

Complete, No-Prep, 7th & 8th Grade Georgia Science Curriculum



SCROLL
to take a look inside!

Georgia Standards of Excellence 7th & 8th Grade Science Curriculum

- ✓ Complete GSE 7th & 8th Grade Science Curriculum
- ✓ Engaging Digital & Hands-On Activities
- ✓ Time-Saving Teacher Resources
- ✓ Massive Bundle Discount
– Get \$1300 worth of resources for 85% off



MY GSE CURRICULUM SOLVES...

- ★ Planning fatigue
 - ★ Student engagement slumps
 - ★ Differentiation challenges
 - ★ The large scope and sequence of 7th & 8th Grade Science
- “★★★★★ Extremely satisfied - My students enjoyed the activities. they were engaging and interactive.”

Topics Covered

Grade 7

- Biodiversity (1)
- Classification (1a, 1b)
- Cell Structure and Function (2a, 2b)
- Cellular Organization (2b)
- Organ Systems (2b, 2c)
- Heredity and Genetics (3a, 3b)
- Sexual and Asexual Reproduction (3b)
- Selective Breeding (3c, 5)
- Ecosystems (4a, 4b, 4c, 4d)
- Cycling of Matter and Energy (4b)
- Biotic and Abiotic Influences (4c)
- Climate Change (4b, 4c)
- Earth's Biomes (4d)
- Biological Evolution (5a, 5b)
- Natural Selection (5a, 5b)
- Fossil Record (5c)



Grade 8

- Classification of Matter (1a)
- States of Matter (1b)
- Properties of Matter (1c)
- Changes in Matter (1d)
- Atoms and Molecules (1e)
- Conservation of Matter (1f)
- Chemical Reactions (1f)
- Kinetic and Potential Energy (2a, 2b)
- Energy Transformation (2b, 2c)
- Energy Transfer (2d)
- Motion (3)
- Force (3b, 3c)
- Electromagnetic and Mechanical Waves (4)
- Electromagnetic Spectrum (4b, 4c)
- Properties and Behavior of Waves (4d, 4e, 4f)
- Lenses (4g)
- Everyday Forces (5)
- Charges (5b)



Complete Lessons and Activities

Teacher and Student Versions of the presentation

Videos embedded directly into the slides

Google Access

Google Classroom Ready One-Click Google Slides Access

8. Sound Energy

Videos embedded directly into the slides. One-click access

Student and Teacher versions of the presentations

Solutions and Mechanical Mixtures Lab Station Activity

Speed Quizzing

Chemistry Introduction Unit

Human Impact on Ecosystems Inquiry Lab Experiment

Human Digestion and the Digestive System

Invasive Species Scientific Reading Comprehension Article and Extension Activity - Grades 5-7

Photosynthesis and Cellular Respiration Lab Station Activity

Device-Based Scavenger Hunt Climate Change

Newton's 3 Laws of Motion Lab Station Activity

Device-Based Scavenger Hunt Refraction



BONUS - ENTIRE STORE ACCESS!

As a special bonus for purchasing, you will get access to my ENTIRE STORE for 6 months. That means unlimited access to all my

- ✓ Lessons**
- ✓ Lab Station Activities**
- ✓ Scavenger Hunts**
- ✓ Review Activities**
- ✓ Assessments and so much more!**

TWIF



Classroom Fit Guarantee

I want you to feel confident when you purchase from Teach With Fergy. If a resource is not the right fit for your students, simply contact me and I'll provide double your purchase amount in store credit toward another resource in my store.





Complete Curriculum Covering ALL 10 GSE 7th and 8th Grade Units over 1 Year



Daily Teaching Schedule for EACH UNIT



Teacher and Student Versions of each Lesson and Videos Embedded into your Presentations



Many Different Activity Types

Your Curriculum

Teaching Schedule

The 8th Grade Georgia Curriculum includes the following standards.

Each standard includes a **DAY-BY-DAY TEACHING SCHEDULE** and standard breakdown.

- **S8P1: Matter and Chemical Reactions**
- **S8P2: Energy Conservation & Transformation**
- **S8P3: Force and Motion**
- **S8P4: Waves**
- **S8P5: Forces**

★★★★★ Extremely satisfied - This was great for finding standards and meeting the criteria that my students needed to show mastery.

Teaching Schedule

The 7th Grade Georgia Curriculum includes the following standards.

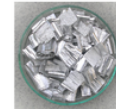
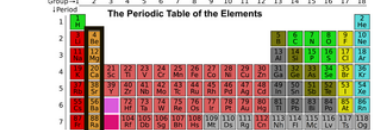
Each standard includes a **DAY-BY-DAY TEACHING SCHEDULE** and standard breakdown.

- **S7L1: Biodiversity & Classification**
- **S7L2: Cells and Body Systems**
- **S7L3: Genetics and Reproduction**
- **S7L4: Ecology**
- **S7L5: Evolution**

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Alkaline Earth Metals

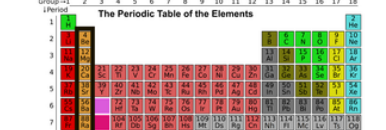
- They are very reactive but not as reactive as Alkali Metals
- They have two valence electrons
- Alkaline earth metals include magnesium and calcium, among others



Magnesium metal

Alkaline Earth Metals

- They are very reactive but not as reactive as Alkali Metals
- _____
- Alkaline earth metals include magnesium and calcium, among others

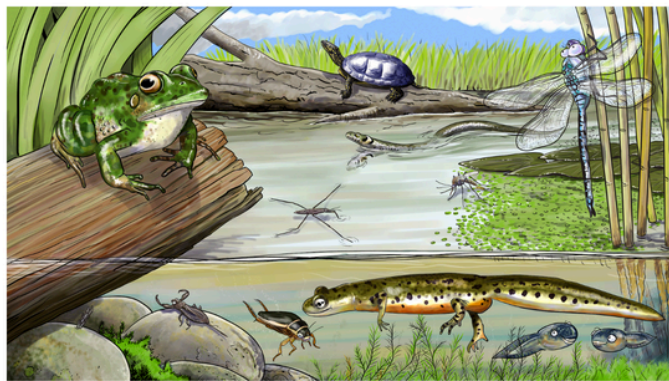


Magnesium metal

Engaging Lessons

Ecosystems

An ecosystem is a term given to the community and its interactions with the abiotic (never-living) environment.



Google Access

Thank you for your purchase. Clicking the link button below will automatically create a copy of the Google resources and place them into your Google Drive. You'll find the folder inside the 'Shared with me' section on the left side of your Drive.

Important: Before you click, make sure you're signed in to the Google account you'd like the resources placed into. If the resources are added to the wrong account, simply sign out and then into the correct one and repeat the process.

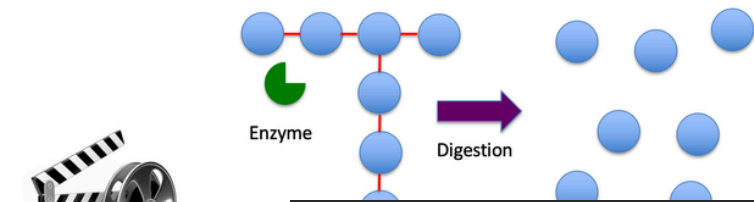
Click here to place a copy of your resources into your Google account

TWF

Google Classroom Ready
One-Click Google Slides Access

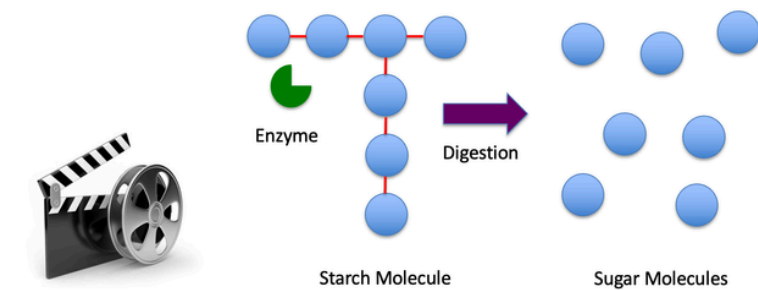
Digestive Enzymes

Digestive Enzymes help break food into smaller pieces so that it is easier to digest



Digestive Enzymes

Digestive Enzymes help break food



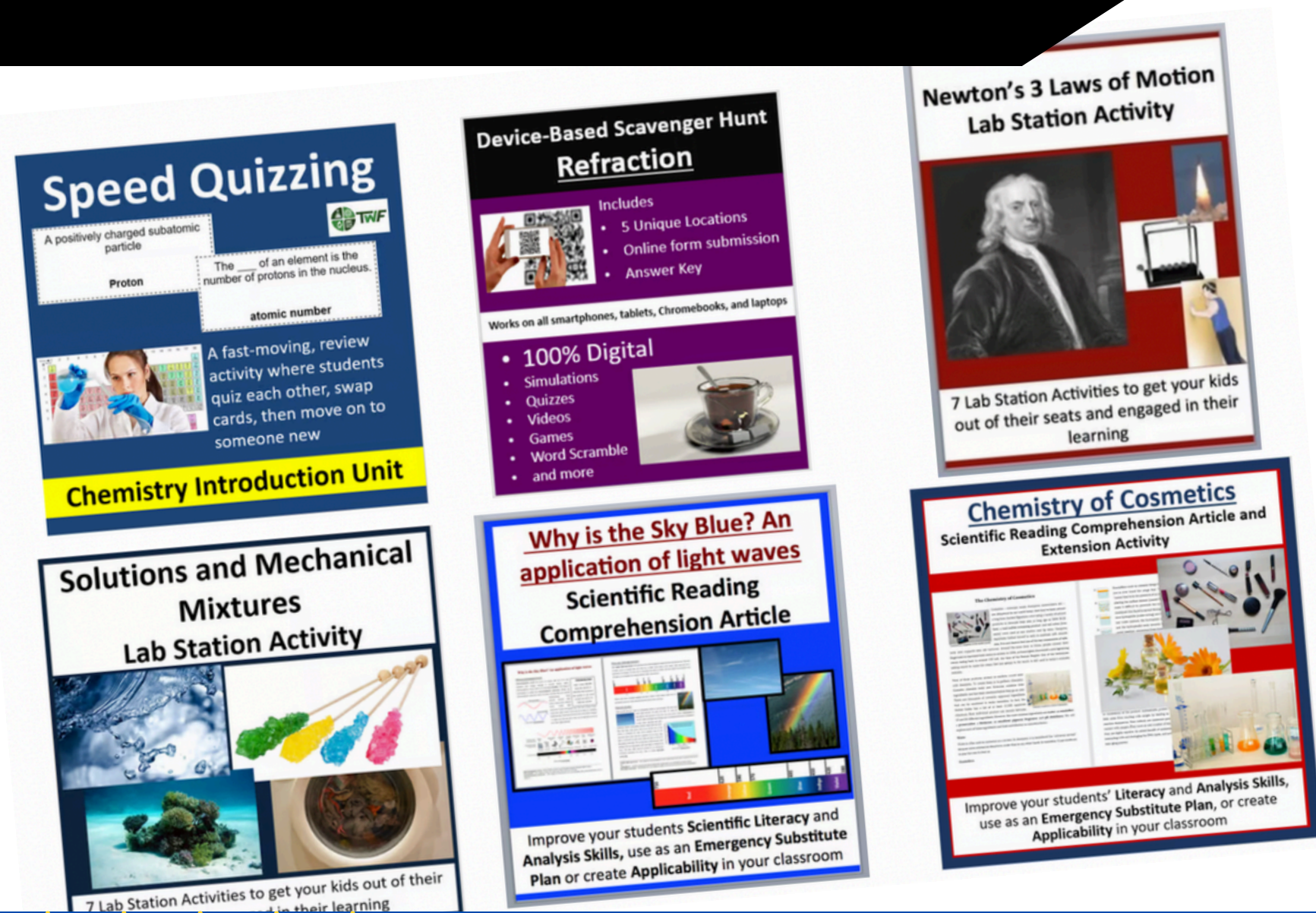
Videos embedded directly
into your presentations.

Teacher and Student
versions of each lesson.

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Engaging Activities

- ✓ Lab Station Activities
- ✓ Digital Scavenger Hunts
- ✓ Projects
- ✓ Reading Comprehensions
- ✓ Task Cards and Review
- ✓ Labs and Worksheets



★★★★★ Extremely satisfied - This was great for my state standards and meeting the criteria that my students needed to show mastery.

Daily Teaching Schedule

Day-by-day teaching schedule so you'll know what to teach and when each day and an Overview of Each Standard.

**Georgia Performance Standards
Eighth Grade Science Curriculum Package
S8P1**

This package contains 30 products, including lessons, lab stations, scavenger hunts, reading comprehension activities, digital interactive notebooks, and more. These resources cover the properties of matter, chemical reactions and align with Georgia's Eighth Grade Science Performance Standards.

Day	S8P1	Lesson / Activity	Bell ringer prompt
1	b	Matter Mini Unit — Matter Lesson	"Draw air at the particle level."
2	b	Liquids and Gases 5E Lesson Bundle	"What changes when a liquid boils: spacing, motion, or size?"
3	b	Liquids and Gases 5E (cont.)	"Predict: what happens to particle motion when a gas cools?"
4	b, c	Matter Mini Unit — Mass vs. Weight Lesson	"Why do astronauts 'weigh' less but have the same mass?"
5	b, c	Matter Mini Unit — Density Lesson	"Two equal-size cubes: one sinks, one floats—why?"
6	c	Mass, Volume, Density & Buoyancy 5E	"If you add salt to water, what happens to density?"
7	c	Mass, Volume, Density & Buoyancy 5E (cont.)	"How could you make a clay boat float?"
8	c, d	Physical & Chemical Properties and Changes 5E	"Property or change: ice melting?"
9	c, d	Physical & Chemical Properties and Changes 5E (cont.)	"How could you prove a change was chemical?"
10	c, d	Physical & Chemical Properties and Changes 5E (cont.)	"Why is density a physical property?"
11	a	Pure Substances & Mixtures 5E	"Is air a pure substance or a mixture? Defend."
12	a	Pure Substances & Mixtures 5E (cont.)	"What kind of mixture is a chocolate chip cookie?"
13	a	Solutions & Mechanical Mixtures 5E	"How can you speed up dissolving?"
14	a	Solutions & Mechanical Mixtures 5E (cont.)	"Plan: separate sand + salt + water."
15	b, c, e	Matter, Chemical Trends, & Bonding Speed Quizzing	"One misconception about states/properties/trends."
16	e	Atoms & the Atomic Theory 5E	"What evidence convinced scientists atoms exist?"
17	e	Atoms & the Atomic Theory 5E (cont.)	"Where are protons, neutrons, electrons?"
18	e	Atoms & the Atomic Theory 5E (cont.)	"What makes an isotope different?"
19	e	Atomic Structure & Notation Lesson (1e)	"How do you count the number of protons in an atom?"
20	e	Atomic Theory, Structure, and Isotopes Lab Station Activity (1e)	"Which model is better? Why?"

21	e	Atoms & the Periodic Table Middle School Lesson	"How is the periodic table organized?"
22	e	The Periodic Table 5E Lesson Bundle	"What repeats as you move across a period?"
23	e	The Periodic Table 5E (cont.)	"Why do group members behave similarly?"
24	e (application)	The Periodic Table Activities — Webquest & Element Assignment; Task Cards	"Pick an element you'd invite to a party—why?"
25	e, f	Chemical Symbols, Formulas, & Compounds — Middle School Lesson (or the full Lesson as an alternate)	"What does the subscript '2' mean in O ₂ vs. H ₂ O?"
26	e	Atoms, Elements, & Compounds Digital Interactive Notebook	"Give a microscopic example of an element vs. a compound."
27	f	Introduction to Chemical Reactions 5E Lesson Bundle	"What evidence tells you a reaction occurred?"
28	f	Types of Chemical Reactions & Balancing 5E Lesson Bundle	"How do we show matter is conserved in an equation?"
29	f	Naming Chemical Compounds & Chemical Reactions Digital INB	"Name vs. formula—what trips you up?"
30	e, f (review)	Atoms, Compound Naming, & Chemical Reactions Speed Quizzing + Atoms, Compound Naming, & Chemical Reactions Task Cards	"One goal + one strategy for the test."

The Standards:
SBP1. Obtain, evaluate, and communicate information about the structure and properties of matter.

a. Develop and use a model to compare and contrast pure substances (elements and compounds) and mixtures.
(Clarification statement: Include heterogeneous and homogeneous mixtures. Types of bonds and compounds will be addressed in high school physical science).

b. Develop and use models to describe the movement of particles in solids, liquids, gases, and plasma states when thermal energy is added or removed.

c. Plan and carry out investigations to compare and contrast chemical (i.e., reactivity, combustibility) and physical (i.e., density, melting point, boiling point) properties of matter.

d. Construct an argument based on scientific evidence to support the claim that when a change in a substance occurs, it is a chemical change.
(Clarification statement: Evidence can include color change, formation of a precipitate, change in temperature, gas formation, etc.)

e. Develop models (e.g., atomic-level models) by analyzing patterns within the periodic table and the characteristics of atoms (protons, neutrons, electrons).

f. Construct an explanation based on evidence to support the claim that matter is conserved in a chemical reaction including the resulting difference in mass.
(Clarification statement: Evidence can include mass measurements before and after a reaction, etc.)

Topics Covered:

- Classification of Matter (1a)
- States of Matter (1b)
- Properties of Matter (1c)
- Changes in Matter (1d)
- Atoms and Molecules (1e)
- Conservation of Matter (1f)
- Chemical Reactions (1f)

This Package Includes:

- Atomic Structure and Notation Lesson (1e)
- Atomic Theory, Structure, and Isotopes Lab Station Activity (1e)
- Atoms and the Atomic Theory 5E Lesson Bundle (1e)
- Atoms and the Periodic Table Middle School Lesson (1e)
- Atoms, Compound Naming, and Chemical Reactions Speed Quizzing (1e, 1f)
- Atoms, Compound Naming, and Chemical Reactions Task Cards (1e, 1f)
- Atoms, Elements, and Compounds Digital Interactive Notebook (1e)
- Atoms, Elements, and Compounds Speed Quizzing (1e)
- Chemical Symbols, Formulas, and Compounds Lesson (1e, 1f)
- Chemical Symbols, Formulas, and Compounds Middle School Lesson (1e, 1f)
- Chemistry Introduction Bell Ringers, Class Warm-ups, and Exit Tickets (1)
- Chemistry of Cosmetics Grade 8 and Up Reading (1f)
- Density and Buoyancy 5E Lesson Bundle (1c)
- Introduction to Chemical Reactions 5E Lesson Bundle (1f)
- Liquids and Gases 5E Lesson Bundle (1b)
- Mass, Volume, Density, and Buoyancy 5E Lesson Bundle (1c)
- Matter Mini Unit (1b, 1c)
 - Matter Lesson (1b)
 - Density Lesson (1b, 1c)
 - Mass vs. Weight Lesson (1b, 1c)
- Matter, Chemical Trends, and Bonding Speed Quizzing (1b, 1c, 1e)
- Naming Chemical Compounds and Chemical Reactions Digital Interactive Notebook (1f)
- Particle Theory 5E Lesson Bundle (1e)
- Physical and Chemical Properties and Changes 5E Lesson Bundle (1c, 1d)
- Pure Substances and Mixtures 5E Lesson Bundle (1a)

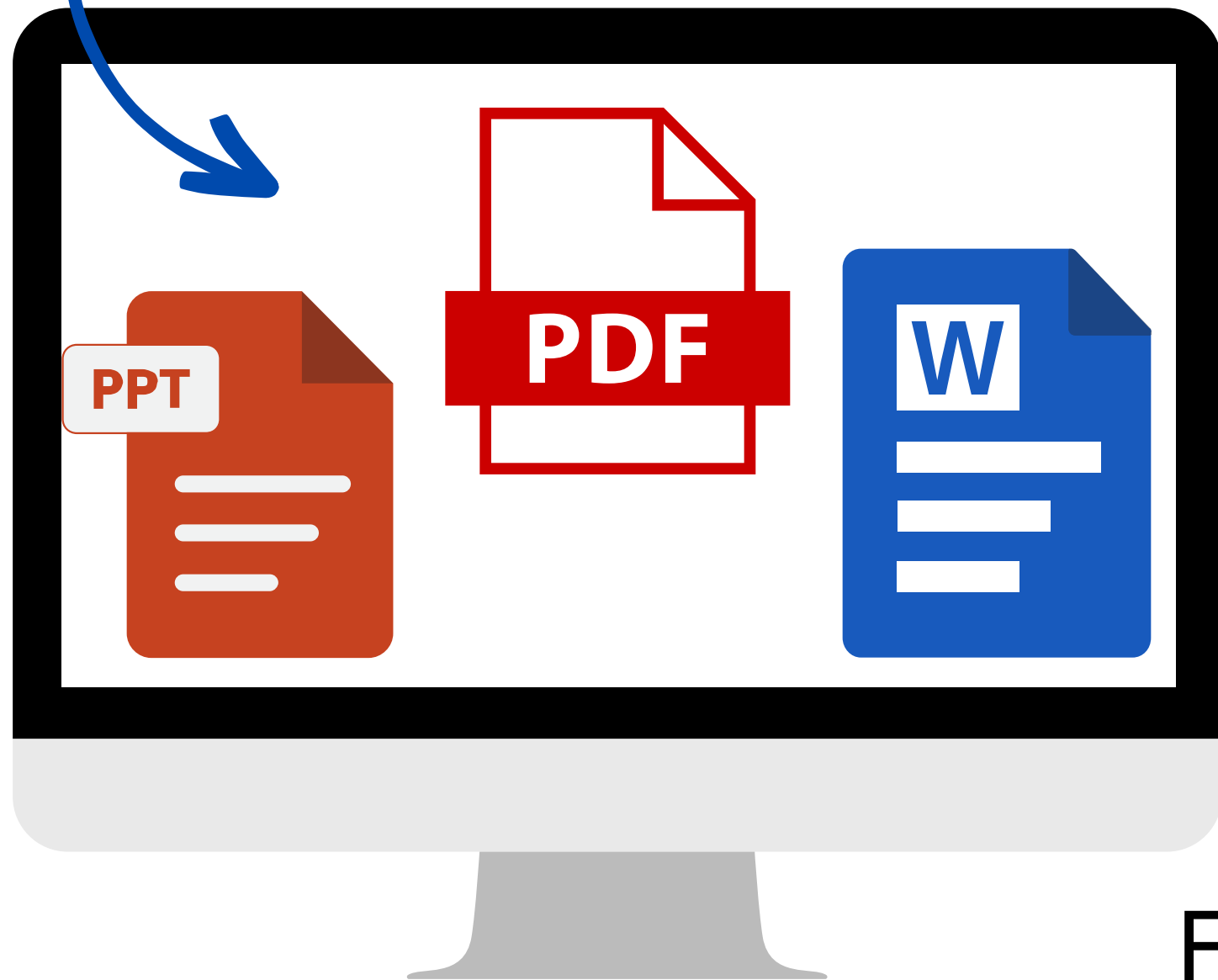
TEACHERS SAID...



Extremely satisfied - This was great for my state standards and meeting the criteria that my students needed to show mastery.

GSE 7th and 8th Grade Science Curriculum

Office, Google,
and PDF Versions



Interactive and
engaging



Fully Editable

Station 7

Learn from the expert – Using a classroom computer or your own device, watch the following video clip and answer the associated questions. You may stop, rewind and restart as often as you like during the time frame.

Upload everything
directly to your
Google Classroom
with ONE click.

HAPPY TEACHERS SAID...

Georgia Performance Standards
Seventh Grade Science Curriculum Package
S7L2

This package contains over 60 products, including lessons, lab stations, scavenger hunts, reading comprehension activities, digital interactive notebooks, and more. These resources cover cells and life systems and align with Georgia's Seventh Grade Science Performance Standards.

STL2 focus	Resource (use in this order)	Why this placement / What to emphasize	Est. days
2a, 2b	Cells and the Cell Theory SE Lesson Bundle	Launch unit: cell theory, prokaryote/eukaryote big picture; establish claim-evidence language.	3-5
2a, 2b	The Cell Theory Middle School Lesson (or) The Cell Theory Lesson	Short reinforcement/notes; pick one to avoid duplication.	0.5-1
2a	Microscope Activities	Observational skills; connect evidence for cell theory to microscope images.	1
2a, 2b	Cell Structure Lesson	Organelles + structure--function; anchor vocab for INB work.	1
2a, 2b	Animal & Plant Cells Middle School Lesson	Compare/contrast plant vs. animal cells; chloroplast/vacuole/cell wall.	1
2a, 2b	Cells & Organelles Digital INB: The Cell Theory; Animal Cells; Plant Cells	Interactive consolidation; labeled diagrams/screenshots as evidence.	1
2a, 2b	Cells Teacher-Led Inquiry & Discussion Activity	Socratic check for misconceptions; quick.	0.5
2a, 2b	Cells Graphics		
2a, 2b	Cell Membrane Introduction		
2a, 2b	Cell Membrane SE Lesson Bundle		
2a, 2b	Cell Membrane Scavenger Hunt		
2a, 2b	Mitosis & the Cell Cycle Lesson Bundle		

Station 5

Applicability Reading – Read the following information article and answer the associated questions found below in the *Applicability Reading* section of your passport.

Station Passport - Human Body Systems

Station #1 - Stand-by, Write this - Draw your diagram left to right.

Station #2 - Fast Reader

Station #3 - Write This Way

Station #4 - Apply Yourself!

Ecosystems

An ecosystem is a term given to the **community and its interactions with the abiotic (never-living) environment.**



★★★★★ Extremely satisfied - This resource was such a great find! It's well-designed, easy to use, and saved me so much prep time. My students were engaged and the materials aligned perfectly with my lesson goals. I really appreciate the quality and thought that went into creating this—highly recommend to other teachers!

★★★★★ Extremely satisfied - Great resource to complement my curriculum.

★★★★★ Extremely satisfied - My students enjoyed the activities. they were engaging and interactive.

7th Grade GSE Curriculum

✔ **Full-Year Georgia 7th Grade Science Curriculum: Covers 5 comprehensive units including:** S7L1: Biodiversity & Classification, S7L2: Cells and Body Systems, S7L3: Genetics and Reproduction, S7L4: Ecology, & S7L5: Evolution.

✔ **Daily Teaching Schedule for EACH UNIT.**

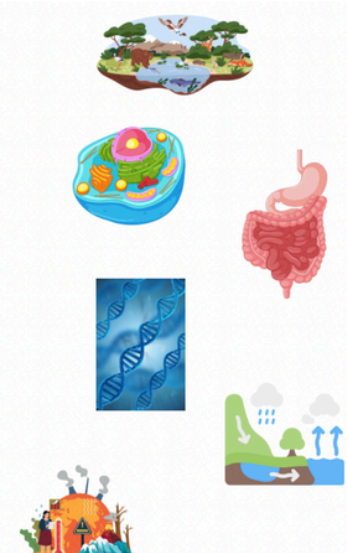
✔ **No-Prep Lessons and Assessments:** Includes presentations, activities, labs, projects, and auto-graded exit tickets.

✔ **Interactive and Differentiated Resources:** Lab Station Activities, Digital Scavenger Hunts, Comprehension Readings, and so much more!

✔ **Teacher and Student Versions Included:** Keep students focused with fill-in-the-blank guided notes in Word, pdf, & Docs.

Topics Covered

- Biodiversity (1)
- Classification (1a, 1b)
- Cell Structure and Function (2a, 2b)
- Cellular Organization (2b)
- Organ Systems (2b, 2c)
- Heredity and Genetics (3a, 3b)
- Sexual and Asexual Reproduction (3b)
- Selective Breeding (3c, 5)
- Ecosystems (4a, 4b, 4c, 4d)
- Cycling of Matter and Energy (4b)
- Biotic and Abiotic Influences (4c)
- Climate Change (4b, 4c)
- Earth's Biomes (4d)
- Biological Evolution (5a, 5b)
- Natural Selection (5a, 5b)
- Fossil Record (5c)



Teaching Schedule

Georgia Performance Standards
Seventh Grade Science Curriculum Package
S7L2

This package contains over 400 products, including lessons, lab stations, scavenger hunts, reading comprehension activities, digital interactive worksheets, and more. These resources cover cells and body systems and align with Georgia's Seventh Grade Science Performance Standards.

Seq	S7L2 Item	Resources (see table below)	Why this placement? What to emphasize	Est. days
1	1a, 1b	Cells and the Cell Theory SE Lesson Bundle	Lesson sets and lessons; prokaryotes/eukaryotes big picture; establish common evidence linkages; short enrichment lessons; pick one to read carefully.	3-5
2	2a, 2b	The Cell Theory Middle School Lesson (or) The Cell Theory Lesson	Observational skills; connect evidence for cell theory to microscope images.	1
3	2a	Microscope Activities	Organisms—drawing, pictures, words for (NB) work.	1
4	2a, 2b	Cell Structure Lesson	Compare—drawings, pictures, words for (NB) work.	1
5	2a, 2b	Animal & Plant Cells Middle School Lesson	Compare—drawings, pictures, words for (NB) work.	1
6	2a, 2b	Cells & Organelles Digital VNR	Interactive content; labeled diagrams; worksheets; exit tickets.	1
7	2a, 2b	Cells Teacher-Led Inquiry & Assessment Activities	Interactive; check for understanding; exit tickets.	0.5

The 7th Grade Georgia Curriculum includes the following standards.

Each standard includes a **DAY-BY-DAY TEACHING SCHEDULE** and standard breakdown.

- **S7L1: Biodiversity & Classification**
- **S7L2: Cells and Body Systems**
- **S7L3: Genetics and Reproduction**
- **S7L4: Ecology**
- **S7L5: Evolution**

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“★★★★★ Extremely satisfied - This resource was such a great find! It's well-designed, easy to use, and saved me so much prep time.”

8th Grade GSE Curriculum

✓ **Full-Year Georgia 8th Grade Science Curriculum: Covers 5 comprehensive units including:** S8P1: Matter and Chemical Reactions, S8P2: Energy Conservation & Transformation, S8P3: Force and Motion, S8P4: Waves, & S8P5: Forces.

✓ **Daily Teaching Schedule for EACH UNIT.**

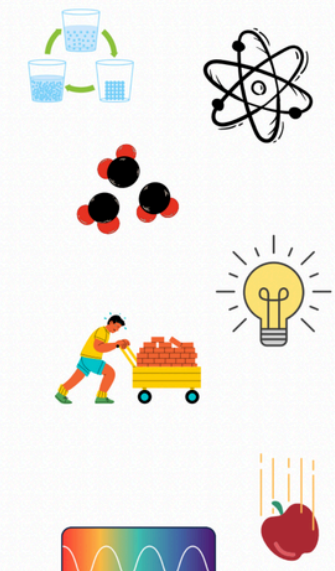
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Topics Covered

- Classification of Matter (1a)
- States of Matter (1b)
- Properties of Matter (1c)
- Changes in Matter (1d)
- Atoms and Molecules (1e)
- Conservation of Matter (1f)
- Chemical Reactions (1f)
- Kinetic and Potential Energy (2a, 2b)
- Energy Transformation (2b, 2c)
- Energy Transfer (2d)
- Motion (3)
- Force (3b, 3c)
- Electromagnetic and Mechanical Waves (4)
- Electromagnetic Spectrum (4b, 4c)
- Properties and Behavior of Waves (4d, 4e, 4f)
- Lenses (4g)
- Everyday Forces (5)
- Charges (5b)



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Teaching Schedule

The 8th Grade Georgia Curriculum includes the following standards.

Each standard includes a **DAY-BY-DAY TEACHING SCHEDULE** and standard breakdown.

- **S8P1: Matter and Chemical Reactions**
- **S8P2: Energy Conservation & Transformation**
- **S8P3: Force and Motion**
- **S8P4: Waves**
- **S8P5: Forces**

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Georgia Performance Standards 8th Grade Science Curriculum Package			
S8P1			
Unit	Lesson	Activity	Exit Ticket
1	1	States of Matter Lesson	States of Matter Exit Ticket
2	2	Properties of Matter Lesson	Properties of Matter Exit Ticket
3	3	Changes in Matter Lesson	Changes in Matter Exit Ticket
4	4	Atoms and Molecules Lesson	Atoms and Molecules Exit Ticket
5	5	Conservation of Matter Lesson	Conservation of Matter Exit Ticket
6	6	Chemical Reactions Lesson	Chemical Reactions Exit Ticket
7	7	Kinetic and Potential Energy Lesson	Kinetic and Potential Energy Exit Ticket
8	8	Energy Transformation Lesson	Energy Transformation Exit Ticket
9	9	Energy Transfer Lesson	Energy Transfer Exit Ticket
10	10	Motion Lesson	Motion Exit Ticket
11	11	Force Lesson	Force Exit Ticket
12	12	Electromagnetic and Mechanical Waves Lesson	Electromagnetic and Mechanical Waves Exit Ticket
13	13	Electromagnetic Spectrum Lesson	Electromagnetic Spectrum Exit Ticket
14	14	Properties and Behavior of Waves Lesson	Properties and Behavior of Waves Exit Ticket
15	15	Lenses Lesson	Lenses Exit Ticket
16	16	Everyday Forces Lesson	Everyday Forces Exit Ticket
17	17	Charges Lesson	Charges Exit Ticket

Thanks
**for your interest
in this resource!**

I am a real person and if
you have any questions,
suggestions, or concerns,
please reach out.



devon@teachwithfergy.com

TWF

Teach With Fergy

*Let's
Connect!*

