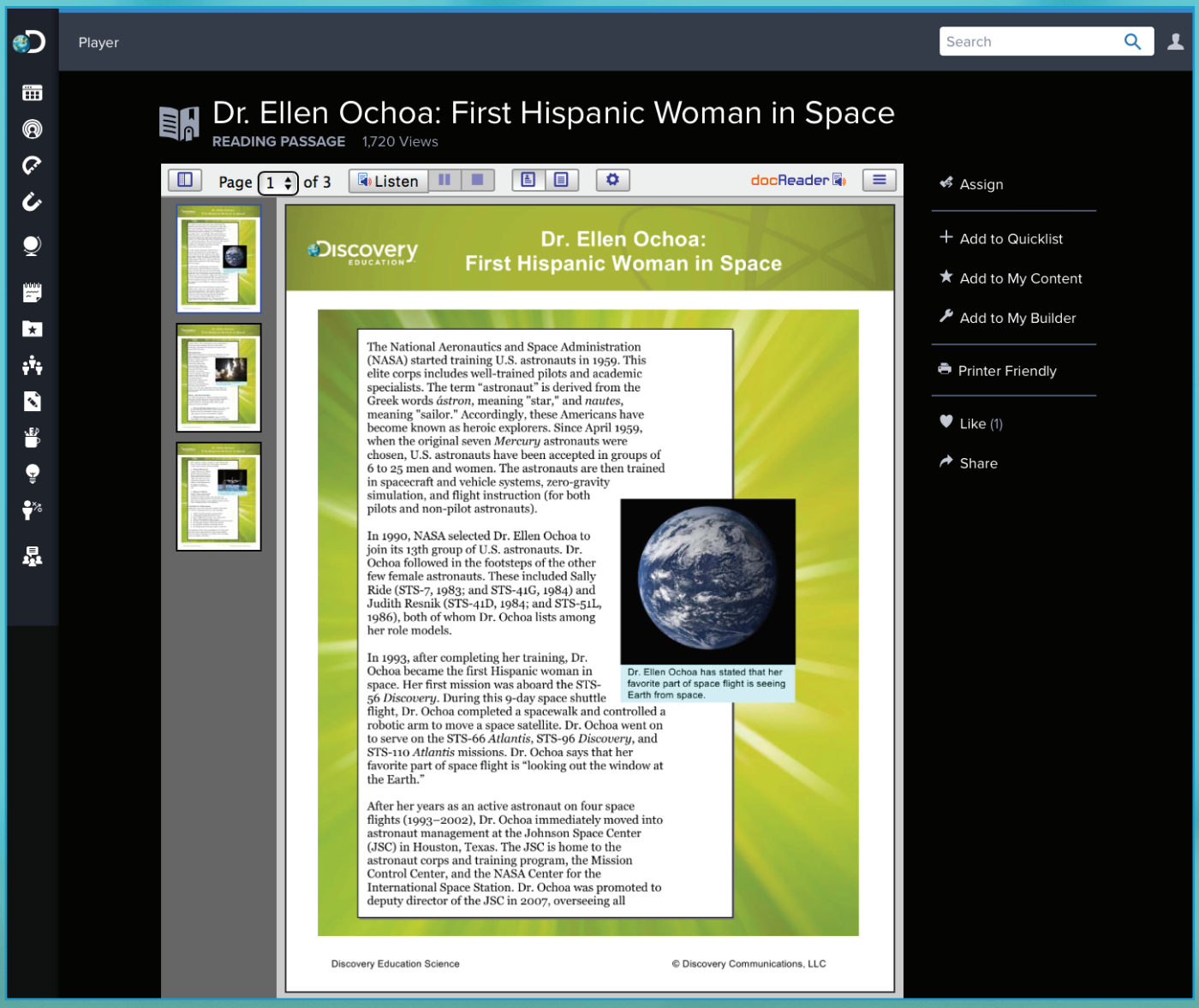

Science Techbook is infused with resources and instructional strategies that support culturally responsive teaching and learning.

Instruction is relevant to students' lives and the world around them.

Instructional resources are relatable to students with varying backgrounds and perspectives.

Instructional resources provide students with a clear purpose and rationale for learning.

Teaching prepares students to be future ready.

Instructional resources enhance student learning.

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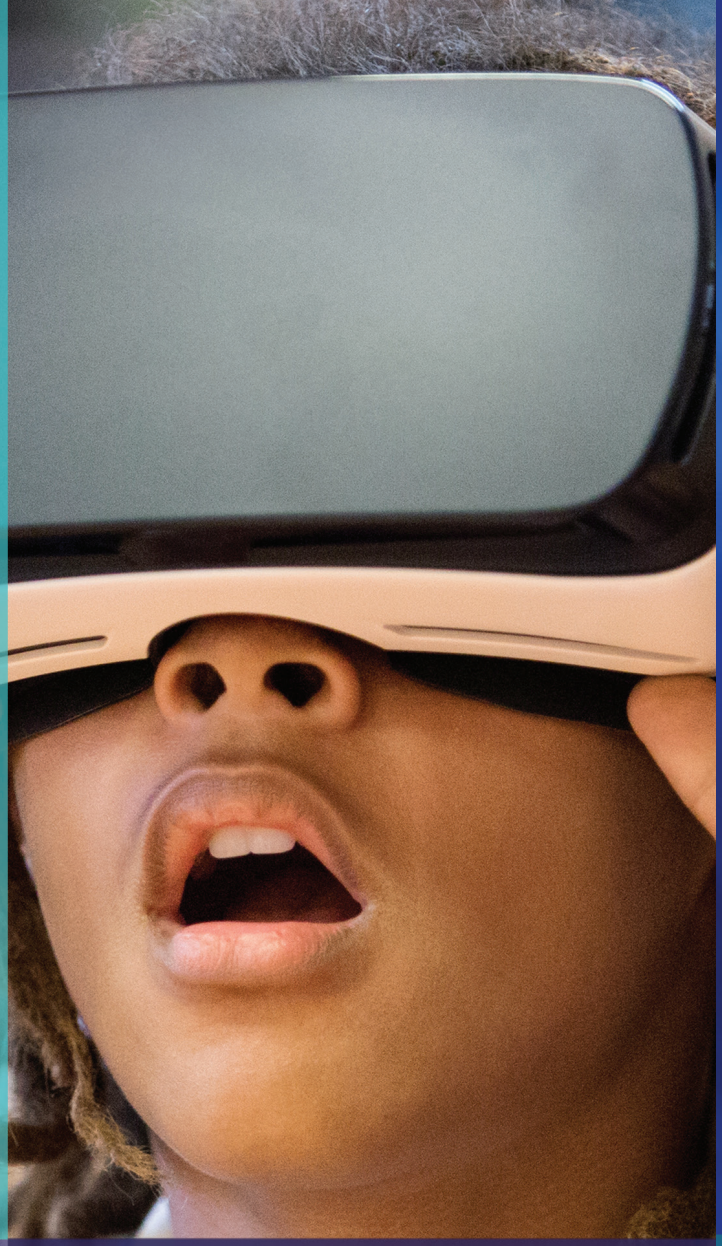
TECHBOOK

by

Topic

CULTURAL RESPONSIVENESS



Discovery Education Science Techbook builds content knowledge and strengthens literacy skills. It also makes the educator's role in meeting the needs of diverse learners through culturally responsive teaching easier with access to robust resources and lessons that use research-based strategies.

Discovery EDUCATION™ | SCIENCE TECHBOOK™

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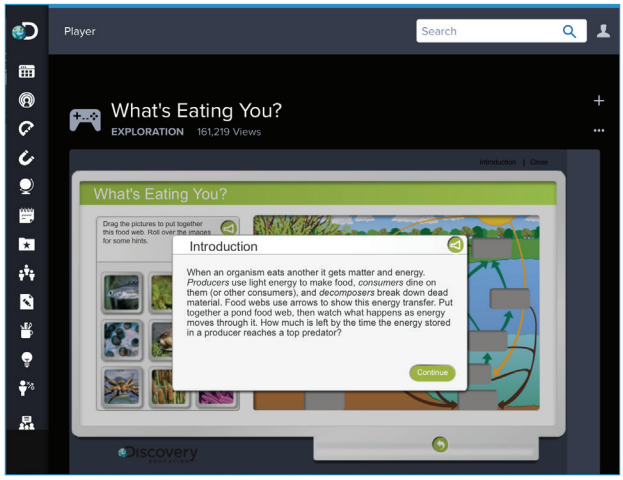
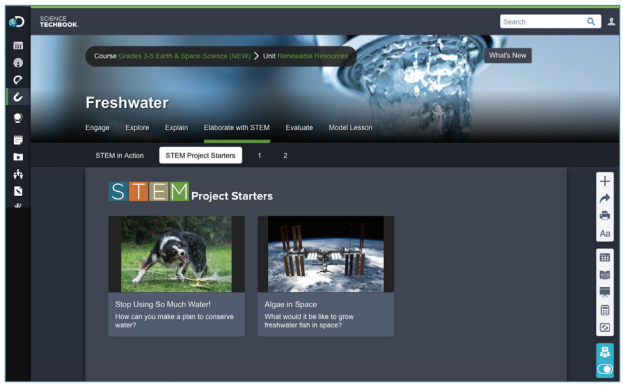
TECHBOOK by Topic

Accommodate the differences in learners through student-centered instruction.

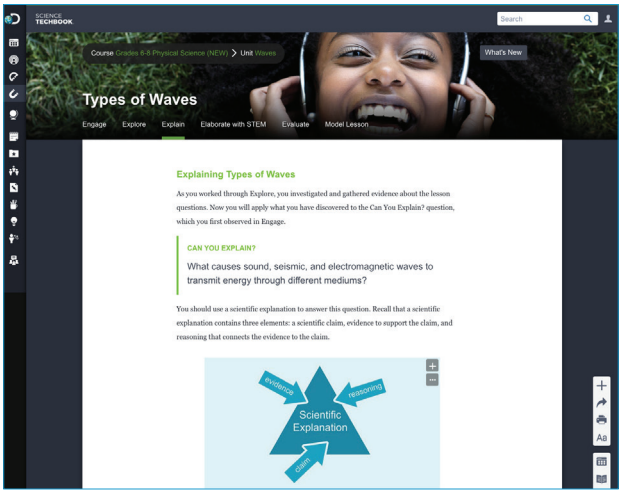
The use of digital activities, such as high-quality graphics, game play, virtual labs, and robust science challenges, motivate students to think deeply about topics traditionally taught through direct instruction, allowing for more student-centered instruction.





Emphasize the collectivity of interactions as well as individuality.

There are several parts of Science Techbook that are designed for students to collaborate and also contribute as individuals. The Explore tab offers ongoing opportunities for students to work collaboratively. Can You Explain questions and embedded assessments bring in the element of individuality as well as individual accountability.



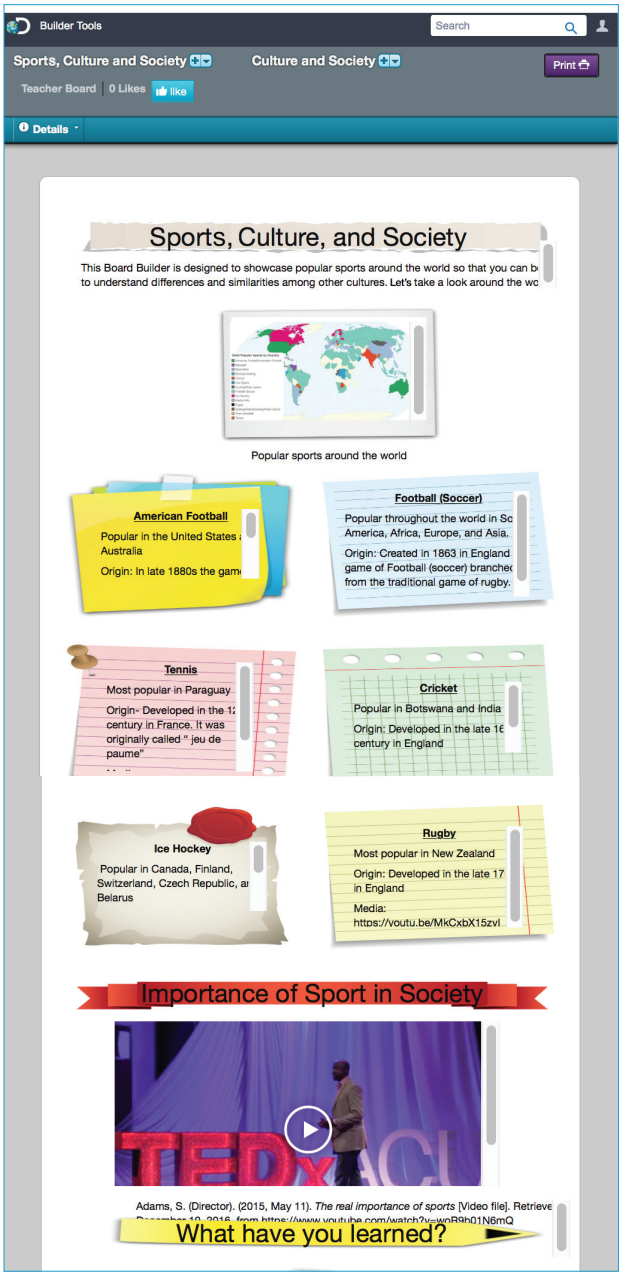
Pose real-world problems in which students can "see themselves" in the content.

Science Techbook's digital content captures up-to-date images, situations, and subjects to illustrate and pose real-world problems, so that students of all abilities and backgrounds not only have a high level of engagement but also see themselves in the content, thus creating relevance.

Recent advancements in virtual reality provide experiences for students that would be impossible to replicate in any other way. Virtual reality gives students the opportunity to see themselves in immersive experiences or in places or events that they have not experienced firsthand.

Change the "belief gap" narrative by showing what all students can do using digital resources.

The belief gap is the gap between what students can achieve and what others believe they can achieve. Science Techbook provides students with a multitude of opportunities to move from consumers of information to creators of information. It also allows students to easily share, display, and showcase their work, along with their thinking and their accomplishments both locally and globally.



Affirm students through cultural connections, particularly in relationship to the curricular topics.

Science Techbook supports educators seeking to create an inclusive and culturally responsive environment with content that reflects the values, backgrounds, and learning styles of a diverse student population. The students and people represented in the videos and images within Science Techbook offer a wide variety of backgrounds, including people of various races, ages, cultures, and physical abilities.

Science Techbook provides authentic learning opportunities that speak to students' daily lives, validating their personal experience and motivating them to explore issues that extend beyond the classroom. For example, a Science Techbook lesson on renewable and nonrenewable energy resources asks students to investigate the types of energy resources used in their community and the source of those resources.