

Scholastic Inc. Accessibility Conformance Report, WCAG Edition

(Based on VPAT® Version 2.4)

Name of Product/Version:

BookFlix

Report Date:

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Product Description:

BookFlix offers a truly unique paired fiction and nonfiction reading experience. Animated stories are thematically paired with nonfiction eBooks to engage beginning readers as they cultivate their early literacy skills and build their real world knowledge. For students PreK-Grade 3.

Contact Information:

Notes:

We evaluated "BookFlix" accessibility by considering the following user journeys:

- **Login**
- **Homepage and Global Elements**
- **Category**
- **Book**
- **Start**
- **Puzzlers**
- **Explore**
- **Creators**
- **Game #1**
- **Game #2**
- **Game #3**
- **Story**

The following recurring components were also identified across the user journeys:

- **Header**
- **Footer**

Evaluation Methods Used:

- **TBT** (Tool-Based Testing): [UsableNet AQA](#) automatic evaluations
- **ATP** (Assistive Technology Previews): [UsableNet AQA](#) tools helping manual tests grayscale, text spacing, accessibility labels
- **MAT** (Manual Accessibility Testing): Keyboard testing with visual focus; Videos; Screen Reader Testing; Inspection

Applicable Standards/Guidelines

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

Applicable Standards/Guidelines table

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)
Web Content Accessibility Guidelines 2.1 at https://www.w3.org/TR/WCAG21/	Level A (Yes) Level AA (Yes) Level AAA (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.

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

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

WCAG 2.x Success Criteria, Level A

CRITERIA	CONFORMANCE LEVEL	REMARKS AND EXPLANATIONS
1.1.1 Non-text Content (Level A)	Partially Supports	<p>Test methods: TBT; ATP; MAT</p> <p>Login user journey does not completely support this criterion:</p> <ul style="list-style-type: none">image missing alt attribute <p>The following user journeys do not fully support this criterion: Homepage and Global Elements, Game #1, Game #3</p> <ul style="list-style-type: none">alternative text is not meaningful <p>Book user journey does not completely support this criterion:</p> <ul style="list-style-type: none">Alt attribute is empty Inside the iframe, the first image (the one with the name of the book) has an empty ALT attribute. <p>Since that image is used to convey some information to the final user, its accessible name should be exactly the title of the book (alt="\$BOOK" - e.g. in this page alt="Inside an Ant Colony").</p>
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Supports	Test methods: TBT; MAT
1.2.2 Captions (Prerecorded) (Level A)	Supports	Test methods: TBT; MAT
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Supports	Test methods: TBT; MAT

CRITERIA	CONFORMANCE LEVEL	REMARKS AND EXPLANATIONS
1.3.1 Info and Relationships (Level A)	Partially Supports	<p>Test methods: TBT; ATP; MAT</p> <p>Login user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> • Missing headings in the page <p>Homepage and Global Elements user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> • General consideration about semantics The SEMANTIC is important in accessibility because allow a wide range of users to understand and predict the structure of the page, the relationship between elements and how they work. <p>Where possible use the native HTML5 tags in combo with the aria attributes and roles.</p> <p>Here some common examples:</p> <ul style="list-style-type: none"> - <header>, <nav>, <main>, <aside>, <footer>, etc.: use HTML5 semantic tags; remember to use the aria-labelledby attribute to set a meaningful accessible name to non-unique components. - <h1>, <h2>, <h3>, <h4>, <h5>, <h6>: use headings for the topics of the page or sections. - <a> and <button>: remember that link elements are used to jump the user from a page to another one, buttons are used to activate a control. - , , : use unordered/ordered lists and list items to inform the user about the structure of list components providing boundaries for each block. - aria-label, aria-labelledby and aria-describedby: use those attributes to provide meaningful accessible name and description when the text displayed is not sufficient. - aria-haspopup, aria-expanded, aria-controls, etc.: use those attributes to inform the user and allowing him/her to predict the behaviour of a functionality. • Duplicated ID attribute value • incorrect child element in list <p>Category user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> • Duplicated ID attribute value <p>Book user journey does not completely support this criterion:</p>

CRITERIA	CONFORMANCE LEVEL	REMARKS AND EXPLANATIONS
		<ul style="list-style-type: none"> • Book is completely unreadable The book inside the iframe is completely not readable. Allow assistive technologies users to read one slide per time, and change the current slide using the control elements (using all the AT, screen reader, keyboard, ...). <p>Do not use a single HTML tag (span) for every single word, but use containers (e.g. <p>) to wrap entire sections of the textual elements.</p> <ul style="list-style-type: none"> • h2 element has been used for visual effect • heading or strong tag has not been used to style an element <p>The following user journeys do not fully support this criterion: Explore, Creators</p> <ul style="list-style-type: none"> • order of headings is not correct <p>Story user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> • h2 element has been used for visual effect • heading or strong tag has not been used to style an element
1.3.2 Meaningful Sequence (Level A)	Supports	Test methods: TBT; MAT
1.3.3 Sensory Characteristics (Level A)	Supports	Test methods: TBT; MAT
1.4.1 Use of Color (Level A)	Supports	Test methods: TBT; MAT

CRITERIA	CONFORMANCE LEVEL	REMARKS AND EXPLANATIONS
1.4.2 Audio Control (Level A)	Partially Supports	<p>Test methods: MAT</p> <p>Homepage and Global Elements user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> • Audio elements are not completely accessible Inside the website there are a lot of audio elements that read some specific parts of the page. <p>There must be a way to allow users to stop/hide these audios, or use a sort of "control" element to change the volume.</p> <p>If you want to maintain the audios, there must be a way to switch them off completely (e.g. for screen reader users that already have to listen an audio).</p> <p>For every audio that read something that is not visible in the page (e.g. in the games, hints, error or success messages) there must be a way to allow users read them visually in the page.</p>
2.1.1 Keyboard (Level A)	Partially Supports	<p>Test methods: TBT; MAT</p> <p>Book user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> • functionality is not operable through a keyboard interface
2.1.2 No Keyboard Trap (Level A)	Supports	Test methods: TBT; MAT
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Supports	Test methods: TBT; MAT
2.2.1 Timing Adjustable (Level A)	Not Applicable	<p>Test methods: TBT</p> <p>The analyzed pages don't contain time limits set by the content.</p>
2.2.2 Pause, Stop, Hide (Level A)	Not Applicable	<p>Test methods: TBT</p> <p>The analyzed pages don't contain moving, blinking, scrolling or auto-updating information.</p>
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	Test methods: TBT; MAT
2.4.1 Bypass Blocks (Level A)	Supports	Test methods: TBT; MAT

CRITERIA	CONFORMANCE LEVEL	REMARKS AND EXPLANATIONS
2.4.2 Page Titled (Level A)	Does Not Support	<p>Test methods: TBT; MAT</p> <p>The following user journeys do not fully support this criterion: Login, Category, Book, Start, Puzzlers, Explore, Creators, Game #1, Game #2, Game #3, Story</p> <ul style="list-style-type: none"> title is not meaningful
2.4.3 Focus Order (Level A)	Partially Supports	<p>Test methods: TBT; MAT</p> <p>The following user journeys do not fully support this criterion: Homepage and Global Elements, Book, Start, Explore, Creators, Game #1, Game #2</p> <ul style="list-style-type: none"> focusable components do not receive focus in an order that preserves meaning and operability
2.4.4 Link Purpose (In Context) (Level A)	Partially Supports	<p>Test methods: TBT; ATP</p> <p>The following user journeys do not fully support this criterion: Homepage and Global Elements, Category, Start, Game #1, Game #2, Game #3</p> <ul style="list-style-type: none"> link is not meaningful within the context <p>Puzzlers user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> empty link with image with following repeated text link
2.5.1 Pointer Gestures (Level A 2.1 only)	Supports	Test methods: TBT; MAT
2.5.2 Pointer Cancellation (Level A 2.1 only)	Supports	Test methods: TBT; MAT
2.5.3 Label in Name (Level A 2.1 only)	Partially Supports	<p>Test methods: TBT; ATP</p> <p>Game #3 user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> Accessible Name does not contain the visible label of the link
2.5.4 Motion Actuation (Level A 2.1 only)	Supports	Test methods: TBT; MAT
3.1.1 Language of Page (Level A)	Supports	Test methods: TBT; MAT
3.2.1 On Focus (Level A)	Not Applicable	<p>Test methods: TBT</p> <p>The analyzed pages do not contain components receiving focus.</p>

CRITERIA	CONFORMANCE LEVEL	REMARKS AND EXPLANATIONS
3.2.2 On Input (Level A)	Not Applicable	Test methods: TBT The analyzed pages do not contain user interface components causing change of context.
3.3.1 Error Identification (Level A)	Supports	Test methods: TBT; MAT
3.3.2 Labels or Instructions (Level A)	Supports	Test methods: TBT; MAT
4.1.1 Parsing (Level A)	Supports	Test methods: TBT; MAT
4.1.2 Name, Role, Value (Level A)	Partially Supports	Test methods: TBT; MAT Header recurring component does not completely support this criterion: <ul style="list-style-type: none"> control has not been properly managed Homepage and Global Elements user journey does not completely support this criterion: <ul style="list-style-type: none"> control has not been properly managed Puzzlers user journey does not completely support this criterion: <ul style="list-style-type: none"> accessible name of link with image can not be programmatically determined

Table 2: Success Criteria, Level AA

WCAG 2.x Success Criteria, Level AA

CRITERIA	CONFORMANCE LEVEL	REMARKS AND EXPLANATIONS
1.2.4 Captions (Live) (Level AA)	Supports	Test methods: TBT; MAT
1.2.5 Audio Description (Prerecorded) (Level AA)	Partially Supports	Test methods: TBT; MAT Story user journey does not completely support this criterion: <ul style="list-style-type: none">video without an alternative audio description
1.3.4 Orientation (Level AA 2.1 only)	Partially Supports	Test methods: TBT; MAT The following user journeys do not fully support this criterion: Game #1, Game #3 <ul style="list-style-type: none">Screen orientation has been locked
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Partially Supports	Test methods: TBT; MAT Login user journey does not completely support this criterion: <ul style="list-style-type: none">The purpose of input field collecting information about the user is not programmatically determined

CRITERIA	CONFORMANCE LEVEL	REMARKS AND EXPLANATIONS
1.4.3 Contrast (Minimum) (Level AA)	Partially Supports	<p>Test methods: TBT; MAT</p> <p>Login user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> not enough contrast between text and its background <p>Homepage and Global Elements user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> not enough contrast between text and its background not enough contrast between text and its background img or background gradient <p>The following user journeys do not fully support this criterion: Category, Explore, Creators, Game #2</p> <ul style="list-style-type: none"> not enough contrast between text and its background img or background gradient <p>Book user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> Contrast issues inside the iframe There is not enough contrast between the text of the "toolbar" control elements inside the iframe and the background. <p>Add a darker text color and ensure a contrast ratio of at least 4.5:1 between text and background (also on hover event).</p> <ul style="list-style-type: none"> not enough contrast between text and its background img or background gradient
1.4.4 Resize text (Level AA)	Partially Supports	<p>Test methods: TBT</p> <p>Login user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> Page zoom is constrained or not totally adjustable
1.4.5 Images of Text (Level AA)	Partially Supports	<p>Test methods: TBT; MAT</p> <p>The following user journeys do not fully support this criterion: Homepage and Global Elements, Game #3</p> <ul style="list-style-type: none"> image of text is used to convey information rather than text
1.4.10 Reflow (Level AA 2.1 only)	Partially Supports	<p>Test methods: TBT; MAT</p> <p>The following user journeys do not fully support this criterion: Book, Start, Puzzlers, Explore, Creators, Game #1, Game #3, Story</p> <ul style="list-style-type: none"> Reflow is not properly working

CRITERIA	CONFORMANCE LEVEL	REMARKS AND EXPLANATIONS
1.4.11 Non-text Contrast (Level AA 2.1 only)	Partially Supports	<p>Test methods: TBT; MAT</p> <p>The following user journeys do not fully support this criterion: Login, Game #2, Story</p> <ul style="list-style-type: none"> The contrast ratio of User Interface Components is not sufficient <p>The following user journeys do not fully support this criterion: Homepage and Global Elements, Book</p> <ul style="list-style-type: none"> The contrast ratio of User Interface Components is not sufficient The contrast ratio of the visual information necessary to indicate state is not sufficient
1.4.12 Text Spacing (Level AA 2.1 only)	Partially Supports	<p>Test methods: TBT; MAT</p> <p>The following user journeys do not fully support this criterion: Homepage and Global Elements, Book, Start, Puzzlers, Explore, Creators, Game #1, Game #2, Game #3, Story</p> <ul style="list-style-type: none"> Loss of content due to text style properties
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Partially Supports	<p>Test methods: TBT; MAT</p> <p>Book user journey does not completely support this criterion:</p> <ul style="list-style-type: none"> Content on hover or focus is not perceivable
2.4.5 Multiple Ways (Level AA)	Supports	<p>Test methods: TBT; MAT</p>
2.4.6 Headings and Labels (Level AA)	Partially Supports	<p>Test methods: TBT; ATP</p> <p>The following user journeys do not fully support this criterion: Homepage and Global Elements, Explore</p> <ul style="list-style-type: none"> button is not meaningful <p>The following user journeys do not fully support this criterion: Book, Story</p> <ul style="list-style-type: none"> heading is not meaningful
2.4.7 Focus Visible (Level AA)	Partially Supports	<p>Test methods: TBT; MAT</p> <p>The following user journeys do not fully support this criterion: Login, Book</p> <ul style="list-style-type: none"> focus indicator is not visible
3.1.2 Language of Parts (Level AA)	Supports	<p>Test methods: TBT; MAT</p>
3.2.3 Consistent Navigation (Level AA)	Supports	<p>Test methods: TBT; MAT</p>

CRITERIA	CONFORMANCE LEVEL	REMARKS AND EXPLANATIONS
3.2.4 Consistent Identification (Level AA)	Partially Supports	Test methods: TBT; MAT Header recurring component does not completely support this criterion: <ul style="list-style-type: none"> links with same location have different accessible name
3.3.3 Error Suggestion (Level AA)	Supports	Test methods: TBT; MAT
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	Test methods: TBT; MAT
4.1.3 Status Messages (Level AA 2.1 only)	Partially Supports	Test methods: TBT; MAT The following user journeys do not fully support this criterion: Login, Game #1, Game #2, Game #3 <ul style="list-style-type: none"> Status messages are missing or not valid

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