



## EduSmart Science brings STEM Curriculum to life—in one place!

EduSmart Science incorporates all the tools you need to teach science lessons that will engage your students in even the most complex concepts. Built by science teachers for teachers just like you, EduSmart offers the benefit of a complete out-of-the-box science curriculum, with the ability for you to add your own components.



### Instruction Module

TEKS-aligned content that integrates still images, video, and animated graphics. Concise narrative text provides

additional support for ELL students. The Instruction Module can be customized to various student groupings, and is ideal for students' use in research, review or remediation. Supports:

- Activating prior knowledge
- Using both linguistic & non-linguistic representations
- Cueing thinking
- Open-ended questioning



### Interactivities

Interactive game-formatted activities that enable students to practice and apply acquired knowledge and skills. These reinforce newly acquired

knowledge while helping students master the concepts and skills presented. They can be used independently or as whole class activities.



### Simulations

Virtual lab experiences let students apply process skills and concept knowledge to perform descriptive, comparative and experimental investigations on concepts in the Instruction Module. These

multimedia simulations use flash animation and still graphics that give students virtual "real-world" field and laboratory experiences. Simulations may be used to engage, reinforce, assess or extend learning.



### Note-Taking Guide

A printable note-taking/CLOZE activity associated with each Instruction Module. It can be used as:

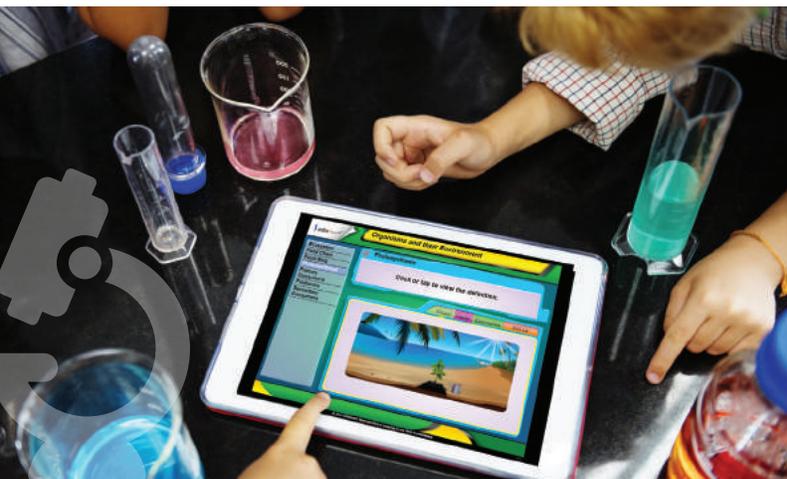
- A listening guide while viewing
- Study guide
- Student or small group activity journal
- An assessment tool for teachers



### Quiz

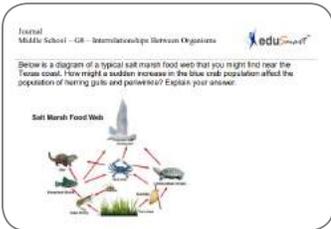
Each unit includes formative assessments or a quiz with the option to print or to assign it to individual students. The prepackaged assessments check student responses and provide immediate

feedback on their answers. Quizzes are ideal for pre- and post-assessments and as instructional tools.





“Edusmart is what helps brings our kids from being academically acceptable as a result of meeting the requirements—to exceeding the requirements and meeting the commended performance rates.”



## Journal Entries

Open-ended higher order thinking questions and prompts. They enhance learning by asking students to respond to prompts and inquiry-based questions that require them to justify their reasoning.



## Science Readers

EduSmart’s Science Readers are leveled, standards-based e-books with printable assessments that help teachers to bridge the divide

between science content and literacy. Available in a range of Lexile levels for grades K-8, the readers help students go beyond simply reading the text and instead synthesize material and consider how it relates to real-world experiences. Each of the 200+ books includes a short assessment of multiple choice and short-answer questions.



## Glossary

Interactive multimedia Glossary that provides both linguistic and non-linguistic representation of key terms related to science concepts in the Instruction Module, Interactivities and Simulations.



## Student Review

This mobile phone-compatible lesson component lets students review concepts in short video formats, and answer three questions

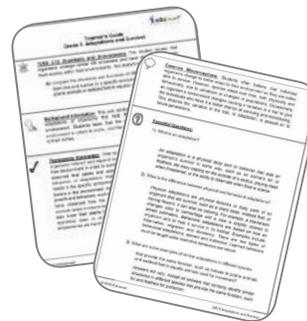
embedded within the video. Students are awarded a star for each question answered correctly on the first attempt, and a half star for each question answered on the second attempt. Reports allow teachers to view the performance of the class on specific topics.



## Activities

Hands-on labs, investigations, targeted activities, research projects and STEM activities that are used offline. These reinforce and extend learning and assess the level of concept mastery. They can be used to initiate inquiry to develop common background knowledge and experiences prior

to engaging in a unit of study. Others require students to apply their knowledge in lab investigations, analyze and research current topics related to the Instruction Module’s concepts.



## Teacher Resources

Printable documents that provide teachers with background information, prerequisite knowledge, essential questions and common misconceptions.

