VEX Robotics Accessibility Conformance Report

WCAG Edition

(Based on VPAT® Version 2.5)

Name of Product: VEX Classroom Games - games.vex.com

Platform: Web

Version: NA - Evaluated as of November 11, 2026

Report Date: November 11, 2026

Product Description: A site for running classroom robotics games with VEX robots: a catalog of games for each VEX platform, with event setup, match timers, scorecards, a class display, standings, and awards.

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. Game illustrations and field setup pictures are described, platform logos are named, and the QR code for a tablet scorecard is shown with its link as text. Decorative images and icons are hidden from assistive technology.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not Applicable	The site has no prerecorded audio or video.
1.2.2 Captions (Prerecorded) (Level A)	Not Applicable	The site has no prerecorded video.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Not Applicable	The site has no prerecorded video.
1.3.1 Info and Relationships (Level A)	Supports	Information, structure, and relationships shown through visual formatting (such as headings, lists, form labels, tabs, and the standings tables) 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. The red and blue sides of a match are labeled ‘Red’ and ‘Blue’, a match winner has a checkmark, the selected tab is marked for assistive technology, and standings show each team’s rank as a number.

Criteria	Conformance Level	Remarks and Explanations
1.4.2 Audio Control (Level A)	Supports	No audio plays automatically. The match timer's tones are shorter than one second, play only after the user starts the timer, and can be turned off with the Timer sounds switch.
2.1.1 Keyboard (Level A)	Supports	All functionality is operable with a keyboard, including event setup, the match timer, the scorecards, the event tabs, the bracket, the class display controls, and the dialogs.
2.1.2 No Keyboard Trap (Level A)	Supports	There are no keyboard traps. Dialogs close with Escape or their own buttons, 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	The site sets no time limits. The match timer is a tool that the teacher starts, pauses, and resets, and nothing is submitted or lost when it ends.
2.2.2 Pause, Stop, Hide (Level A)	Supports	The match timer runs only after the user starts it and can be paused or reset. On the class display, standings change pages automatically only when the teacher turns that on, and the paging can be paused. Confetti on an award reveal lasts no more than five seconds and is left out when the device is set to reduce motion.
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 main content' link, the first item in the tab order on every page with the site header, moves keyboard focus past the header and navigation to the main content. Pages are also divided into header, navigation, main, and footer landmarks. The class display and the tablet scorecards have no navigation before their content.

Criteria	Conformance Level	Remarks and Explanations
2.4.2 Page Titled (Level A)	Supports	Each page has a title that describes its topic (for example, ‘VEX GO games’ or ‘Set up Tug of War’).
2.4.3 Focus Order (Level A)	Supports	Focusable components receive focus in an order that preserves meaning and operability. A dialog keeps focus inside it while it is open.
2.4.4 Link Purpose (In Context) (Level A)	Supports	Each link’s text or text alternative describes its purpose (for example, ‘Back to Tug of War’). Buttons that share a label, such as ‘Resume event’, also name their event for assistive technology, and links that open in a new tab say so.
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 includes its visible label, so speech-control users can select controls by the words they see (for example, ‘Open class display’ or ‘Tablet scorecard’).
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	Changing a setting (such as the timer direction or the class display view) updates that part of the page in place. It does not navigate the user away or change the page without warning.

Criteria	Conformance Level	Remarks and Explanations
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 that has the header.
3.3.1 Error Identification (Level A)	Supports	When an entry is not valid, a text message that names the field or sits directly below it says what is wrong and how to correct it. The field is outlined in red and marked as invalid for assistive technology. For example, a repeated team name gets ‘Team 2 and Team 3 have a name another team is using. Give each team a different name.’, and a mistyped time gets ‘Enter seconds or m:ss, for example 92.5 or 1:32.5.’ below the time field.
3.3.2 Labels or Instructions (Level A)	Supports	Fields that take an entry have a visible label (for example, ‘Number of teams’ or ‘Team 1’), and the bracket’s round menu shows the round it is on. Required fields say so on screen: the event name is labeled ‘Event name (required)’, and the team fields are introduced with ‘Every team needs a name of its own.’
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
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)	Not Applicable	The site has no prerecorded video.

Criteria	Conformance Level	Remarks and Explanations
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's fields hold event names, team names, and scores. None collects 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 white text on platform colors and on the red and blue team rows.
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: the VEX and platform logos, each of which has a text alternative. All other text, including timers, scores, standings, and certificates, 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. Standings tables, which need two dimensions, scroll inside their own labeled, keyboard-focusable area.
1.4.11 Non-text Contrast (Level AA 2.1 and 2.2)	Supports	Buttons, form fields, 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.

Criteria	Conformance Level	Remarks and Explanations
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 the page, the platform cards on the home page, breadcrumb links, and My Events.
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, button, and form field shows a focus outline 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 that has them. The class display and the tablet scorecards, which are made for projecting and for scoring at the field, leave them out.
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)	Supports	When an entry is not valid, a text message that names the field or sits directly below it says what is wrong and how to correct it. The field is outlined in red and marked as invalid for assistive technology. For example, a repeated team name gets ‘Team 2 and Team 3 have a name another team is using. Give each team a different name.’, and a mistyped time gets ‘Enter seconds or m:ss, for example 92.5 or 1:32.5.’ below the time field.

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	Status messages, such as a recorded score, the timer's state, a copied link, and a change of standings page, are announced to assistive technology without moving focus.

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