

2017-2018 Science Instructional Materials

Universal Design Learning (UDL) Questionnaire

Bid Number: 3432

Course: Marine Science I

Title of Materials: Marine Science: Marine Biology and Oceanography

Publisher: Perfection Learning Corporation

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.

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: The instructional material provided for review was a Flash-based “book.” The font type was not adjustable. Font size could be adjusted through the built-in magnification tool which enlarged the whole page. The color filter feature of Windows 10 did provide some basic choices in color filters. Adjusting the font type, size, and foreground/background 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: No built-in adjustments to contrast were noted. The publisher reported that contrast can be adjusted. The use of the color filter feature of Windows 10 did provide an invert color contrast for the text but it also inverted the colors in all the pictures. Using the high contrast setting in the operating system had no effect on the look of the pages. Adjusting the contrast can increase the readability of the content for some students.

- Text-to-speech tools

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

Comment: The text could not be selected to use with 3rd party text-to-speech tools and no tools were included in the instructional material. Third party tools that include OCR features may work. The publisher reported that text-to-speech was available, but this feature was not observed. Text to speech support is important for students who have problems decoding text but may not need to hear everything in audio.

- 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: The publisher reported that alt tags are available, but this feature was not observed. 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

Comment: No videos were found in this instructional material. The publisher reports that videos are captioned. Captioning is important for students who are deaf or hard of hearing.

- 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: Not available currently. 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: Use of the magnification/zoom tools in a web browser can be used to increase the size of the navigational elements. 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: The publisher reports that there are keyboard shortcuts for navigation and menu items. A list was not provided but some keyboard shortcuts were noted. 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: Not available. Support for refreshable braille displays is needed by students who are blind.

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: Built-in highlighting tools could not be found. The publisher reports that highlighting is available in four colors. When the book is displayed in the Microsoft Edge browser there are highlighting tools available. Since these tools are browser specific accessibility cannot be predicted. Highlighters in various colors provide students a way to visually organize the instructional content, an important support for students who struggle with organizing information and making connections.

- 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: Text extraction tools could not be found. The publisher reports that text extraction is available, but this feature was not observed. Extraction of highlighted text is an important tool for students who have problems organizing information.

- 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: Note taking tools are available. Notes can be added to pages and all of the notes are gathered in one place for the student to view and manage. Notetaking tools are important for students who struggle with memory. These tools also provide options for students to organizer their thoughts, processing, and understanding.

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 Freedom Scientific MAGic screen magnification software
 2. Text-to-speech Freedom Scientific MAGic screen magnification software
 3. Text-to-American Sign Language Perfection Learning will test any specific assistive technology upon request.
 4. On-screen keyboards Hot Virtual Keyboard
 5. Switch scanning controls Perfection Learning will test any specific assistive technology upon request.
 6. Speech-to-text Perfection Learning will test any specific assistive technology upon request.

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

Comment: The publisher reports some assistive technology software has been tested and additional testing can be done on request. Support for assistive technologies is critical to ensuring that all students are included in the instructional activities.

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: Print versions are available.