or location. Text-based descriptions are also provided.
1.4.1 Use of Color (Level A)	Supports	Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.

Criteria	Conformance Level	Remarks and Explanations
1.4.2 Audio Control (Level A)	Supports	No audio plays automatically. Clips play only when the user opens them, and the player has pause and volume controls.
2.1.1 Keyboard (Level A)	Supports	All functionality is operable with a keyboard, including the platform menu, the device buttons, and the clip and screenshot viewer.
2.1.2 No Keyboard Trap (Level A)	Supports	There are no keyboard traps. The clip and screenshot viewer closes with Escape or its Close button, and focus can be moved away from every component using only a keyboard.
2.1.4 Character Key Shortcuts (Level A 2.1 and 2.2)	Not Applicable	There are no character key shortcuts.
2.2.1 Timing Adjustable (Level A)	Not Applicable	There are no time limits on the site.
2.2.2 Pause, Stop, Hide (Level A)	Not Applicable	Nothing on the site moves, blinks, scrolls, or updates on its own. Clips play only when the user opens them.
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	Nothing on the site flashes more than three times in any one-second period.
2.4.1 Bypass Blocks (Level A)	Supports	A ‘Skip to content’ link, the first item in the tab order on every page, moves keyboard focus past the header and navigation to the main content. Pages are also divided into header, navigation, main, and footer landmarks.
2.4.2 Page Titled (Level A)	Supports	Each page has a title that describes its topic (for example, ‘VEX IQ Coding’ or ‘All Downloads’).
2.4.3 Focus Order (Level A)	Supports	Focusable components receive focus in an order that preserves meaning and operability.
2.4.4 Link Purpose (In Context) (Level A)	Supports	Each link’s text or text alternative describes its purpose (for example, ‘All downloads’). Download links that share a label, such as ‘Installer’, also name their app for assistive technology.

Criteria	Conformance Level	Remarks and Explanations
2.5.1 Pointer Gestures (Level A 2.1 and 2.2)	Supports	Everything on the site can be used with single taps or clicks. Nothing requires swiping, pinching, or dragging.
2.5.2 Pointer Cancellation (Level A 2.1 and 2.2)	Supports	Links and buttons act when a tap or click is released, not when it is pressed, so the user can move away to cancel.
2.5.3 Label in Name (Level A 2.1 and 2.2)	Supports	Each control's accessible name begins with its visible label, so speech-control users can select controls by the words they see (for example, 'Watch clip' or 'All downloads').
2.5.4 Motion Actuation (Level A 2.1 and 2.2)	Not Applicable	There are no motion operations.
3.1.1 Language of Page (Level A)	Supports	Each page identifies its language (English) in the code.
3.2.1 On Focus (Level A)	Supports	When any component receives focus, it does not initiate a change of context.
3.2.2 On Input (Level A)	Supports	Choosing a setting (such as a device, to see its downloads) updates that section in place. It does not navigate the user away or change the page without warning.
3.2.6 Consistent Help (Level A 2.2 only)	Supports	An 'Online Help' link is in the header, in the same place on every page.
3.3.1 Error Identification (Level A)	Not Applicable	The site has no forms or other user input that can produce an error.
3.3.2 Labels or Instructions (Level A)	Not Applicable	The site has no form fields. Its links and buttons have text labels.
3.3.7 Redundant Entry (Level A 2.2 only)	Not Applicable	There are no redundant entry patterns.
4.1.1 Parsing (Level A)	Supports	WCAG 2.0 and 2.1 – Always answer 'Supports' WCAG 2.2 (obsolete and removed) - Does not apply

Criteria	Conformance Level	Remarks and Explanations
4.1.2 Name, Role, Value (Level A)	Supports	All user interface components have their names, roles, and values correctly defined in the code.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not Applicable	The site has no live audio or video.
1.2.5 Audio Description (Prerecorded) (Level AA)	Supports	The narration in each narrated clip describes the actions on screen, so no separate audio description is needed. The other clips have no speech and are described in text.
1.3.4 Orientation (Level AA 2.1 and 2.2)	Supports	Pages can be viewed in both portrait and landscape without loss of content or functionality.
1.3.5 Identify Input Purpose (Level AA 2.1 and 2.2)	Not Applicable	The site has no inputs that collect information about the user.
1.4.3 Contrast (Minimum) (Level AA)	Supports	Text has enough contrast against its background (at least 4.5 to 1, or 3 to 1 for large text), including the text shown over clip thumbnails.
1.4.4 Resize text (Level AA)	Supports	Text can be resized to 200 percent with browser zoom without loss of content or functionality.
1.4.5 Images of Text (Level AA)	Supports	Images of text are used only where their appearance is essential: product logos, store badges, pictures of code blocks, and screenshots of the apps. Each has a text alternative. All other text is real text.
1.4.10 Reflow (Level AA 2.1 and 2.2)	Supports	At 320 CSS pixels wide, pages reflow to a single column without horizontal page scrolling or loss of content or functionality.

Criteria	Conformance Level	Remarks and Explanations
1.4.11 Non-text Contrast (Level AA 2.1 and 2.2)	Supports	Buttons, icons, focus indicators, and other non-text elements have enough contrast against their background (at least 3 to 1).
1.4.12 Text Spacing (Level AA 2.1 and 2.2)	Supports	The site meets all the text spacing requirements without loss of content or functionality.
1.4.13 Content on Hover or Focus (Level AA 2.1 and 2.2)	Not Applicable	The site shows no additional content on hover or focus. Link and button tooltips are the browser's own.
2.4.5 Multiple Ways (Level AA)	Supports	Pages can be reached in more than one way: through the platform bar at the top of every page, the platform cards on the home page, and links within the pages.
2.4.6 Headings and Labels (Level AA)	Supports	Headings and labels describe the topic or purpose.
2.4.7 Focus Visible (Level AA)	Supports	Every link and button shows a blue focus ring when it has keyboard focus.
2.4.11 Focus Not Obscured (Minimum) (Level AA 2.2 only)	Supports	When a component receives keyboard focus, it is not hidden by author-created content.
2.5.7 Dragging Movements (Level AA 2.2 only)	Not Applicable	Nothing on the site is operated by dragging.
2.5.8 Target Size (Minimum) (Level AA 2.2 only)	Supports	Pointer targets are at least 24 by 24 CSS pixels or have enough space around them.
3.1.2 Language of Parts (Level AA)	Not Applicable	All content on the site is in English.
3.2.3 Consistent Navigation (Level AA)	Supports	The header, platform bar, and footer appear in the same place and order on every page.
3.2.4 Consistent Identification (Level AA)	Supports	Components that have the same function are identified consistently across pages.
3.3.3 Error Suggestion (Level AA)	Not Applicable	The site has no forms or other user input that can produce an error.

Criteria	Conformance Level	Remarks and Explanations
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Not Applicable	The site does not require users to enter legal commitments or financial transaction data.
3.3.8 Accessible Authentication (Minimum) (Level AA 2.2 only)	Not Applicable	The site does not require users to log in.
4.1.3 Status Messages (Level AA 2.1 and 2.2)	Supports	When the user chooses a device, the updated download options are announced to assistive technology without moving focus.

Legal Disclaimer

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This Conformance Report applies solely to the platform version identified in the information table at the beginning of this document. Different versions, platforms, or products may have different conformance levels and are not covered by this report.

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