Supporting STAAR® Achievement in Science

Engagement

SE Lessions

Grade 5

Differentiation



Table of Contents

Introduction	
What is Supporting STAAR [®] Achievement in Science: Grade 5?	_ix
Lesson 1: Density	1
Lesson 2: Solubility	_17
Lesson 3: Insulators and Conductors	_33
Lesson 4: Uses of Energy	49
Lesson 5: Electrical Energy	63
Lesson 6: Alternative Energy Resources	77
Lesson 7: Rotation of Earth	93
Lesson 7: Rotation of Earth	93
Lesson 8: Ecosystem Interactions	111
Lesson 9: Structures and Functions	129
Lesson 10: Learned Behaviors and Inherited Traits	_145
References	_159

I

A resource that focuses on the Texas Essential Knowledge and Skills (TEKS) identified as readiness standards while integrating appropriate supporting standards and science processes and skills.

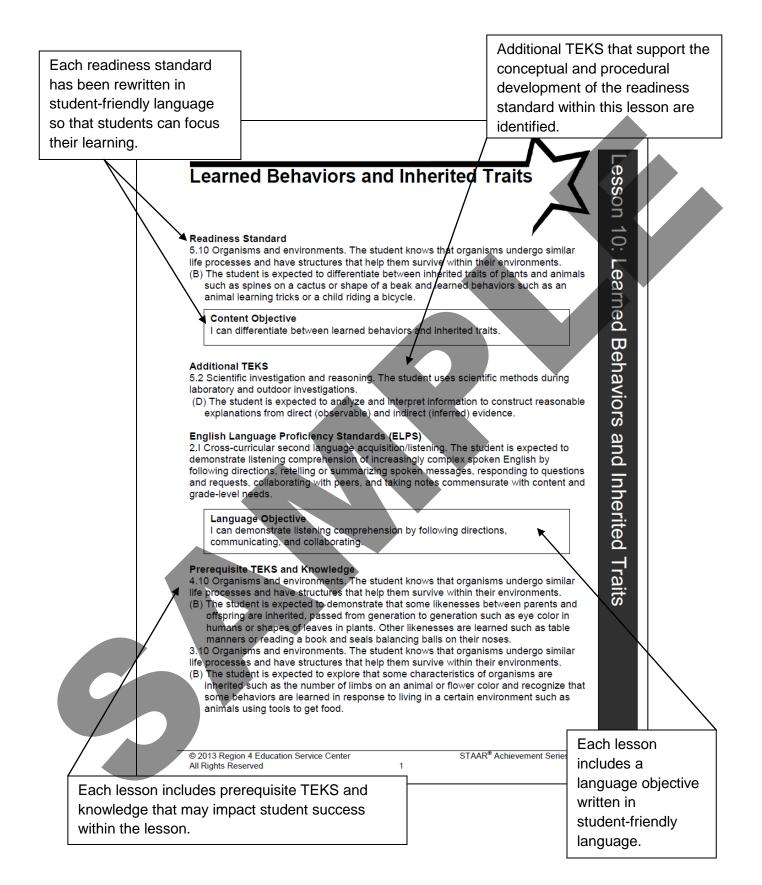
2

A resource that provides opportunities for rigorous science conversations while providing support for students at varying levels of preparedness.

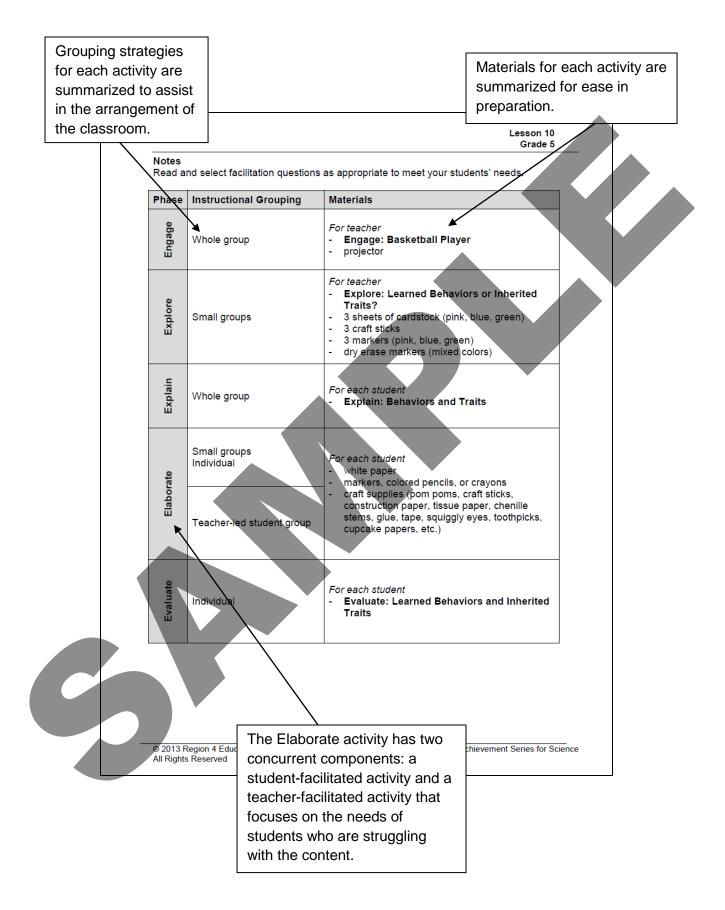
A resource that provides support for English language learners and struggling students through Tier I differentiated activities; scaffolds for the activities, such as graphic organizers; and facilitation questions.

A resource that supports teachers through clear procedures and facilitation questions designed to assist students with processing science concepts. This resource also includes teacher notes to aid in clarifying misconceptions learners may have about a concept.

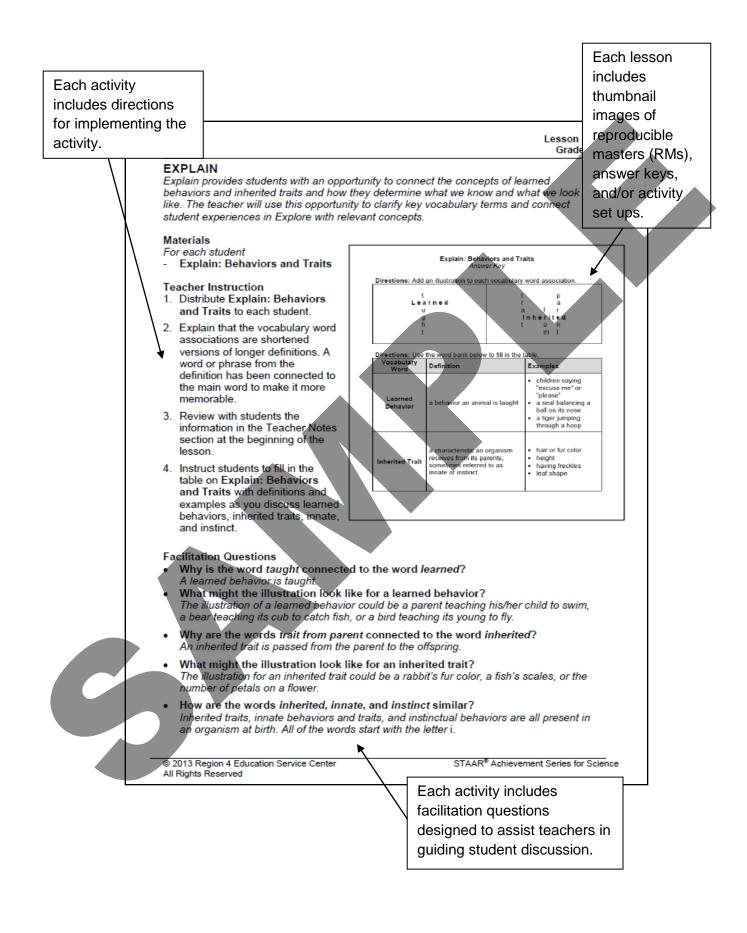
A resource of classroom-ready 5E lessons. Student-centered Engage bridges students' prior knowledge or encourages interest in deeper exploration of the concepts in the lesson. Explore is an opportunity to "do science," providing a common experience for all students to which they can tie concepts and vocabulary. In Explain, students formalize the scientific ideas from Explore with a focus on academic vocabulary as well as procedures related to the concepts. Elaborate allows students to apply or extend their understanding of the concepts in the lesson. In addition, an intervention strategy is suggested in each Elaborate. Evaluate consists of four selected-response items and one open-ended response question that can be used to assess student understanding.

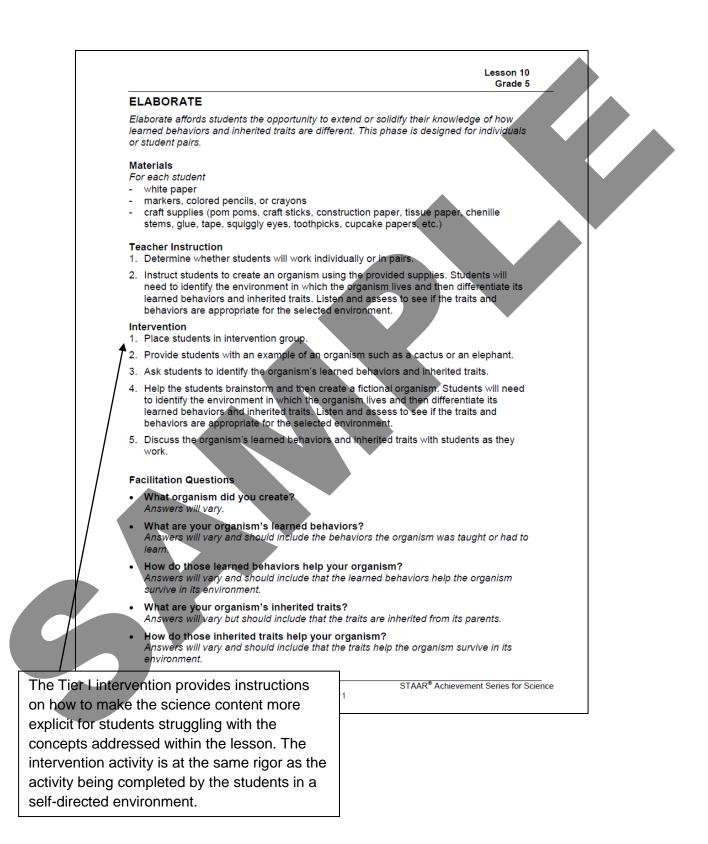


What is Supporting STAAR[®] Achievement in Science: Grade 5?



What is Supporting STAAR[®] Achievement in Science: Grade 5?





What is Supporting STAAR[®] Achievement in Science: Grade 5?

