

LINCS Moodle: Integrating Technology in the Adult Education Classroom Accessibility Assessment

Date of Review: 03/07/24

Date of Revalidation: 06/04/24, 06/21/24

Reviewers:

- Harathi Guddeti
- Anik Hossain

Attendees:

Testing tools and technologies:

- Colour Contrast Analyser
- JAWS 2022
- WAF
- Axe
- ANDI
- Windows 10
- Google Chrome

Accessibility Assessment Notes:

1. The issues highlighted are representative samples of the assessment. While applying the fix, make sure to apply the fixes to all the incidents throughout the site.

Scope:

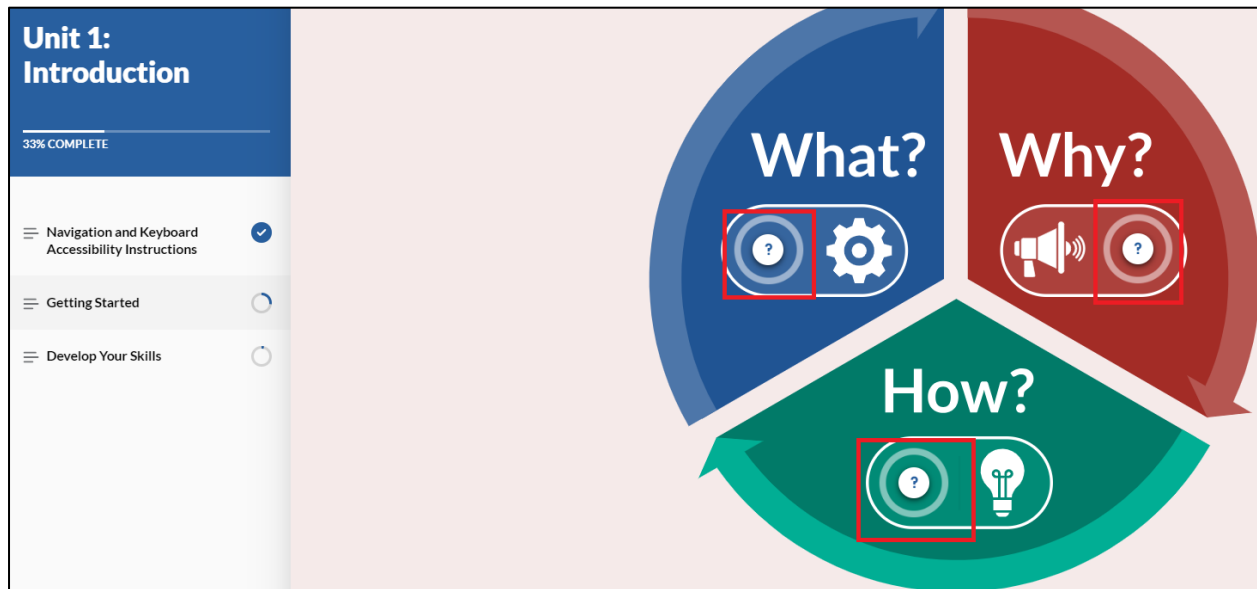
- Complete course
 - *ITAP has a separate assessment team who will look after the documents testing, please reach Denise.McGland@ed.gov for further assistance.*

Note:

- Is it an Internal and External facing – Both
- Approximate no. of users – Many
- FSA application – No

Issues:

1. Button programmatic label



Issue Description: All three buttons programmatic label is same and not identified uniquely.

Screen(s): Unit 1: Introduction -> Getting Started

Source Code:

```
<button aria-expanded="false" aria-label="Marker, Ask yourself:, Question mark, Not viewed" aria-controls="bubble-clnoul5gy00763576xpyw524w" class="labeled-graphic-marker labeled-graphic-marker--visible" type="button" style="top: 45.5538%; left: 33.1029%; --color-lg-accent: #ffffff; --color-lg-font: #285f9f; transform: translate3d(0px, 0px, 0px);"><span class="labeled-graphic-marker__pin"><i class="icon icon-Master-04"></i></span></button>
```

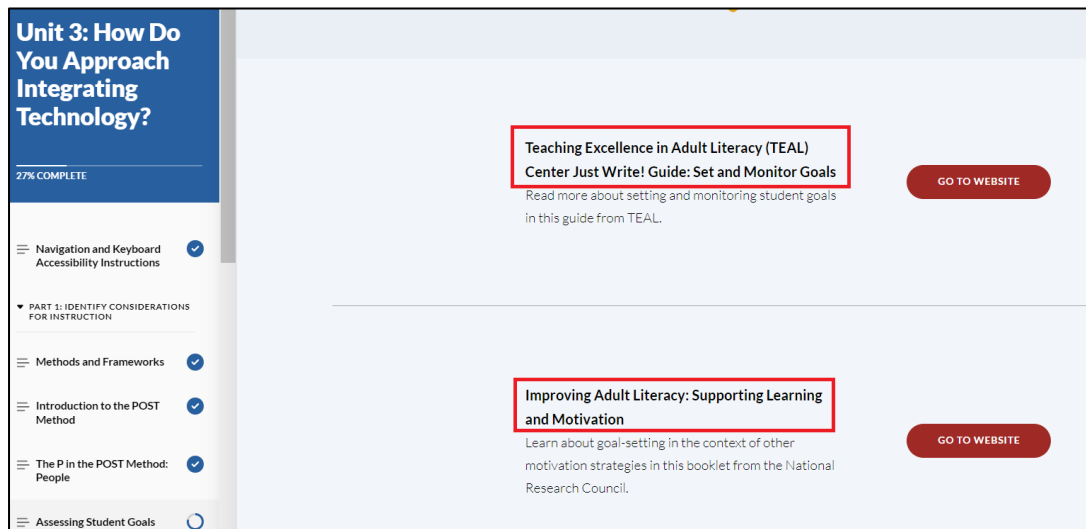
Recommendation: Update the buttons aria-label to identify uniquely.

Success Criteria: 4.1.2 Name, Role, Value

Impact: **Moderate**

[Revalidation 06/04/24] – Resolved

2. Bold/Style for headings



Issue Description: Headings that introduce content sections are not marked as a heading.

Screen(s): Globally

- Unit 1: Introduction
- Unit 2: Why Technology Important for Instruction and Learning
- Unit 3: How Do You Approach Integrating Technology
- Unit 4: What Tools Can You Use to Integrate Technology
- Unit 5: Course Conclusion

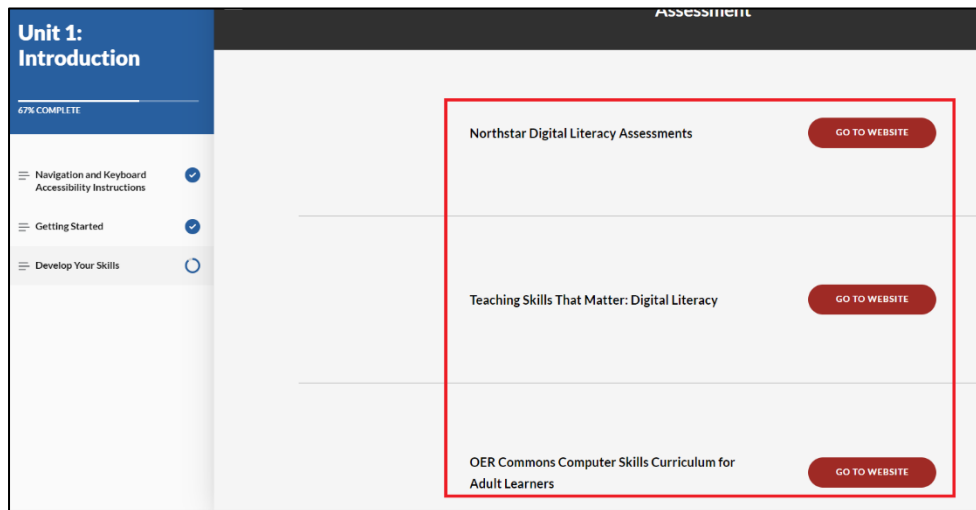
Recommendation: Ensure that headings introduce content sections are properly marked up as headings (<h1> - <h6>).

Success Criteria: 1.3.1 Info and Relationships

Impact: Minor

[Revalidation 06/04/24] – Resolved

3. Link purpose



Issue Description: Assistive technology users often encounter links outside of the surrounding context. When the links are accessed the links to be visited website name is not associated besides the “Go To Website” links.

Screen(s): Globally

- Unit 1: Introduction -> Develop Your Skills
- Unit 2: Why Technology Important for Instruction and Learning
- Unit 3: How Do You Approach Integrating Technology
- Unit 4: What Tools Can You Use to Integrate Technology
- Unit 5: Course Conclusion

Source Code:

```
<a class="blocks-button__button"
href="https://www.digitalliteracyassessment.org/#take-assessment" rel="noopener
norereferrer" tabindex="0" target="_blank" aria-label="Go to Website (opens in a
new tab)" style="--color-button-bg: #9f2a25; --color-button-text: #fff; --color-
button-border: transparent;">Go to Website</a>
```

Recommendation: Update the aria-label to each ambiguous <a> to describe the link name programmatically.

Success Criteria: 2.4.4 Link Purpose

Impact: Minor

[Revalidation 06/04/24] – Resolved

4. Radio buttons navigation with AT

The screenshot shows a web application interface. On the left is a sidebar with a blue header 'Unit 2: Why Is Technology Important for Instruction and Learning?' and a progress indicator '0% COMPLETE'. Below the header is a list of items: 'Engage', 'Enhance', 'Extend', 'Check-in' (with a question mark icon), and a section 'PART 2: DIGITAL INCLUSION AND DIGITAL RESILIENCE' containing 'Digital Literacy Skills' and 'Digital Divide'. The main content area has a question 'What are the three components of the Triple E Framework?' and four radio button options: 'Engage, Educate, and Exercise', 'Engage, Enhance, and Extend', 'Engage, Entertain, and Extend', and 'Engage, Enhance, and Educate'. The first option is enclosed in a red rectangular box. A 'SUBMIT' button is at the bottom right.

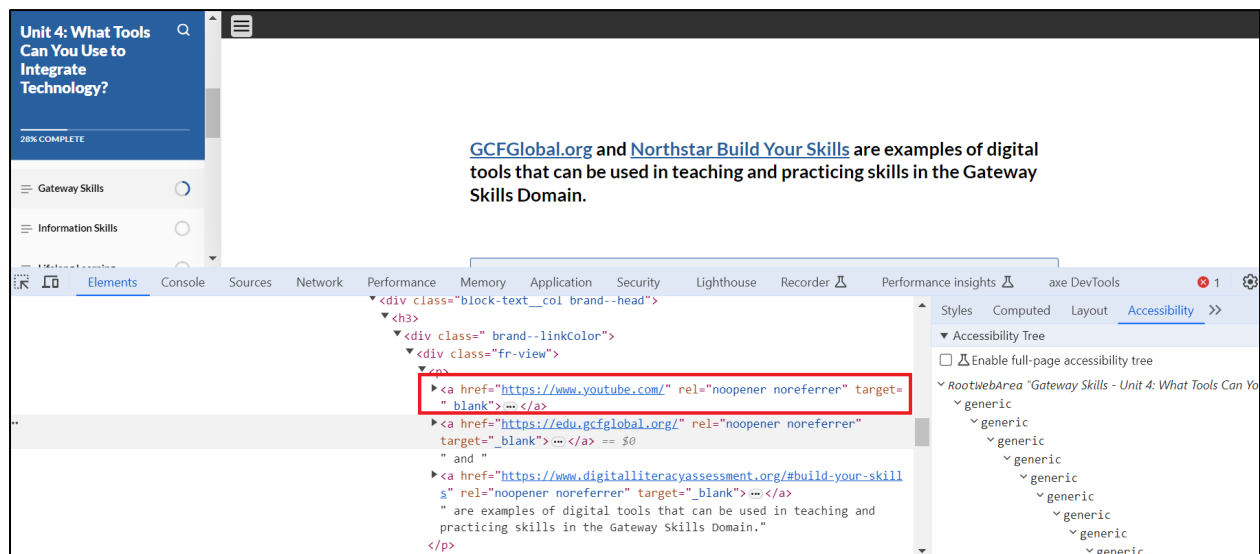
Issue Description: When navigating through the radio buttons choices using the arrow keys, the label text next to the first radio button is read by JAWS instead of reading the second choice of radio button.

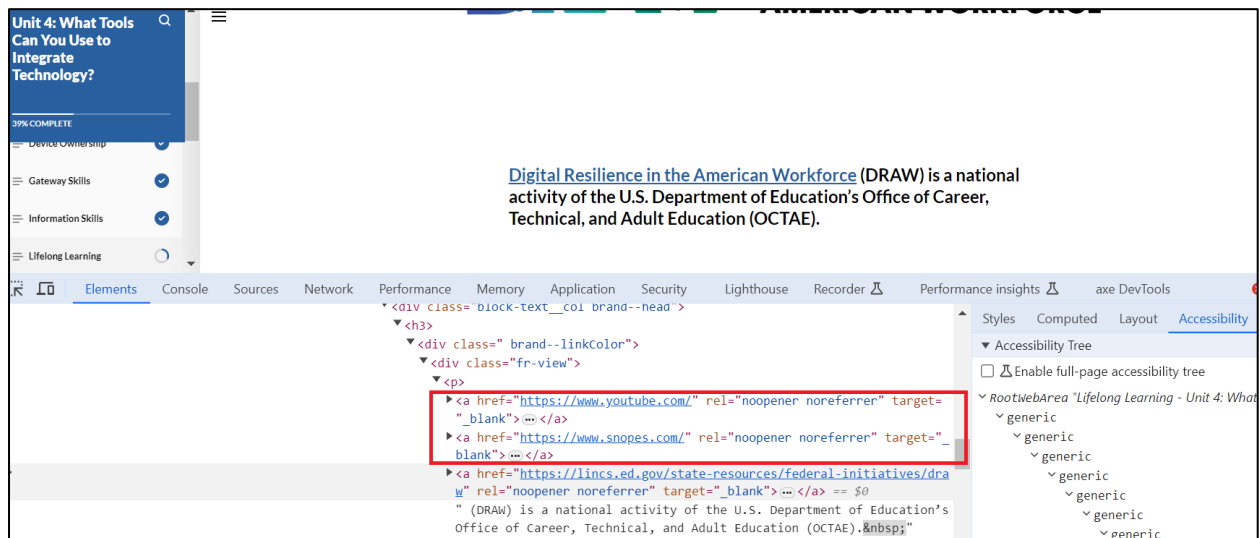
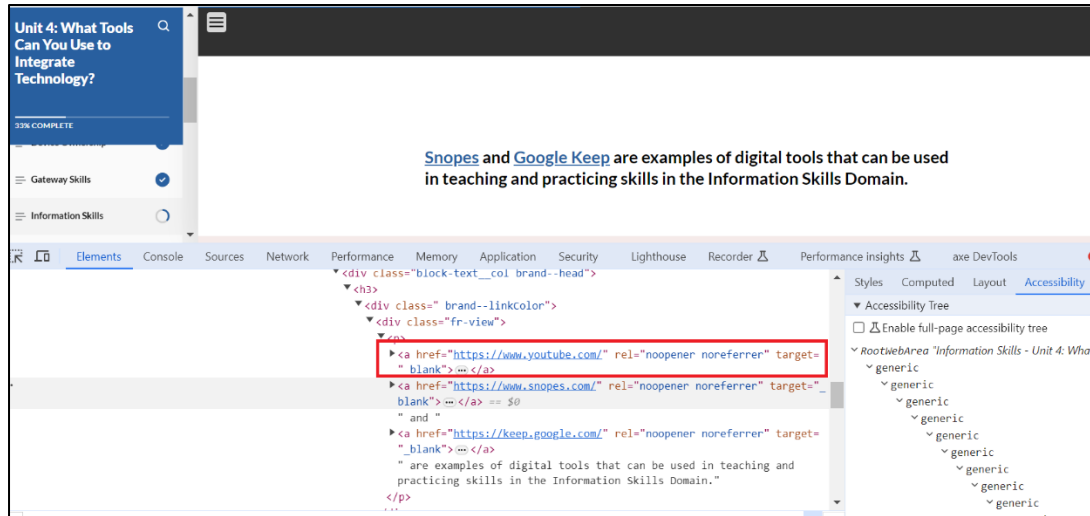
Screen(s): Globally

- Unit 2: Why Technology Important for Instruction and Learning -> Check-in
- Unit 2 Quiz
- Unit 3 Quiz
- Unit 4 Quiz

Source Code:

```
<div class="quiz-multiple-choice-option-wrap"><div aria-checked="false" aria-disabled="false" aria-labelledby="qmc-1-label" class="quiz-multiple-choice-option" role="radio" tabindex="-1"><div class="quiz-multiple-choice-option__indicator"><svg aria-hidden="true" class="quiz-multiple-choice-option__dot" fill="currentColor" focusable="false" viewBox="0 0 10 10" xmlns="http://www.w3.org/2000/svg"><circle cx="5" cy="5" r="5"></circle></svg><svg aria-hidden="true" fill="currentColor" focusable="false" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 11 8" class="quiz-multiple-choice-option__check"><path d="M9.6,0L11,1.3L3.9,8L0,4.3L1.4,3L2.6,2.4L9.6,0z"></path></svg><svg aria-hidden="true" aria-label="X mark" class="quiz-multiple-choice-option__x" focusable="false" height="10" role="img" viewBox="0 0 10 10" width="10" xmlns="http://www.w3.org/2000/svg"><path d="M5,4.17,9.17,0,10,.83,5.83,5,10,9.17,9.17,10,5,5.83.83,10,0,9.17,4.17,5,0,.83.83,0z"></path></svg></div><div class="quiz-multiple-choice-option__border"></div></div><div class="quiz-multiple-choice-option__text brand--
```





Issue Description: Offscreen “YouTube” link is operable via keyboard.

Screen(s): *Course wide*

- Unit 4: What Tools Can You Use to Integrate Technology
 - Gateway Skills
 - Information Skills
 - Lifelong Learning
 - Mobile
 - Online Life
 - Privacy and Security
 - Workplace

Recommendation: Ensure the link do not receive keyboard focus and is hidden for all users.

Success Criteria: 4.1.1 Parsing

Impact: **Moderate**

508 Issue Ratings (severity)

Critical

This issue results in blocked content for individuals with disabilities. Until a solution is implemented content may be completely inaccessible, making your organization vulnerable to legal action. Remediation should be a top priority.

Serious

This issue results in serious barriers for individuals with disabilities. Until a solution is implemented some content will be inaccessible, making your organization vulnerable to legal action. Users relying on Assistive Technology will experience significant frustration when attempting to access content. Remediation should be a priority.

Moderate

This issue results in some barriers for individuals with disabilities but would not prevent them from accessing fundamental elements or content. This might make your organization vulnerable to legal action. This issue must be resolved before a page can be considered fully compliant.

Minor

This is considered an Accessibility issue that yields less impact for users than a moderate issue. For a page to be considered fully compliant this issue must be resolved but can be dealt with last.