



Macmillan Learning iClicker Reef Accessibility Conformance Report

VPAT® Version 2.0 – November 2017

Name of Product/Version: iClicker Reef

Product Description: iClicker Reef Student Web Application

Date: 11/30/17

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Evaluation Methods Used

The accessibility assessment was conducted according to the following steps:

- I. A sighted accessibility expert conducted an overall technical analysis in order to identify issues of technical compliance that would affect mobility impaired, deaf/hearing impaired and low vision users. The evaluator inspected each screen using Mozilla Firefox 57 with the Wave and aXe toolbars. Analysis was also conducted using Internet Explorer 11 and the WAT Accessibility toolbar. Code analysis was conducted using browser Developer Tools (IE and Firefox).
- II. Keyboard accessibility analysis (for mobility and physically impaired users) was conducted by attempting to thoroughly navigate the web application through the keyboard, without using a mouse.
- III. For deaf and hard of hearing users, any audio content was assessed for proper captioning.
- IV. The accessibility for low vision users was evaluated three ways: (1) using the screen magnification, palette, and contrast controls provided by the operating systems; (2) using the font resizing capability offered by the browser, and (3) using Color Contrast Analyzer version 2.2.
- V. The screen reader testing was conducted by an evaluator who is legally blind. The goal was to identify accessibility barriers that are likely to be experienced by users who are blind. The evaluator worked through the web application using the JAWS for Windows (v. 18) screen reader with Internet Explorer 11, and NVDA (v. 2017.3)

screen reader with Mozilla Firefox 57, as well as the VoiceOver screen reader with Safari using MacOS 10.13 (High Sierra).

- VI. Any usability issues for users with disabilities encountered during the accessibility assessments in Steps I-V were noted for subsequent mention.

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0, at http://www.w3.org/TR/2008/REC-WCAG20-20081211/	Level A (Yes) Level AA (Yes) Level AAA (No)
Section 508 as published in 2017, at http://www.Section508.gov	(No)
EN 301 549 Accessibility requirements suitable for public procurement of ICT products and services in Europe, at http://mandate376.standards.eu/standard	(No)

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.
- **Supports with Exceptions:** 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 be used only in WCAG 2.0 Level AAA.

WCAG 2.0 Report

Note: When reporting on conformance with the WCAG 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Supports with Exceptions	All images have alt attributes. It should be noted that currently, no mechanism is provided to label screen shots taken by the instructor with descriptive text.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Supports	No audio-only and video-only content
1.2.2 Captions (Prerecorded) (Level A)	Supports	No audio or video content
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Supports	No audio or video content
1.3.1 Info and Relationships (Level A)	Supports	Page heading structure is hierarchical. All elements are correctly coded for their relationships.
1.3.2 Meaningful Sequence (Level A)	Supports	Content is provided in a meaningful sequence.
1.3.3 Sensory Characteristics (Level A)	Supports	Sensory characteristics are not used as the sole means of conveying information.
1.4.1 Use of Color (Level A)	Supports	Color is not used as the only means of conveying information.
1.4.2 Audio Control (Level A)	Supports	No audio content.
2.1.1 Keyboard (Level A)	Supports with Exceptions	Most user interface elements can be operated using keyboard with the following exception: Target activity is not keyboard

Criteria	Conformance Level	Remarks and Explanations
		accessible.
2.1.2 No Keyboard Trap (Level A)	Supports	Keyboard focus is not trapped in the user interface.
2.2.1 Timing Adjustable (Level A)	Supports with Exceptions	Attendance confirmation pop-up disappears automatically before some users may be able to review it.
2.2.2 Pause, Stop, Hide (Level A)	Supports	No automatically updated information is present.
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	No flashing content is present.
2.4.1 Bypass Blocks (Level A)	Supports	Heading structure can be used to skip blocks of content.
2.4.2 Page Titled (Level A)	Supports	Page titles are descriptive.
2.4.3 Focus Order (Level A)	Supports	Focus moves in a predictable way.
2.4.4 Link Purpose (In Context) (Level A)	Supports	Links are labeled with sufficiently descriptive text.
3.1.1 Language of Page (Level A)	Supports	All pages have their language defined.
3.2.1 On Focus (Level A)	Supports	Elements do not initiate a change of context when focused.
3.2.2 On Input (Level A)	Supports	Controls do not initiate unexpected changes of context when interacted with.
3.3.1 Error Identification (Level A)	Supports with Exceptions	With a minor exception of “Expiration Date” error processing, errors are identified in text and are associated with the fields.

Criteria	Conformance Level	Remarks and Explanations
3.3.2 Labels or Instructions (Level A)	Supports with Exceptions	Most elements are correctly labeled, with the exception of calendar table for attendance.
4.1.1 Parsing (Level A)	Supports	Elements have complete start and end tags, elements are nested according to their specifications, elements do not contain duplicate attributes, and any IDs are unique.
4.1.2 Name, Role, Value (Level A)	Supports with Exceptions	Most elements correctly expose their name, role and value. Custom radio buttons used on "Purchase Subscription" page are not correctly implemented.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Supports	No live audio/video content.
1.2.5 Audio Description (Prerecorded) (Level AA)	Supports	No audio/video content.
1.4.3 Contrast (Minimum) (Level AA)	Supports	All text elements have sufficient contrast (at least 4.5:1).
1.4.4 Resize text (Level AA)	Supports	Pages scale correctly at 200% zoom.
1.4.5 Images of Text (Level AA)	Supports	Images of text are not used.
2.4.5 Multiple Ways (Level AA)	Supports	Many pages are steps in the process, and need to be accessed sequentially.
2.4.6 Headings and Labels (Level AA)	Supports	Elements are correctly labeled.

Criteria	Conformance Level	Remarks and Explanations
		Headings are descriptive and are in a hierarchical order.
2.4.7 Focus Visible (Level AA)	Supports	All interactive elements receive visible focus.
3.1.2 Language of Parts (Level AA)	Supports	Single language is used on pages.
3.2.3 Consistent Navigation (Level AA)	Supports	Pages have consistent navigation mechanisms.
3.2.4 Consistent Identification (Level AA)	Supports	Elements are consistently identified.
3.3.3 Error Suggestion (Level AA)	Supports	Errors are associated with form fields, and provide suggestions for correction.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	Data entered by the user is checked for input errors and the user is provided an opportunity to correct them.

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