

Discovery Education Accessibility Conformance Report

WCAG Edition

Name of Product/Version: Mystery Science

Report Date: June 28, 2024

Product Description: Online education platform for students and teachers with curriculum aligned lessons and supplemental education content.

Evaluation Methods Used:

- We have used Automated testing tools on Chrome browser to verify some criteria.
- We have performed manual checks to cover Keyboard accessibility throughout the mentioned links.
- We have performed screen reader testing using NVDA tool to test all the links mentioned below on Windows OS.
- We have several internal and external teams performing design and testing of our products and platform for accessibility. Our team of experts is working on an updated version of this product which will further enhance the accessibility experience of our users.

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 2.2	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.

WCAG 2.2 Report

Note: When reporting on conformance with the WCAG 2.2 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.2 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Partially Supports	Non-content and purely decorative images are intentionally left without text-alternates as the spec intends so they do not distract from the main content for non-sighted users, but the meaningful images present in lesson and mini-lesson do not have a proper alt text.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Partially Supports	The videos present in lessons have been provided with transcripts but videos in mini lessons do not have any descriptive alternative text/audio track.
1.2.2 Captions (Prerecorded) (Level A)	Partially Supports	Most of the videos have Closed Captions. However, we have a small backlog of videos where closed captions are not present. Our goal is to include Closed Captions across all videos (or similarly applicable resources).
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Partially Supports	Transcripts and Closed Caption are provided with some of the videos, It does not include synchronized audio for Visuals / text description for few videos. Most of the videos have all relevant information provided in the audio track with the video. While sighted users will still be able to follow along with the videos, this could be a challenge for visually impaired users to follow along with some of the video content.
1.3.1 Info and Relationships (Level A)	Partially Supports	This criterion is supported throughout but for some instances, semantic markup is not being used by which user won't be able to understand information correctly. We are planning to fix these issues in future.
1.3.2 Meaningful Sequence (Level A)	Partially Supports	The sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined. In some regions,

Criteria	Conformance Level	Remarks and Explanations
		this sequence is hampered making it difficult for user to understand the exact flow of content which will be fixed in coming releases.
1.3.3 Sensory Characteristics (Level A)	Supports	Application content is not identified based on sensory characteristics, so this criterion is supported on all the mentioned links.
1.4.1 Use of Color (Level A)	Supports	Application content is not identified based on colors, so this criterion is supported on all the mentioned links.
1.4.2 Audio Control (Level A)	Not Applicable	This criterion is applicable for the Audio content and on this application mostly videos and text are present.
2.1.1 Keyboard (Level A)	Partially Supports	All functionality of the content is operable through keyboard without requiring specific timings for individual keystrokes, except a few places like 'Share with Friends' option in Profile drop down. The keyboard focus does not go there.
2.1.2 No Keyboard Trap (Level A)	Partially Supports	Focus gets trapped in video player when user plays a video. Only after the video is paused or ended, can the focus be removed from video player by keyboard, and we'll be fixing this in future releases.
2.1.4 Character Key Shortcuts (Level A)	Not Applicable	Character key shortcuts are not implemented.
2.2.1 Timing Adjustable (Level A)	Not Applicable	Application does not contain any content which has time limit thus users with disabilities get adequate time to interact with Web content available.
2.2.2 Pause, Stop, Hide (Level A)	Supports	Auto-playable videos present in Lessons and Mini-lessons have the provision to pause and play from the same point, thus supporting this criterion.
2.3.1 Three Flashes or Below Threshold (Level A)	Not Applicable	This success criterion is not applicable as it does not include flashing images or videos that need to be limited for flash threshold compliance.
2.4.1 Bypass Blocks (Level A)	Does not support	Bypass blocks are not provided on the pages to skip the repeated content.

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2.4.2 Page Titled (Level A)	Supports	All the pages have a descriptive title in markup. Users can differentiate between the Titles for different pages. The page titles also serve the topic or the purpose of the page.
2.4.3 Focus Order (Level A)	Partially Supports	Most of the Interactive and focusable elements receive focus in proper order. In a few instances like under the mini lessons or when any of the modals are open, the focus goes behind the modal which we'll be working on to ensure they have a proper and sequential focus order.
2.4.4 Link Purpose (In Context) (Level A)	Partially Supports	Majority of the links are clearly labelled and understandable either through their own context or the context of surrounding content but there are a few links which provide incomplete information, for e.g. Anchor link on Unit page which we plan to fix in future.
2.5.1 Pointer Gestures (Level A)	Not Applicable	Application does not include any data which can use multipoint or path-based gestures
2.5.2 Pointer Cancellation (Level A)	Not Applicable	The website does not contain functionality that can be operated using a single pointer.
2.5.3 Label in Name (Level A)	Partially Supports	The intent of this criterion ensures that the words which visually label a component are also the words associated with the component programmatically. But here some of the components do not have suitable label link to them.
2.5.4 Motion Actuation (Level A)	Not Applicable	This criterion is not applicable in this application since motion is not used to trigger any of the functionality.
3.1.1 Language of Page (Level A)	Does not support	lang attribute is missing in html tag for all the pages.
3.2.1 On Focus (Level A)	Supports	Context changes do not occur in the application when an element receives focus.
3.2.2 On Input (Level A)	Supports	Application does not include any change of setting on any inputs or any clicks.

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3.2.6 Consistent Help (Level A 2.2 only)	Supports	Help is present on Every page of application at consistent place.
3.3.1 Error Identification (Level A)	Not Applicable	The criterion is not relevant to the product as there are no form fields which require prevention of user input error.
3.3.2 Labels or Instructions (Level A)	Not Applicable	This success criterion is not applicable as there are no forms or controls for data entry present on the pages.
3.3.7 Redundant Entry (Level A 2.2 only)	Supports	Users can successfully complete multi-step processes. It reduces cognitive effort where information is asked for more than once during a process. It is applicable for Search inputs in our application.
4.1.2 Name, Role, Value (Level A)	Partially Supports	Names, roles, and values for components can be programmatically determined by software. And a few components have mismatched names, roles and values which we are planning to fix. For e.g.: Play button for lesson is not as expected, Anchor button on Unit page should have proper Aria label.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not applicable	Live video content is not available in the application.
1.2.5 Audio Description (Prerecorded) (Level AA)	Partially Supports	Most of the videos have all relevant information provided in the audio track with the video. Audio description is not provided for videos. While sighted users will still be able to follow along with the videos, this could be a challenge for visually impaired users to follow along with some of the video content.

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1.3.4 Orientation (Level AA)	Supports	Content is not restricted to device orientation unless that orientation is essential to the viewing or understanding of the content.
1.3.5 Identify Input Purpose (Level AA)	Not Applicable	Application does not have Input fields which can collect the information
1.4.3 Contrast (Minimum) (Level AA)	Supports	All the text and image of text present in the mentioned links have appropriate color contrast of 3:1.
1.4.4 Resize text (Level AA)	Partially Supports	Except lessons, all other components of application are accessible up to 200% zoom
1.4.5 Images of Text (Level AA)	Supports	Web site contains the organization's logo in the top left corner of each Web page. The logo contains logotype (text as part, or all, of the logo). The visual presentation of the text is essential to the logo's identity and is included as a gif image which does not allow the text characteristics to be changed. The image has a text alternative.
1.4.10 Reflow (Level AA)	Partially Supports	When the screen is zoomed up to 400%, some content gets overlapped with each other.
1.4.11 Non-text Contrast (Level AA)	Partially Supports	Throughout the mentioned links all the elements comply with 3:1 color contrast but there are few instances where this is not happening, for e.g.: Credit link, Video trouble link, Vote buttons in Mini lesson slide 2, Language button on lesson page and Student link.
1.4.12 Text Spacing (Level AA)	Partially Supports	For majority of the text in the mentioned links this criterion is getting satisfied but on Mini lesson page some

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		texts get overlapped after required Text styling properties are applied.
1.4.13 Content on Hover or Focus (Level AA)	Does Not Support	For the instance present on Mini lesson page Content showing up on hover is not dismissible or hoverable.
2.4.5 Multiple Ways (Level AA)	Supports	This criterion is supported for this application as Homepage contains links to all the pages and a Search functionality to find any assets.
2.4.6 Headings and Labels (Level AA)	Partially Supports	In few instances, headings levels are incorrect or incorrect text is also marked as heading. For e.g. 'About this Unit' heading should have H2 heading level, meta data present on lesson page and student link should not be in heading tag, 'Activity Prep' on lesson page and student link Should have H2 heading level, 'Prep Instruction' heading on lesson page and student link have incorrect heading tab.
2.4.7 Focus Visible (Level AA)	Partially Supports	The majority of the content has clear focus visible but there are few instances where the keyboard focus indicator is not visible, which affects the user's ability to determine which element currently has focus. For e.g. focus on the close button within the pop-up, Lesson and Mini lesson containers present on homepage and unit page.
2.4.11 Focus Not Obscured (Minimum) (Level AA 2.2 only)	Not Applicable	We do not have any user interface component which gets hidden due to any author-created content.
2.5.7 Dragging Movements (Level AA 2.2 only)	Not Applicable	Application do not have any Drag and drop actions

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2.5.8 Target Size (Minimum) (Level AA 2.2 only)	Supports	Touch targets have sufficient size and spacing to be easily activated without accidentally activating an adjacent target.
3.1.2 Language of Parts (Level AA)	Not Applicable	It does not include any passage of different language which can differ from surrounding content
3.2.3 Consistent Navigation (Level AA)	Supports	Common header sections that are repeated on multiple Web pages within a set of Web pages occur in the same relative order.
3.2.4 Consistent Identification (Level AA)	Supports	Components that have the same functionality within a set of Web pages are identified consistently.
3.3.3 Error Suggestion (Level AA)	Not Applicable	There are no such instances in the application where user can input incorrect data and needs any suggestions.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Not Applicable	There are no such instances in the application which involves legal or financial data.
3.3.8 Accessible Authentication (Minimum) (Level AA 2.2 only)	Supports	Apart from cognitive methods, there is support for password entry by password managers to reduce memory need and assist the user in completing authentication process.
4.1.3 Status Messages (Level AA)	Partially Supports	Screen reader can determine the properties and present the content to the user without the need to receive focus. However, for lesson narration toggle present on lesson page and student link, the criteria do not get satisfied.