

# 2017-2018 Science Instructional Materials

## Universal Design Learning (UDL) Questionnaire

**Bid Number: 3251**

**Course: Science – Environmental Science**

**Title of Materials: Environmental Science 9-12**

**Publisher: Cengage Learning**

The following are questions asked of the publisher and their responses can be found in their UDL document which is provided on their reviewer portal. Please mark where the material falls on the scale and provide comments that will help publishers improve their product and districts make informed choices. On completion please return to Cathy Seeds at [Cathy.Seeds@fldoe.org](mailto:Cathy.Seeds@fldoe.org).

### 1. How are both flexibility and student choices provided for the following presentation features in the instructional materials:

- Fonts:
  - Type and size.
  - Colors and background colors can be adjusted.

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
			X	

Comment: Font sizes and colors are not adjustable in PDF or EPUB books. However, PDF or EPUB books using Bookshelf will respond to contrast display changes in the operating systems. Adjusting the type of fonts and colors can increase the readability of the content for some students

- Background: High contrast color settings are available.

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
		X		

Comment: Bookshelf works with contrast settings in the operating system.

- Text-to-speech tools

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
				X

Comment: Text to speech tools are not built in and third party text to speech tools cannot be used.

- All images have alt tags.

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
			X	

Comment: Alt tags are not available in PDF versions. They may be available in some images in other formats. Alt tags and description tags are important supports for students who are blind or visually impaired.

- All videos are captioned.

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
				X

Comment: No closed captioning on videos.

- Text, image tags, and captioning sent to refreshable Braille displays.

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
			X	

Comment: When available, these are sent to refreshable braille displays in XML and EPUB books. Support for refreshable braille displays is needed by students who are blind.

## 2. How are the following navigation features provided in the instructional materials:

- Non-text navigation elements (buttons, icons, etc.) can be adjusted in size.

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
		X		

Comment:

There is a button for magnification but only one size and this can only be done by magnifying the entire screen. Being able to adjust the size of buttons and icons helps students who use switch systems to control a computer.

- All navigation elements and menu items have keyboard shortcuts.

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
			X	

Comment: Keyboard shortcuts are not available for anything. Keyboard shortcuts are important when creating alternative keyboards, command overlays, and custom onscreen keyboards for students who have fine motor limitations.

- All navigation information can be sent to refreshable Braille displays.

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
		X		

Comment: The Bookshelf systems sends user interface information to the screen reader software running a braille display.

## 3. How are the following study tools provided in the instructional materials:

- Highlighters are provided in the four standard colors (yellow, rose, green, blue).

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
				X

Comment: No highlighting is available.

- Highlighted text can be automatically extracted into another document.

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
				X

Comment: No text can be extracted into another document.

- Note taking tools are available for students to write ideas online; as they are processing curriculum content.

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
				X

Comment: No notetaking tools are available.

**4. Which of the following assistive technology supports, by product name, have you tested for use with the instructional materials:**

- Assistive technology software that can be run in the background. Examples include:
  1. Magnification
  2. Text-to-speech
  3. Text-to-American Sign Language
  4. On-screen keyboards
  5. Switch scanning controls
  6. Speech-to-text

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
				X

Comment: Several third party tools have been tested with this product and nothing works.

**5. For students with special needs who require paper materials based upon the IEP, how are the materials provided for students currently not able to access digital materials? (if specified)**

5 - Very Good Alignment	4 – Good Alignment	3 - Fair Alignment	2 – Poor Alignment	1 – Very Poor/No Alignment
				X

Comment: No pages can be printed of the online books. Having printed versions available helps provide instructional materials in a timely manner to students who need print. NIMAS is the only way to get a printed version.