2017-2018 Science Instructional Materials

Universal Design Learning (UDL) Questionnaire

Bid Number:3269
Course: M/J Life Science
Title of Materials: HMH Florida Science, Life
Publisher: Houghton Mifflin Harcourt

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:
        o Type and size.
        o 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: Comment: General magnification of the entire screen is available. Fonts and colors are adjustable through assistive technology or the web browser, which makes it dependent on local capabilities and web browser. Consistency of accessibility cannot be predicted. Seems to work better on OS system than Windows. Adjusting the type of fonts and colors can increase the readability of the content for some learners.

    ● 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: High contrast color settings are adjustable through assistive technology or the web browser, which makes it dependent on local capabilities. Consistency of accessibility cannot be predicted. Publisher reports on-going development of this feature. Adjusting the contrast can increase the readability of the content for some learners.

    ● Text-to-speech tools

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

Comment: Audio recordings of core content pages and Audio Glossary (Table of Content and resource pages/my library pages audio is not available) are available without highlighting and text to speech tools are not provided. This means that learners are not able to select speaking rate, type of voice or specific phrases or sections of words to hear aloud. Learners must listen to entire recording of sections. Repeating important concepts without ability to select, highlight, and read text makes long and tedious work for the learner. The highlight feature option is there but not functional yet.

    ● 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:

● 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 video captioning was found in the Video-based projects section. Video captioning was found in the Digital Lesson Student area.

● 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: Core eBooks are built upon the EPUB standard and refreshable braille displays can understand and interpret content.

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: This can only be done through general magnification of the entire screen. Adjusting non-text navigation elements is not supported. Being able to adjust the size of buttons and icons helps learners 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, including the use of the directional keys to navigate through the content. Keyboard shortcuts are important when creating alternative keyboards, command overlays, and custom onscreen keyboards for learners 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: All navigation information can be sent to refreshable Braille displays.

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: Four colors of highlighting are provided.

● 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: Highlighted text can be extracted and saved into a note-taking tool and export to other formats is under development.

● 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: Learners can highlight, underline, or add specific notes within the platform.

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: Specific programs are not listed, but the publisher has identified magnification, text-to-speech, on-screen keyboards, and speech-to-text as assistive technology software that can be run in the background. Switch scanning controls are not supported. Support for assistive technologies is critical to ensuring that all learners 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:

Core content is available in digital and print environments. Digital only assets, such as online resources are available as PDFs, which can be printed.   Publisher states that the Teacher Guide will delineate which elements are print-only or digital-only.