

Master the Supporting and Readiness Standards One Step at a Time!

Pacing Chart GRADE 8 SCIENCE

STAAR Review & Intervention Program: Sample of First Five Lessons



Lesson	1	2	3	4	5
Category	Cat. 1 - Matter and Energy	Cat. 1 - Matter and Energy	Cat. 1 - Matter and Energy	Cat. 1 - Matter and Energy	Cat. 1 - Matter and Energy
Topic	Atomic Structure and Elements	Chemical Formulas	Physical and Chemical Properties and Changes	Chemical Reactions and Equations	Energy Flow and Summary of Cat. 1
Whole Group Activity Block	Pre-test and TEA Reference Chart complete independently; pages 1-3 Student Guides & Teacher CD hand a guide to each student for use during 20 lessons; read/review ¹ "Structure of Atoms" through "Periodic Table" sections aloud	Elements Card Deck give each student one card; students must find their match and read/show cards Student Guides & Teacher CD read/review "Chemical Formulas" section aloud	Compounds Card Deck give each student one card; students must find their match and read/show cards Student Guides & Teacher CD read/review "Properties and Changes" through "Chemical Reactions" sections aloud	Student Guides & Teacher CD read/review "Chemical Reactions" through "Chemical Equations" sections aloud; have students stand for each chemical reaction: • tearing paper • melting ice • burning paper • dissolving sugar • rusting nail	Student Guides & Teacher CD Read/review "Energy Flow" section aloud; play Matter and Energy Hangman as a class (game on Teacher CD)
Cooperative Group Activity Block	Activity 1 - Parts of an Atom Project complete in student pairs; page 5 <i>*need scissors</i>	Elements and Compounds Card Decks provide each group of 4 to 5 students with a shuffled deck; teams compete to be the first to correctly match all cards (face up) - half use Elements, half Compounds, then switch decks	Activity 4 - Properties of Elements Project complete in student pairs; pages 10-11 <i>*need scissors, glue</i>	Activity 6 - Conservation of Mass Project complete in student pairs; pages 14-15 <i>*need scissors, glue</i>	ActionPack: Category 1 and Game Bag read the instructions aloud; rotate all the cards until each group (3 to 4 students per team, 2 teams per group) has used them all
Independent Activity Block	Activity 2 - Elements complete independently; pages 7-8	Activity 3 - Chemical Formulas complete independently; page 9	Activity 5 - Properties and Changes complete independently; page 13	Activity 7 - Chemical Reactions complete independently; page 16	Activity 8 - Matter and Energy complete independently; page 17

¹ For whole group read/review activities, ask students to create and share their own examples of each concept or term.

