

2017-2018 State of Florida Instructional Materials Adoption Universal Design Learning (UDL) Questionnaire(Form IM12)

BID#:3352

SUBMISSION TITLE:SCIENCE BITS - M/J PHYSICAL SCIENCE, ADVANCED

GRADE LEVEL:6-8

COURSE TITLE:2003020 M/J PHYSICAL SCIENCE, ADVANCED

PUBLISHER:LEARNING BITS INC.

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.
- Background: High contrast color settings are available.
- Text-to-speech tools

Science Bits supports several text to speech tools, depending on the platform used to access the materials. All the materials have been tested to function properly under our recommended tools (click2speech in Chrome environments and Text To Speech in iOS environments).

- All images have alt tags.
- All videos are captioned.

All Science Bits videos are captioned in both English and Spanish, so students can choose the language that works best for them.

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

All Science Bits content is written in semantic, standards-compliant HTML5, which makes accessibility a lot easier. In particular, most Braille displays prefer this technology for content to be displayed.

- Other

All text and voices in Science Bits are available in a bilingual configuration (English & Spanish). This makes integration of ELL students substantially easier, as well as parental involvement in the families of those students.

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

- Non-text navigation elements (buttons, icons, etc.) can be adjusted in size.
- All navigation elements and menu items have keyboard shortcuts.
- 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).

- Highlighted text can be automatically extracted into another document.
- Note taking tools are available for students to write ideas online; as they are processing curriculum content.

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

Science Bits uses the magnification capabilities of most internet browsers. The materials have been tested with Chrome, Internet Explorer, Edge, Safari & Firefox

2. Text-to-speech

Science Bits uses the native text-to-speech tools of the environment of the user. All materials have been tested to function properly under our recommended tools (click2speech in Chrome environments and Text To Speech in iOS environments)

3. Text-to-American Sign Language

4. On-screen keyboards

Science Bits leverages on-screen keyboards included in the operating system of the user environment. All materials have been tested to function properly under Windows, Chrome OS, Android and iOS on-screen keyboards.

5. Switch scanning controls

6. Speech-to-text

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?

For students with special needs, all Science Bits licenses provide access to a printable version of the units. Teachers can print selected pages of these PDF documents and distribute them to their students, so they have a hard copy of the activity, to make notes and perform individual parts of the activity.

This option can also be used in environments with a low number of screens per classroom. When costs are reasonable (i.e. for large numbers of students) Science Bits can professionally print and bind the paper-based units.