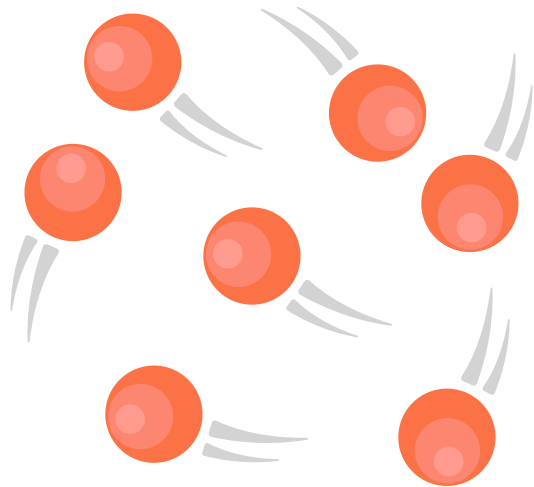


TEKS Grade 7 - S.7.6 Bundle

MATTER AND ENERGY

- ✓ 7th Grade Science TEKS Curriculum Bundle - S.7.6.A, S.7.6.B, S.7.6.C, S.7.6.D, S.7.6.E
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



NEW 2024

Resources Included

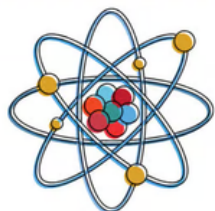
- ✓ **Complete S.7.6 - 7th Grade Science TEKS Curriculum** | Energy and Matter.
- ✓ **Variety of Resource Types** - Includes lessons, activities, assessments, and more.
- ✓ **Daily Teaching Timeline Included** - Includes a ready-to-go, daily teaching timeline.
- ✓ **Digital + Printable Formats** - Ideal for classroom, hybrid, or remote learning environments with flexible access options.

Resources Included

TEKS Grade 7 - S.7.6.A

Atoms, Elements, and Compounds

- ✓ 7th Grade Science TEKS Curriculum Bundle
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



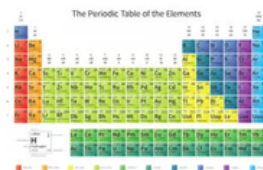
NEW 2024



TEKS Grade 7 - S.7.6.B

The Periodic Table

- ✓ 7th Grade Science TEKS Curriculum Bundle
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



NEW 2024



TEKS Grade 7 - S.7.6.C

Physical and Chemical Properties and Changes

- ✓ 7th Grade Science TEKS Curriculum Bundle
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



NEW 2024



TEKS Grade 7 - S.7.6.D

Solutions and Mechanical Mixtures

- ✓ 7th Grade Science TEKS Curriculum Bundle
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



NEW 2024



TEKS Grade 7 - S.7.6.E

Factors Affecting Dissolving

- ✓ 7th Grade Science TEKS Curriculum Bundle
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



NEW 2024



Daily Teaching Timeline Included for Each Standard

TEKS – Grade 7

5.7.6 Matter and energy. The student distinguishes between elements and compounds, classifies changes in matter, and understands the properties of solutions. The student is expected to:

5.7.6.A - The student is expected to compare and contrast elements and compounds in terms of atoms and molecules, chemical symbols, and chemical formulas.

Resources:

- Atomic Structure and Notation – Lesson
 - Subatomic Particle Worksheet
- Chemical Symbols, Formulas and Compounds – Lesson
 - Counting Atoms Worksheet
- Atoms, Elements, and Compounds - Digital Interactive Notebook Bundle
 - Chapter 1 - The Particle Theory and Classification of Matter
 - Chapter 2 - Atomic Theory
 - Chapter 3 - Atomic Structure and Notation
 - Chapter 4 - The Periodic Table
 - Chapter 5 - Chemical Symbols, Formulas, and Compounds

TEKS Science Daily Teaching Plan

Lesson Length: 55 minutes

Timeframe: 2 Weeks, 10 Days

Day	Lesson/Activity
Day 1	Atomic Structure and Notation – Lesson Subatomic Particle Worksheet
Day 2	Atomic Structure and Notation – Lesson Subatomic Particle Worksheet
Day 3	Chemical Symbols, Formulas and Compounds – Lesson Counting Atoms Worksheet
Day 4	Chemical Symbols, Formulas and Compounds – Lesson Counting Atoms Worksheet
Day 5	Atoms, Elements, and Compounds - Digital Interactive Notebook Bundle Chapter 1 - The Particle Theory and Classification of Matter
Day 6	Atoms, Elements, and Compounds - Digital Interactive Notebook Bundle Chapter 2 - Atomic Theory
Day 7	Atoms, Elements, and Compounds - Digital Interactive Notebook Bundle Chapter 3 - Atomic Structure and Notation
Day 8	Atoms, Elements, and Compounds - Digital Interactive Notebook Bundle Chapter 4 - The Periodic Table
Day 9	Atoms, Elements, and Compounds - Digital Interactive Notebook Bundle Chapter 5 - Chemical Symbols, Formulas, and Compounds
Day 10	Atoms, Elements, and Compounds - Digital Interactive Notebook Bundle Review and Practice Activities

TEKS – Grade 7

5.7.6 Matter and energy. The student distinguishes between elements and compounds, classifies changes in matter, and understands the properties of solutions. The student is expected to:

5.7.6.B - The student is expected to use the periodic table to identify the atoms and the number of each kind within a chemical formula.

Resources:

- The Periodic Table SE Lesson Bundle
 - The Periodic Table - Google Slides and PowerPoint – Lesson
 - Periodic Table Worksheet
 - Elements and the Periodic Table – Digital Scavenger Hunt Activity
 - The Periodic Table – Task Cards
 - The Periodic Table – Lab Station Activity
- The Elements of the Periodic Table - Word Search and Scramble Activity
- Element Names and Symbols - Periodic Table BINGO
- The Periodic Table - Digital INB

TEKS Science Daily Teaching Plan

Lesson Length: 55 minutes

Timeframe: 1 Week, 5 Days

Day	Lesson/Activity
Day 1	The Periodic Table - Google Slides and PowerPoint – Lesson Periodic Table Worksheet
Day 2	Elements and the Periodic Table – Digital Scavenger Hunt Activity The Periodic Table - Digital INB
Day 3	The Periodic Table – Lab Station Activity
Day 4	The Elements of the Periodic Table - Word Search and Scramble Activity Element Names and Symbols - Periodic Table BINGO
Day 5	Review/Wrap-Up Discussion The Periodic Table – Task Cards

TEKS – Grade 7

5.7.6 Matter and energy. The student distinguishes between elements and compounds, classifies changes in matter, and understands the properties of solutions. The student is expected to:

5.7.6.C - The student is expected to distinguish between physical and chemical changes in matter.

Resources:

- Physical and Chemical Properties and Changes SE Lesson Bundle
 - Physical and Chemical Properties and Changes – Lesson
 - Physical and Chemical Properties and Changes – Digital Scavenger Hunt
 - Physical and Chemical Properties and Changes – Lab Station Activity
- Physical and Chemical Properties and Changes – Science Word Sprint Review Game
- Physical and Chemical Properties and Changes – Word Search and Scramble

TEKS Science Daily Teaching Plan

Lesson Length: 55 minutes

Timeframe: 6 Days

Day	Lesson/Activity
Day 1	Physical and Chemical Properties and Changes – Lesson
Day 2	Physical and Chemical Properties and Changes – Lab Station Activity
Day 3	Physical and Chemical Properties and Changes – Lesson (review) Physical and Chemical Properties and Changes – Science Word Sprint Review Game
Day 4	Physical and Chemical Properties and Changes – Lab Station Activity (reinforcement)
Day 5	Physical and Chemical Properties and Changes – Digital Scavenger Hunt (reinforcement)
Day 6	Physical and Chemical Properties and Changes – Science Word Sprint Review Game (assessment/review) Physical and Chemical Properties and Changes – Word Search and Scramble (assessment/review)

TEKS – Grade 7

5.7.6 Matter and energy. The student distinguishes between elements and compounds, classifies changes in matter, and understands the properties of solutions. The student is expected to:

5.7.6.D - The student is expected to describe aqueous solutions in terms of solute and solvent, concentration, and dilution.

Resources:

- Solutions and Mechanical Mixtures – Lesson
- Solutions and Mechanical Mixtures - Digital Scavenger Hunt
- Solutions and Mechanical Mixtures - Lab Station Activity

TEKS Science Daily Teaching Plan

Lesson Length: 55 minutes

Timeframe: 3 Days

Day	Lesson/Activity
Day 1	Solutions and Mechanical Mixtures – Lesson
Day 2	Solutions and Mechanical Mixtures – Lesson (finish)
Day 3	Solutions and Mechanical Mixtures - Digital Scavenger Hunt
Day 4	Solutions and Mechanical Mixtures - Lab Station Activity

TEKS – Grade 7

5.7.6 Matter and energy. The student distinguishes between elements and compounds, classifies changes in matter, and understands the properties of solutions. The student is expected to:

5.7.6.E - The student is expected to investigate and model how temperature, surface area, and agitation affect the rate of dissolution of solid solutes in aqueous solutions.

Resources:

- Factors Affecting Dissolving – Lesson

TEKS Science Daily Teaching Plan

Lesson Length: 55 minutes

Timeframe: 1 Day

Day	Lesson/Activity
Day 1	Factors Affecting Dissolving– Lesson

Lessons, Activities, Assessments, and more

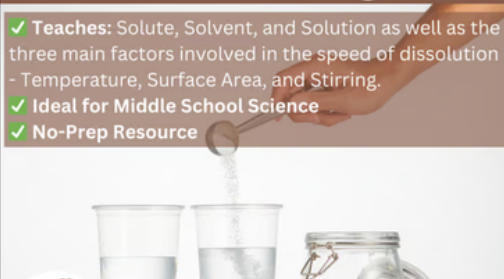
Atomic Structure and Notation

- Atoms and subatomic particles
 - Protons, Neutrons, and Electrons
- Atomic Number
- Atomic Mass
- Isotopes
- Calculating Average Atomic Mass



Factors Affecting Dissolving Lesson - Temperature, Surface Area, & Stirring

- ✓ Teaches: Solute, Solvent, and Solution as well as the three main factors involved in the speed of dissolution - Temperature, Surface Area, and Stirring.
- ✓ Ideal for Middle School Science
- ✓ No-Prep Resource



Device-Based Scavenger Hunt Solutions and Mechanical Mixtures



- Includes
- 5 Unique Locations
 - Online form submission
 - Answer Key

Works on all smartphones, tablets, Chromebooks, and laptops

- 100% Digital
- Simulations
- Quizzes



The Periodic Table Lab Station Activity

PERIODIC TABLE OF THE ELEMENTS

7 Lab Station Activities to get your kids out of their seats and engaged in their learning

Element Names and Symbols



Vanadium	Cobalt	Beryllium	Neon
Silver	Hydrogen	Osmium	Plutonium
Aluminum	Calcium	Palladium	Astatine
Silicon	Mercury	Zinc	Germanium

Chapter 4: The Periodic Table

Digital Interactive Notebook Pages

- 100% Digital and Interactive
- Perfect for your Google Classroom or Microsoft OneDrive

Physical and Chemical Properties Word Search and Scramble

THREE Activities in One!

1. Basic 25-Term Word Search
2. Scrambled Words Word Search
3. Word Scramble and Define Activity

TWF



Science Word Sprint! Physical and Chemical Properties and Changes

Students race against the clock to guess scientific terms without using the forbidden terms.

TWF

Physical Sciences



The Periodic Table Task Cards and Review Activity

Perfect for learning or reviewing The Periodic Table

- 15 Task Cards + Activity
- Elements, Rows, Groups
- Atomic Mass and Families

This Task Card Resource is unique. It can be utilized in a clue gathering, puzzle solving, highly active and engaging activity or as an alternative to worksheet review.

Silicon is a _____ found in group _____

This element is a metal found in period 4, group 1

Who is this Bundle for?

- **Teachers who teach 7th grade science in Texas**
- **Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to prepare their students for the STAAR Science Exam**
- **Teachers who don't have time to develop their own resources or organize what to teach and when**

