Macmillan iClicker Student Web Accessibility Conformance Report

International Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: Macmillan iClicker Student Web

Report Date: 12/16/2021

Product Description: iClicker student web application

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Notes: Macmillan Learning is committed to the goal of providing equal access to all products regardless of an individual's age, ability, or situation and embraces the opportunity to develop services and information technologies that are accessible and usable by all individuals. Based on the feedback that we received in this VPAT, we are actively updating our platform and will make revised VPATs available as work is completed. This VPAT was created based on an audit of the student facing portion of our platform.

Evaluation Methods Used:

The evaluation was conducted in the following environments and browser/screen reader combinations:

Windows 10: Chrome/JAWS

Mac OSX: Safari/Voiceover

The accessibility assessment was conducted according to the following steps:

- I. An 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 Google Chrome with the Wave and aXe toolbars. Code analysis was conducted using browser Developer Tools.
- II. Keyboard accessibility analysis (for mobility and physically impaired users) was conducted by attempting to thoroughly navigate the website through the keyboard, without using a mouse, using Google Chrome and Safari browsers.
- 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. An evaluator who is legally blind conducted the screen reader testing. The goal was to identify accessibility barriers that are likely to be experienced by users who are blind. The evaluator worked through the website using the JAWS for Windows (v. 2021) screen reader with Google Chrome, and VoiceOver screen reader with Safari browser. Any pages found to have screen reader issues were re-examined in interactive sessions with a sighted evaluator.

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	Level A (Yes)
	Level AA (Yes)
	Level AAA (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes)
	Level AA (Yes)
	Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)
EN 301 549 Accessibility requirements suitable for public procurement of ICT products and services in Europe, - V3.1.1 (2019-11)	(Yes)

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 be used only in WCAG 2.0 Level AAA.

WCAG 2.x Report

Tables 1 and 2 also document conformance with:

- EN 301 549: Chapter 9 Web, Sections 10.1-10.4 of Chapter 10 Non-Web documents, and Sections 11.1-11.4 and 11.8.2 of Chapter 11 Non-Web Software (open and closed functionality), and Sections 12.1.2 and 12.2.4 of Chapter 12 Documentation
- Revised Section 508: Chapter 5 501.1 Scope, 504.2 Content Creation or Editing, and Chapter 6 602.3 Electronic Support Documentation.

Note: When reporting on conformance with the WCAG 2.x 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

Notes:

Criteria	Conformance Level	Remarks and Explanations
	Web:	Web:
	Partially Supports	Some decorative images have unnecessary alt text;
		some images lack alt attributes, or have non-descriptive
		alt attributes.
1.1.1 Non-text Content (Level A)		
Also applies to:		Most significant issue is the inability for instructors to
EN 301 549 Criteria		label question images during live polling and quizzing.
• 9.1.1.1 (Web) Revised Section 508		While it can be accommodated during live sessions via
		instructor narration, this renders study tools associated with these questions completely inaccessible to users
• 501 (Web)(Software)		relying on text equivalents.
		relying on text equivalents.
		For asynchronous assignment content, question images
		can be labeled.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Web:	Web:
Also applies to:	Not applicable	No audio-only or video-only content.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
1.2.2 Captions (Prerecorded) (Level A)	Web:	Web:
Also applies to:	Not applicable	No video content.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Web:	Web:
Also applies to:	Not applicable	No video content.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508		
• 501 (Web)(Software)		
1.3.1 Info and Relationships (Level A)	Web:	Web:
Also applies to:	Partially Supports	Some text appearing as headings is not marked up as
EN 301 549 Criteria		such. Past attendance calendar is not correctly marked
• 9.1.1.1 (Web)		up as a data table.
Revised Section 508		
• 501 (Web)(Software)		
1.3.2 Meaningful Sequence (Level A)	Web:	Web:
Also applies to:	Supports	Content is presented in a meaningful sequence.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
1.3.3 Sensory Characteristics (Level A)	Web:	Web:
Also applies to:	Partially Supports	Past attendance calendar uses colored shapes to
EN 301 549 Criteria		indicate various items with no text equivalents.
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
1.4.1 Use of Color (Level A)	Web:	Web:
Also applies to:	Supports	Content does not rely on color alone.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
1.4.2 Audio Control (Level A)	Web:	Web:
Also applies to:	Supports	No audio automatically plays.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
501 (Web)(Software)		
2.1.1 Keyboard (Level A)	Web:	Web:

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Criteria	Conformance Level	Remarks and Explanations
Also applies to:	Partially Supports	Most functions are accessible using keyboard. Some
EN 301 549 Criteria		non-interactive elements receive unnecessary tab focus.
• 9.1.1.1 (Web)		
Revised Section 508		Most significant issue is the inaccessibility of Target
• 501 (Web)(Software)		Activity with keyboard as it is a visual based question.
2.1.2 No Keyboard Trap (Level A)	Web:	Web:
Also applies to:	Supports	No keyboard traps are present in the interface.
Also applies to:		
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Web:	Web:
Also applies to:	Supports	No single character key shortcuts are used.
EN 301 549 Criteria		
• 9.2.1.4 (Web)		
Revised Section 508 – Does not apply		
2.2.1 Timing Adjustable (Level A)	Web:	Web:
Also applies to:	Supports	Time limits are set by instructor and are customizable.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
2.2.2 Pause, Stop, Hide (Level A)	Web:	Web:
Also applies to:	Supports	No moving or auto-updating information is present.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
2.3.1 Three Flashes or Below Threshold (Level A)	Web:	Web:
Also applies to:	Supports	No flashing content.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508		
• 501 (Web)(Software)		
2.4.1 Bypass Blocks (Level A)	Web:	Web:
Also applies to:	Partially Supports	No skip links provided. Heading structure can be used to
EN 301 549 Criteria		bypass blocks of repeated content on most pages.
• 9.2.4.1 (Web)		
Revised Section 508		
• 501 (Web)(Software) – Does not apply to non-web software		
2.4.2 Page Titled (Level A)	Web:	Web:
Also applies to:	Supports	Page titles describe the topic or purpose of pages.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
2.4.3 Focus Order (Level A)	Web:	Web:
Also applies to:	Supports	Awaiting fix verification of prior issues listed here: Some
EN 301 549 Criteria		modal dialogs do not correctly receive or trap focus. In
• 9.1.1.1 (Web)		some instances, focus is not placed predictably,
Revised Section 508		especially when selecting multiple choice answer
• 501 (Web)(Software)		options in polls, quizzes and assignments.
2.4.4 Link Purpose (In Context) (Level A)	Web:	Web:
Also applies to:	Supports	Links are descriptively labeled.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
2.5.1 Pointer Gestures (Level A 2.1 only)	Web:	Web:
Also applies to:	Supports	All functionality can be accessed using single-pointer
EN 301 549 Criteria		gestures.
• 9.2.5.1 (Web)		
Revised Section 508 – Does not apply		

Criteria	Conformance Level	Remarks and Explanations
2.5.2 Pointer Cancellation (Level A 2.1 only)	Web:	Web:
Also applies to:	Supports	Actions are performed on "up" event and can be
EN 301 549 Criteria		cancelled by moving the pointer off the element.
• 9.2.5.2 (Web)		
Revised Section 508 – Does not apply		
2.5.3 Label in Name (Level A 2.1 only)	Web:	Web:
Also applies to:	Supports	Accessible labels include visible text.
EN 301 549 Criteria		
• 9.2.5.3 (Web)		
Revised Section 508 – Does not apply		
2.5.4 Motion Actuation (Level A 2.1 only)	Web:	Web:
Also applies to:	Not Applicable	No motion activated functionality.
EN 301 549 Criteria		
• 9.2.5.4 (Web)		
Revised Section 508 – Does not apply		
3.1.1 Language of Page (Level A)	Web:	Web:
Also applies to:	Supports	Language of page is declared.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
501 (Web)(Software)		
3.2.1 On Focus (Level A)	Web:	Web:
Also applies to:	Supports	No change of context occurs on focus.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
3.2.2 On Input (Level A)	Web:	Web:
Also applies to:	Supports	No changes of context are triggered by input.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		

Criteria	Conformance Level	Remarks and Explanations
3.3.1 Error Identification (Level A)	Web:	Web:
Also applies to:	Supports	Errors are correctly identified in text and are associated
EN 301 549 Criteria		with the fields.
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
3.3.2 Labels or Instructions (Level A)	Web:	Web:
Also applies to:	Partially Supports	While most elements are correctly labeled, some
EN 301 549 Criteria		elements are not labeled or labelled in a manner that is
• 9.1.1.1 (Web)		not descriptive.
Revised Section 508		
• 501 (Web)(Software)		
4.1.1 Parsing (Level A)	Web:	Web:
Also applies to:	Supports	A small number of decorative elements have duplicate
EN 301 549 Criteria		id values. This does not affect accessibility of the
• 9.1.1.1 (Web)		platform.
Revised Section 508		
• 501 (Web)(Software)		
	Web:	Web:
4.1.2 Name, Role, Value (Level A)	Partially Supports	A number of custom controls, including dialogs, tooltips,
Also applies to:		tab panels, expandable/collapsible, toggle buttons, etc.,
EN 301 549 Criteria		do not implement correct ARIA patterns, making them
• 9.1.1.1 (Web)		difficult to use.
Revised Section 508		
• 501 (Web)(Software)		A number of non-semantic elements incorrectly apply ARIA labeling attributes.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Web:	Web:
Also applies to:	Not Applicable	No live content is present.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
1.2.5 Audio Description (Prerecorded) (Level AA)	Web:	Web:
Also applies to:	Not Applicable	No video content.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
1.3.4 Orientation (Level AA 2.1 only)	Web:	Web:
Also applies to:	Supports	Content/functionality is not restricted by the device
EN 301 549 Criteria		orientation.
• 9.1.3.4 (Web)		
Revised Section 508 – Does not apply		
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Web:	Web:
Also applies to:	Does not Support	Form fields do not identify input purpose using
EN 301 549 Criteria		"autocomplete" attributes.
• 9.1.3.5 (Web)		
Revised Section 508 – Does not apply		
1.4.3 Contrast (Minimum) (Level AA)	Web:	Web:
Also applies to:	Partially Supports	With one exception in Quizzing, text content has
EN 301 549 Criteria		sufficient color contrast (4.5:1 or greater).
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
1.4.4 Resize text (Level AA)	Web:	Web:
Also applies to:	Supports	Pages scale up to 200% without loss of content or
EN 301 549 Criteria		functionality.
• 9.1.1.1 (Web)		
Revised Section 508		

Criteria	Conformance Level	Remarks and Explanations
• 501 (Web)(Software)		
1.4.5 Images of Text (Level AA)	Web:	Web:
Also applies to:	Supports	No images of text are used.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
1.4.10 Reflow (Level AA 2.1 only)	Web:	Web:
Also applies to:	Supports	Pages correctly reflow to fit a 320px wide viewport.
EN 301 549 Criteria		
• 9.1.4.10 (Web)		
Revised Section 508 – Does not apply		
1.4.11 Non-text Contrast (Level AA 2.1 only)	Web:	Web:
Also applies to:	Partially Supports	A number of focus indicators do not have sufficient
EN 301 549 Criteria		color contrast.
• 9.1.4.11 (Web)		
Revised Section 508 – Does not apply		
1.4.12 Text Spacing (Level AA 2.1 only)	Web:	Web:
Also applies to:	Supports	Text spacing can be adjusted without loss of content or
EN 301 549 Criteria		functionality.
• 9.1.4.12 (Web)		
Revised Section 508 – Does not apply		
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Web:	Web:
Also applies to:	Partially Supports	Tooltips are not dismissable.
EN 301 549 Criteria		
• 9.1.4.13 (Web)		
Revised Section 508 – Does not apply		
2.4.5 Multiple Ways (Level AA)	Web:	Web:
Also applies to:	Supports	Most pages are steps in the process and have to be
EN 301 549 Criteria		accesses sequentially.
• 9.2.4.5 (Web)		
Revised Section 508		
• 501 (Web)(Software) – Does not apply to non-web software		

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Criteria	Conformance Level	Remarks and Explanations
2.4.6 Headings and Labels (Level AA)	Web:	Web:
Also applies to:	Partially Supports	Some headings are not in a hierarchical order. Some
EN 301 549 Criteria		text appearing as headings is not marked up as such.
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
2.4.7 Focus Visible (Level AA)	Web:	Web:
Also applies to:	Partially Supports	A number of elements do not display visible tab focus or
EN 301 549 Criteria		have very difficult to see focus indicators.
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
3.1.2 Language of Parts (Level AA)	Web:	Web:
Also applies to:	Not Applicable	Single language is used.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
3.2.3 Consistent Navigation (Level AA)	Web:	Web:
Also applies to:	Supports	Consistent navigation mechanisms are employed.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
3.2.4 Consistent Identification (Level AA)	Web:	Web:
Also applies to:	Partially Supports	"Back" buttons on Study Tools pages are styled
EN 301 549 Criteria		differently from all other "Back" buttons in the web
• 9.1.1.1 (Web)		application.
Revised Section 508		
• 501 (Web)(Software)		
3.3.3 Error Suggestion (Level AA)	Web:	Web:
Also applies to:	Supports	Errors are correctly identified in text and are associated
EN 301 549 Criteria		with the fields.

Criteria	Conformance Level	Remarks and Explanations
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Web:	Web:
Also applies to:	Supports	Entry errors are prevented.
EN 301 549 Criteria		
• 9.1.1.1 (Web)		
Revised Section 508		
• 501 (Web)(Software)		
4.1.3 Status Messages (Level AA 2.1 only)	Web:	Web:
Also applies to:	Partially Supports	Some status messages are not announced, and some
EN 301 549 Criteria		are not correctly implemented.
• 9.4.1.3 (Web)		
Revised Section 508 – Does not apply		

Revised Section 508 Report

Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
		The product is partially operable with keyboard navigation and screen reader use.
302.1 Without Vision	Partially Supports	Most significant issues are the inaccessibility of Target question type, and the inability to use polling and quizzing questions for study tools due to the lack of text equivalents.
302.2 With Limited Vision	Partially Supports	The product is partially operable with limited vision. A small number of elements do not meet color contrast minimums.
302.3 Without Perception of Color	Supports	This product is operable without perception of color.
302.4 Without Hearing	Supports	The product does not require use of hearing to operate. It should be noted that since iClicker's primary intended use is synchronous, instructors will need to accommodate users without hearing outside of the
302.5 With Limited Hearing	Supports	The product does not require use of hearing to operate.

Criteria	Conformance Level	Remarks and Explanations
		It should be noted that since iClicker's primary intended use is synchronous, instructors will need to accommodate users without hearing outside of the application scope.
302.6 Without Speech	Supports	Use of speech is not required to operate the product.
302.7 With Limited Manipulation	Partially Supports	The product is partially operable with keyboard navigation.
302.8 With Limited Reach and Strength	Partially Supports	The product is partially operable with keyboard navigation.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	The product uses consistent navigation. The product supports the use of text spacing adjustment.

Chapter 6: Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	1	Accessibility information page is available for the product.
602.3 Electronic Support Documentation	See WCAG 2.x section	See information in WCAG 2.x section
602.4 Alternate Formats for Non-Electronic Support Documentation	Not Applicable	No non-electronic support documentation is provided.

Criteria	Conformance Level	Remarks and Explanations
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	Information on accessibility and compatibility features is available via the accessibility information page or email.
603.3 Accommodation of Communication Needs	Supports	Accessible online chat or email can be used for contacting support.

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Chapter 4: Functional Performance Statements (FPS)

Criteria	Conformance Level	Remarks and Explanations
4.2.1 Usage without vision	Partially Supports	The product is partially operable with keyboard navigation and screen reader use. Most significant issues are the inaccessibility of Target question type, and the inability to use polling and quizzing
		questions for study tools due to the lack of text equivalents.
4.2.2 Usage with limited vision	Partially Supports	The product is partially operable with limited vision. A small number of elements do not meet color contrast minimums.
4.2.3 Usage without perception of colour	Supports	This product is operable without perception of color.
4.2.4 Usage without hearing	Supports	The product does not require use of hearing to operate.
		It should be noted that since iClicker's primary intended use is synchronous, instructors will need to accommodate users without hearing outside of the application scope.
4.2.5 Usage with limited hearing	Supports	The product does not require use of hearing to operate.

Criteria	Conformance Level	Remarks and Explanations
		It should be noted that since iClicker's primary intended use is synchronous, instructors will need to accommodate users without hearing outside of the application scope.
4.2.6 Usage with no or limited vocal capability	Supports	Use of speech is not required to operate the product.
4.2.7 Usage with limited manipulation or strength	Partially Supports	The product is partially operable with keyboard navigation.
4.2.8 Usage with limited reach	Partially Supports	The product is partially operable with keyboard navigation.
4.2.9 Minimize photosensitive seizure triggers	Supports	The product does not include flashing content or other seizure triggers.
4.2.10 Usage with limited cognition, language or learning	Supports	The product uses consistent navigation. The product supports the use of text spacing adjustment.
4.2.11 Privacy	Supports	Privacy notice is available.

Chapter 9: Web (see WCAG 2.x section)

Chapter 12: Documentation and Support Services

Notes:

Criteria	Conformance Level	Remarks and Explanations
12.1 Product documentation	Heading cell – no response required	Heading cell – no response required
12.1.1 Accessibility and compatibility features	Supports	Accessibility information page is available for the product.
12.1.2 Accessible documentation	See WCAG 2.x section	See information in WCAG 2.x section
12.2 Support Services	Heading cell – no response required	Heading cell – no response required
12.2.2 Information on accessibility and compatibility features	Supports	Information on accessibility and compatibility features is available via the accessibility information page or email.
12.2.3 Effective communication	Partially Supports	Accessible online chat or email can be used for contacting support.
12.2.4 Accessible documentation	See WCAG 2.x section	See information in WCAG 2.x section

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