

Lab-Aids, Inc. Accessibility Conformance Report

WCAG Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: *Issues and Science, Third Edition Revised*

Report Date: September 2023

Product Description: *Issues and Science, Third Edition Revised* is a middle school science program for grades 6-8. The program is accessed by students, teachers, and staff via the Lab-Aids Portal, which provides online access to core curricular resources, videos, interactive web content, and an online assessment system. This program contains 17 separate units in earth, life, and physical science.

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Notes: The most up-to-date version of this document, and VPATs for other programs from Lab-Aids, can be found here: lab-aids.com/vpat

Evaluation Methods Used: Evaluation and testing is based on detailed product knowledge. In cases where quantitative measures need to be met, those are tested with generally available online tools, such as the WebAIM Contrast Checker.

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)

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 2.0/2.1 Report

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Does Not Support	Many images, figures, and artwork do not contain alt-text at the moment.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Does Not Support	Many simulations offered in the program contain video-only content, which do not support this criterion.

<u>1.2.2 Captions (Prerecorded)</u> (Level A)	Partially Supports	A few select videos do not contain sufficient captions to successfully meet this criterion.
<u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A)	Does Not Support	The videos offered in this program do not contain sufficient audio descriptions of video content.
<u>1.3.1 Info and Relationships</u> (Level A)	Partially Supports	Not all Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.
<u>1.3.2 Meaningful Sequence</u> (Level A)	Partially Supports	Some instances found in the program do not meet this criterion, such as pull-out quotes contained in student materials not being read in the correct order by a screen reader.
<u>1.3.3 Sensory Characteristics</u> (Level A)	Partially Supports	Some instances found in the program do not support the criterion, such as using shape and size as the only differentiator between different classes of objects in artwork.
<u>1.4.1 Use of Color</u> (Level A)	Partially Supports	Some instances found in the program do not support the criterion, since color is used as the only visual means of conveying specific information.
<u>1.4.2 Audio Control</u> (Level A)	Supports	
<u>2.1.1 Keyboard</u> (Level A)	Supports	
<u>2.1.2 No Keyboard Trap</u> (Level A)	Supports	
<u>2.1.4 Character Key Shortcuts</u> (Level A 2.1 only)	Supports	All of our keyboard shortcuts do not utilize a character key (instead, alt + character key).
<u>2.2.1 Timing Adjustable</u> (Level A)	Supports	Some scenarios exist where a time limit is set by the content. The following scenarios exist: 1. Timed tests/quizzes: These are either essential or a teacher can modify the time limit to their choice. 2. Logout after inactivity: Users are logged out after 120 minutes of inactivity, which is an essential security/privacy feature.
<u>2.2.2 Pause, Stop, Hide</u> (Level A)	Partially Supports	Some animations in interactive simulations cannot be paused.
<u>2.3.1 Three Flashes or Below Threshold</u> (Level A)	Supports	
<u>2.4.1 Bypass Blocks</u> (Level A)	Supports	
<u>2.4.2 Page Titled</u> (Level A)	Partially Supports	Some page titles could be more descriptive, as they are too general/vague for users.
<u>2.4.3 Focus Order</u> (Level A)	Partially Supports	In certain cases, focusable components do not receive focus in an order that preserves the intended meaning, sequence, and operability.
<u>2.4.4 Link Purpose (In Context)</u> (Level A)	Partially Supports	Some links could be improved so that users can better understand their purpose.
<u>2.5.1 Pointer Gestures</u> (Level A 2.1 only)	Supports	Gestures are not utilized in this program.
<u>2.5.2 Pointer Cancellation</u> (Level A 2.1 only)	Supports	No instances of failure can be found.

2.5.3 Label in Name (Level A 2.1 only)	Supports	
2.5.4 Motion Actuation (Level A 2.1 only)	Supports	Device motion or user motion are not utilized in this program.
3.1.1 Language of Page (Level A)	Supports	
3.2.1 On Focus (Level A)	Supports	
3.2.2 On Input (Level A)	Supports	
3.3.1 Error Identification (Level A)	Supports	
3.3.2 Labels or Instructions (Level A)	Supports	
4.1.1 Parsing (Level A)	Supports	
4.1.2 Name, Role, Value (Level A)	Supports	

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Supports	Live audio in synchronized media is not utilized in this program.
1.2.5 Audio Description (Prerecorded) (Level AA)	Does Not Support	Sufficient audio descriptions are not provided for many of the prerecorded video content in synchronized media, including the following: 1. LABsent Videos. These videos demonstrate activities and experiments being performed, as if the student were in a physical classroom. These videos are intended for absent or remote learning students. Many of these videos do not have sufficient audio descriptions describing the entirety of the process, outcomes, or visual observations. 2. Portal Simulations. These simulations, meant for either absent or remote learning students, contain no audio descriptions.
1.3.4 Orientation (Level AA 2.1 only)	Supports	When viewed in an Internet browser, all aspects of the Lab-Aids Portal do not restrict its view and operation to a single display orientation.
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Supports	
1.4.3 Contrast (Minimum) (Level AA)	Supports	The online tool https://webaim.org/resources/contrastchecker/ was used to check text and images of text in the program.
1.4.4 Resize text (Level AA)	Supports	Within the Lab-Aids Portal, text can be resized without assistive technology up to 200 percent without loss of content or functionality.

1.4.5 Images of Text (Level AA)	Partially Supports	There are some cases of embedded text in images that are inaccessible to screen readers, such as maps and labels in complex artwork.
1.4.10 Reflow (Level AA 2.1 only)	Does Not Support	Most content is in formats that do not allow for reflowable content.
1.4.11 Non-text Contrast (Level AA 2.1 only)	Partially Supports	Instances exist where images do not meet this criterion. Use of the online contrast checker https://webaim.org/resources/contrastchecker/ was used to test contrast.
1.4.12 Text Spacing (Level AA 2.1 only)	Does Not Support	The Lab-Aids Portal does not allow for reflowable text and does not utilize markup languages for our content.
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Supports	
2.4.5 Multiple Ways (Level AA)	Supports	
2.4.6 Headings and Labels (Level AA)	Supports	
2.4.7 Focus Visible (Level AA)	Supports	
3.1.2 Language of Parts (Level AA)	Supports	
3.2.3 Consistent Navigation (Level AA)	Supports	
3.2.4 Consistent Identification (Level AA)	Supports	
3.3.3 Error Suggestion (Level AA)	Supports	
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	
4.1.3 Status Messages (Level AA 2.1 only)	Supports	

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